

**CONTRACT RESULTING FROM INVITATION TO BID NUMBER 10090201-25-L, JANITORIAL
MAINTENANCE SERVICE AT CIVIC CENTER PUBLIC RESTROOMS AND CHILDREN'S PARK PUBLIC
RESTROOMS**

This Contract (Contract) is entered into by and between the City of San Diego, a municipal corporation (City), and the successful bidder to Invitation to Bid (ITB) #10090201-25-L, Janitorial Maintenance Service at Civic Center Public Restrooms and Children's Park Public Restrooms (Contractor).

RECITALS

On or about August 21, 2024, City issued an ITB to prospective bidders on services to be provided to the City. The ITB and any addenda and exhibits thereto are collectively referred to as the "ITB." The ITB is attached hereto as Exhibit A.

City has determined that Contractor has the expertise, experience, and personnel necessary to provide the services.

City wishes to retain Contractor to provide janitorial maintenance service at Civic Center Public Restrooms and Children's Park Public Restrooms as further described in the Scope of Work, attached hereto as Exhibit B.

For good and valuable consideration, the sufficiency of which is acknowledged, City and Contractor agree as follows:

**ARTICLE I
CONTRACTOR SERVICES**

1.1 Scope of Work. Contractor shall provide the services to City as described in Exhibit B which is incorporated herein by reference. Contractor will submit all required forms and information described in Exhibit A to the Purchasing Agent before providing the services.

1.2 General Contract Terms and Provisions. This Contract incorporates by reference the General Contract Terms and Provisions, attached hereto as Exhibit C.

**ARTICLE II
DURATION OF CONTRACT**

2.1 Term. This Contract shall be for a period of one year beginning on the Effective Date. City may, in its sole discretion, extend this Contract for four additional one-year period(s). Unless otherwise terminated, this Contract shall be effective until completion of the Scope of Services. The term of this Contract shall not exceed five years unless approved by the City Council by ordinance.

2.2 Effective Date. This Contract shall be effective on the date it is executed by the last Party to sign the Contract and approved by the City Attorney in accordance with San Diego Charter Section 40.

**ARTICLE III
COMPENSATION**

3.1 Amount of Compensation. City shall pay Contractor for performance of all Services rendered in accordance with this Contract in an amount not to exceed \$3,000,000.

**ARTICLE IV
WAGE REQUIREMENTS**

4.1 By submitting a response to this ITB, Contractor certifies that he or she is aware of, and agrees to comply with, the wage provisions described in Exhibit D, Wage Requirements, which is incorporated herein by reference, before commencing Services.

**ARTICLE V
CONTRACT DOCUMENTS**

5.1 Contract Documents. The following documents comprise the Contract between the City and Contractor: this Contract and all exhibits thereto; the Notice to Proceed; and the City's written acceptance of exceptions or clarifications to the ITB, if any.

5.2 Contract Interpretation. The Contract Documents completely describe the services to be provided. Contractor will provide any services that may reasonably be inferred from the Contract Documents or from prevailing custom or trade usage as being required to produce the intended result whether or not specifically called for or identified in the Contract Documents. Words or phrases which have a well-known technical or construction industry or trade meaning and are used to describe services will be interpreted in accordance with that meaning unless a definition has been provided in the Contract Documents.

5.3 Precedence. In resolving conflicts resulting from errors or discrepancies in any of the Contract Documents, the Parties will use the order of precedence as set forth below. The document highest in the order of precedence controls. Inconsistent provisions in the Contract Documents that address the same subject, are consistent, and have different degrees of specificity, are not in conflict and the more specific language will control. The order of precedence from highest to lowest is as follows:

- 1st The Contract
- 2nd The ITB and the City's written acceptance of any exceptions or clarifications to the ITB, if any
- 3rd Contractor's Pricing

5.4 Counterparts. This Contract may be executed in counterparts which, when taken together, shall constitute a single signed original as though all Parties had executed the same page.

5.5 **Public Agencies.** Other public agencies, as defined by California Government Code section 6500, may choose to use the terms of this Contract, subject to Contractor's acceptance. The City is not liable or responsible for any obligations related to a subsequent Contract between Contractor and another public agency.

IN WITNESS WHEREOF, this Contract is executed by City and Contractor acting by and through their authorized officers.

CONTRACTOR

CITY OF SAN DIEGO
A Municipal Corporation

Clean Companies CA

Bidder

550 W B Street

Street Address

San Diego

City

8027661919

Telephone No.

jmathis@cleancoca.com

E-Mail

BY:



Print Name: Claudia Abarca

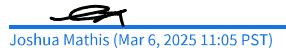
Director

Purchasing & Contracting Department

Mar 7, 2025

Date Signed

BY:


Joshua Mathis (Mar 6, 2025 11:05 PST)

Signature of Bidder's Authorized Representative

Joshua Mathis

Print Name

President

Title

Mar 6, 2025

Date

Approved as to form this 7th day of

March, 2025.

HEATHER FERBERT, City Attorney

BY: Nicole Pedone
Nicole Pedone (Mar 7, 2025 10:42 PST)

Deputy City Attorney







ITB 10090201-25-L_ Signature page, Clean Co CA_Vendor signature

Final Audit Report

2025-03-06

Created:	2025-03-05
By:	Lisa Hoffmann (lhoffmann@sandiego.gov)
Status:	Signed
Transaction ID:	CBJCHBCAABAAzr0b0CWWhLCdW3eLc1kcCL6A9uPISlww-

"ITB 10090201-25-L_ Signature page, Clean Co CA_Vendor signature" History

-  Document created by Lisa Hoffmann (lhoffmann@sandiego.gov)
2025-03-05 - 8:11:24 PM GMT- IP address: 156.29.5.177
-  Document emailed to jmathis@cleancoca.com for signature
2025-03-05 - 11:06:17 PM GMT
-  Email viewed by jmathis@cleancoca.com
2025-03-06 - 7:01:51 PM GMT- IP address: 66.249.84.97
-  Signer jmathis@cleancoca.com entered name at signing as Joshua Mathis
2025-03-06 - 7:05:39 PM GMT- IP address: 207.213.21.94
-  Document e-signed by Joshua Mathis (jmathis@cleancoca.com)
Signature Date: 2025-03-06 - 7:05:41 PM GMT - Time Source: server- IP address: 207.213.21.94
-  Agreement completed.
2025-03-06 - 7:05:41 PM GMT

CITY OF SAN DIEGO

PURCHASING & CONTRACTING DEPARTMENT
1200 Third Avenue, Suite 200
San Diego, CA 92101-4195
Fax: (619) 236-5904

ADDENDUM A

Invitation to Bid (ITB) No. 10090201-25-L

REVISED Closing Date: September 13, 2024
@ 3:00 p.m. PT

ITB to Provide Janitorial Maintenance Services at the Civic Center Public Restrooms and Children's Park Public Restrooms

The following changes are hereby made effective as though they were originally shown and/or written:

1. **The RFP closing date has been changed from September 11, 2024, to September 13, 2024 @ 2:00 p.m.**
2. Delete Request for Proposal Cover Sheet and replace with the attached Addendum A Request for Proposal Cover Sheet.
3. Delete Request for Proposal Contract Signature Page 3 and replace with the attached Addendum A Request for Proposal Contract Signature Page 3.
4. Delete Request for Proposal Exhibit B, page 1 and replace with the Addendum A, Request for Proposal Exhibit B, page 1. (Exhibit B, page 1, section C has been corrected. Correction is in bold.)
5. Add a two (2) page document entitled, "Questions, Comments and Answers". (Note: This is for informational purposes only and is not part of any resulting contract.)

CITY OF SAN DIEGO PURCHASING & CONTRACTING DEPARTMENT



Lisa Hoffmann
Senior Procurement Contracting Officer
(619) 236-6096

September 6, 2024



ADDENDUM A

Invitation to Bid (ITB) to provide Janitorial Maintenance Services at the Civic Center Public Restrooms and Children's Park Public Restrooms

Solicitation Number:	10090201-25-L
Solicitation Issue Date:	August 21, 2024
Pre-Bid Conference:	No Pre-Bid Conference will be held.
Questions and Comments Due:	August 29, 2024 @ 12:00 p.m.
Bid Due Date and Time ("Closing Date"):	September 13, 2024 @ 3:00 p.m.
Contract Terms:	One (1) year from Effective Date, with four (4), one (1) year options to renew, as defined in Article I, Section 1.2 of the City's General Contract Terms and Provisions.
City Contact:	Lisa Hoffmann, Senior Procurement Contracting Officer Lhoffmann@sandiego.gov (619) 236-6096
Submissions:	Bidder is required to provide one (1) original hard copy and one (1) electronic copy (e.g., thumb drive or CD), or an electronic bid via PlanetBids, of their response as described herein.

The City may require Bidders to submit original hard copies prior to execution of the contract if the PlanetBids electronic submission does not include an authorized electronic signature page (e.g., Adobe Sign, DocuSign).

Completed and signed ITB signature page is required, with most recent addendum listed as acknowledgement of all addenda issued.

5.5 Public Agencies. Other public agencies, as defined by California Government Code section 6500, may choose to use the terms of this Contract, subject to Contractor's acceptance. The City is not liable or responsible for any obligations related to a subsequent Contract between Contractor and another public agency.

IN WITNESS WHEREOF, this Contract is executed by City and Contractor acting by and through their authorized officers.

CONTRACTOR

CITY OF SAN DIEGO
A Municipal Corporation

Clean Companies CA
Bidder

BY:

3629 47th Street
Street Address

Print Name: _____
Director
Purchasing & Contracting Department

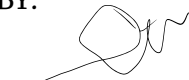
San Diego
City

(802) 766-1919
Telephone No.

Date Signed

Support@cleancoca.com
E-Mail

BY:



Signature of Bidder's Authorized
Representative

Joshua Mathis
Print Name

President
Title

22 November 24
Date

Approved as to form this ____ day of

_____, 20____.
MARA W. ELLIOTT, City Attorney

BY: _____
Deputy City Attorney

**ITB 10090201-25-L, Provide Janitorial Maintenance Services at the Civic Center
Public Restrooms and Children's Park Public Restrooms
Questions and Answers**

Question 1: Current Contractor? Current Contract Amount? If no current contractor budgeted amount for this solicitation/contract term?

Response: The current Contractor is Excellence Professional Cleaning, Inc. A Public Records Act request may be made using the following link: <https://sandiego.nextrequest.com> for information regarding current contract, RFP 10089549-20-L, Janitorial Maintenance Service at Civic Center Public Restrooms. Children's Park Restrooms was added to RFP 10089549-20-L via a Second Amendment.

Question 2: Who is current vendor?

Response: Excellence Professional Cleaning, Inc. is the current vendor for both Civic Center Public Restrooms and Children's Park Public Restrooms.

Question 3: What is current price of vendor (base plus all options)?

Response: A Public Records Act request may be made using the following link: <https://sandiego.nextrequest.com> for information regarding current contract, RFP 10089549-20-L, Janitorial Maintenance Service at Civic Center Public Restrooms. Children's Park Restrooms was added to RFP 10089549-20-L via a Second Amendment.

Question 4: Will there be security onsite during the services? What safety protocol does the City have in place for this area since it is often frequent by homeless pedestrians?

Response: A correction has been made to the scope of work. See attached Addendum A, Exhibit B, section C. The City has security on site 24/7 at both Civic Center Plaza and Children's Park Public Restrooms.

Question 5: Who is the current contractor?

Response: Excellence Professional Cleaning, Inc. is the current vendor for both Civic Center Public Restrooms and Children's Park Public Restrooms.

Question 6: What is the current monthly charge of the current contractor?

Response: A Public Records Act request may be made using the following link: <https://sandiego.nextrequest.com> for information regarding current contract, RFP 10089549-20-L, Janitorial Maintenance Service at Civic Center Public

Restrooms. Children's Park Restrooms was added to RFP 10089549-20-L via a Second Amendment.

Question 7: Can we have a copy of the current contract and pricing agreement?

Response: A Public Records Act request may be made using the following link: <https://sandiego.nextrequest.com> for information regarding current contract, RFP 10089549-20-L, Janitorial Maintenance Service at Civic Center Public Restrooms. Children's Park Restrooms was added to RFP 10089549-20-L via a Second Amendment.

Question 8: What is the term of the current contract?

Response: Five years.

Question 9: Will the awarded contractor provide the paper products/toiletries for this project?

Response: See ITB, section I, item 7.

Question 10: Are there additional locations or scope of work added from the previous contract?

Response: A Public Records Act request may be made using the following link: <https://sandiego.nextrequest.com> for information regarding current contract, RFP 10089549-20-L, Janitorial Maintenance Service at Civic Center Public Restrooms. Children's Park Restrooms was added to RFP 10089549-20-L via a Second Amendment.

Question 11: Is there prevailing wage?

Response: See ITB, Exhibit D.

Question 12: Is a bid bond required/mandatory for this project?

Response: No.



Invitation to Bid (ITB) to provide Janitorial Maintenance Services at the Civic Center Public Restrooms and Children's Park Public Restrooms

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City Contact: Lisa Hoffmann, Senior Procurement Contracting Officer
Lhoffmann@sandiego.gov
(619) 236-6096

Submissions: Bidder is required to provide one (1) original hard copy and one (1) electronic copy (e.g., thumb drive or CD), **or** an electronic bid via PlanetBids, of their response as described herein.

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IN WITNESS WHEREOF, this Contract is executed by City and Contractor acting by and through their authorized officers.

CONTRACTOR

CITY OF SAN DIEGO
A Municipal Corporation

Clean Companies CA

BY:

Bidder

3629 47th Street

Street Address

Print Name: _____

San Diego

Director

Purchasing & Contracting Department

City

858 868 7108

Date Signed _____

Telephone No.

Support@cleancoca.com

E-Mail

BY:



Signature of Bidder's Authorized Representative

Joshua Mathis

Print Name

President

Title

Approved as to form this _____ day of

11 Sep 2024

Date

_____, 20____.

MARA W. ELLIOTT, City Attorney

BY: _____

Deputy City Attorney

EXHIBIT A
INSTRUCTIONS AND BID REQUIREMENTS

A. BID SUBMISSION

1. Timely Bid Submittal. Bids must be submitted as described herein to the Purchasing & Contracting Department (P&C).

1.1 Reserved.

1.2 Paper Bids. The City will accept paper bids in lieu of eBids. Paper bids must be submitted in a sealed envelope to the Purchasing & Contracting Department (P&C) located at 1200 Third Avenue, Suite 200, San Diego, CA 92101. The Solicitation Number and Closing Date must be referenced in the lower left-hand corner of the outside of the envelope. Faxed bids will not be accepted.

1.3 Bid Due Date. Bids must be submitted prior to the Closing Date indicated in the eBidding System. E-mailed and/or faxed bids will not be accepted.

1.4 Pre-Bid Conference. A pre-bid conference will not be held for this solicitation.

1.4.1 Reserved.

1.5 Questions and Comments. Written questions and comments must be submitted electronically via the eBidding System no later than the date specified on the eBidding System. Only written communications relative to the procurement shall be considered. The City's eBidding System is the only acceptable method for submission of questions. All questions will be answered in writing. The City will distribute questions and answers without identification of the inquirer(s) to all bidders who are on record as having received this ITB via its eBidding System. No oral communications can be relied upon for this ITB. Addenda will be issued addressing questions or comments that are determined by the City to cause a change to any part of this ITB.

1.6 Contact with City Staff. Unless otherwise authorized herein, bidders who are considering submitting a bid in response to this ITB, or who submit a bid in response to this ITB, are prohibited from communicating with City staff about this ITB from the date this ITB is issued until a contract is awarded.

2. Submission of Information and Forms.

2.1 Completed and signed Contract Signature Page. If any addenda are issued, the latest Addendum Contract Signature Page is required.

2.2 Exceptions requested by bidder, if any. The bidder must present written factual or legal justification for any exception requested to the Scope of Work, Contract, or the Exhibits. Any exceptions to the Contract that have not been accepted by the City in writing are deemed rejected. The City, in its sole discretion, may accept some or all of bidder's exceptions, reject bidder's exceptions and deem the bid non-responsive, or award the Contract without bidder's proposed exceptions.

2.3 The Contractor Standards Pledge of Compliance Form.

2.4 Equal Opportunity Contracting forms including the Work Force Report and Contractors Certification of Pending Actions.

2.5 Living Wage Ordinance Certification of Compliance.

2.6 Licenses as required in Exhibit B.

2.7 Reserved.

2.8 Additional Information as required in Exhibit B.

2.9 Reserved.

2.10 Reserved.

2.11 One copy of the safety data sheet (SDS) for each product bid. Only those products whose label and MSDS clearly state the contents, hazard potential, and protective measures required shall be considered for purchase.

3. Bid Review. Bidders are responsible for carefully examining the ITB, the Scope of Work, this Contract, and all documents incorporated into the Contract by reference before submitting a bid. If selected for award of contract, bidder shall be bound by same unless the City has accepted bidder's exceptions, if any, in writing.

4. Addenda. The City may issue addenda to this ITB as necessary. All addenda are incorporated into the Contract. The bidder is responsible for determining whether addenda were issued prior to a bid submission. Failure to respond to or properly address addenda may result in rejection of a bid.

5. **Quantities.** The estimated quantities provided by the City are not guaranteed. These quantities are listed for informational purposes only. Quantities vary depending on the demands of the City. Any variations from the estimated quantities shall not entitle the bidder to an adjustment in the unit price or any additional compensation.

6. **Quality.** Unless otherwise required, all goods furnished shall be new and the best of their kind.

6.1 **Items Offered.** Bidder shall state the applicable trade name, brand, catalog, manufacturer, and/or product number of the required good, if any, in the bid.

6.2 **Brand Names.** Any reference to a specific brand name in a solicitation is illustrative only and describes a component best meeting the specific operational, design, performance, maintenance, quality, or reliability standards and requirements of the City. Bidder may offer an equivalent or equal in response to a brand name referenced (Proposed Equivalent). The City may consider the Proposed Equivalent after it is subjected to testing and evaluation which must be completed prior to the award of contract. If the bidder offers an item of a manufacturer or vendor other than that specified, the bidder must identify the maker, brand, quality, manufacturer number, product number, catalog number, or other trade designation. The City has complete discretion in determining if a Proposed Equivalent will satisfy its requirements. It is the bidder's responsibility to provide, at their expense, any product information, test data, or other information or documents the City requests to properly evaluate or demonstrate the acceptability of the Proposed Equivalent, including independent testing, evaluation at qualified test facilities, or destructive testing.

7. **Modifications, Withdrawals, or Mistakes.** Bidder is responsible for verifying all prices and extensions before submitting a bid.

7.1 **Modification or Withdrawal of Bid Before Bid Opening.** Prior to the Closing Date, the bidder or bidder's authorized representative may modify or withdraw the bid by providing written notice of the bid modification or withdrawal to the City Contact via the eBidding System. E-mail or telephonic withdrawals or modifications are not permissible.

7.2 **Bid Modification or Withdrawal of Bid After Bid Opening.** Any bidder who seeks to modify or withdraw a bid because of the bidder's inadvertent computational error affecting the bid price shall notify the City Contact identified on the eBidding System no later than three working days following the Closing Date. The bidder shall provide worksheets and such other information as may be required by the City to substantiate the claim of inadvertent error. Failure to do so may bar relief and allow the City recourse from the bid surety. The burden is upon the bidder to prove the inadvertent error. If, as a result of a bid modification, the bidder is no longer the apparent successful bidder, the City will award to the newly established apparent successful bidder. The City's decision is final.

8. **Incurred Expenses.** The City is not responsible for any expenses incurred by bidders in participating in this solicitation process.

9. Public Records. By submitting a bid, the bidder acknowledges that any information submitted in response to this ITB is a public record subject to disclosure unless the City determines that a specific exemption in the California Public Records Act (CPRA) applies. If the bidder submits information clearly marked confidential or proprietary, the City may protect such information and treat it with confidentiality to the extent permitted by law. However, it will be the responsibility of the bidder to provide to the City the specific legal grounds on which the City can rely in withholding information requested under the CPRA should the City choose to withhold such information. General references to sections of the CPRA will not suffice. Rather, the bidder must provide a specific and detailed legal basis, including applicable case law, that clearly establishes the requested information is exempt from the disclosure under the CPRA. If the bidder does not provide a specific and detailed legal basis for requesting the City to withhold bidder's confidential or proprietary information at the time of bid submittal, City will release the information as required by the CPRA and bidder will hold the City, its elected officials, officers, and employees harmless for release of this information. It will be the bidder's obligation to defend, at bidder's expense, any legal actions or challenges seeking to obtain from the City any information requested under the CPRA withheld by the City at the bidder's request. Furthermore, the bidder shall indemnify and hold harmless the City, its elected officials, officers, and employees from and against any claim or liability, and defend any action brought against the City, resulting from the City's refusal to release information requested under the CPRA which was withheld at bidder's request. Nothing in the Contract resulting from this bid creates any obligation on the part of the City to notify the bidder or obtain the bidder's approval or consent before releasing information subject to disclosure under the CPRA.

10. Right to Audit. The City Auditor may access bidder's records as described in San Diego Charter section 39.2 to confirm contract compliance.

B. PRICING

1. Fixed Price. 1. All prices shall be firm, fixed, fully burdened, and include any other costs required to provide the requirements as specified in this ITB.

2. Taxes and Fees. Taxes and applicable local, state, and federal regulatory fees should not be included in the price proposal. Applicable taxes and regulatory fees will be added to the net amount invoiced. The City is liable for state, city, and county sales taxes but is exempt from Federal Excise Tax and will furnish exemption certificates upon request. All or any portion of the City sales tax returned to the City will be considered in the evaluation of bids.

3. Escalation. An escalation factor is not allowed unless called for in this ITB. If escalation is allowed, bidder must notify the City in writing in the event of a decline in market price(s) below the bid price. At that time, the City will make an adjustment in the Contract or may elect to re-solicit.

4. Unit Price. Unless the bidder clearly indicates that the price is based on consideration of being awarded the entire lot and that an adjustment to the price was made based on receiving the entire bid, any difference between the unit price correctly extended and the total price shown for all items shall be offered shall be resolved in favor of the unit price.

C. BID OPENING. All bids will be opened at, or immediately after, the time noticed for the bid opening in a location that is open to the public. No bidder or interested person will be excluded from the bid opening. Where no member of the public is in attendance, at least one City officer or employee, in addition to the City employee opening the bids, will be present. Bid results will be announced in the presence of those attending. The name of the project will be audibly announced to those present followed by the name of the bidder, the name of the surety, the amount of the bond, if required, and the total amounts or unit amounts bid. Any person present shall have the right to ask the announcements be repeated or to ask that omitted data be supplied. Such requests will be honored to the extent they do not unreasonably delay or interfere with the bid opening procedure, as determined at the sole discretion of the City employee opening the bids.

D. EVALUATION OF BIDS

1. Low Bid Award. A contract will be awarded to the lowest responsible and responsive bidder.

2. Additional Information. The City may require bidder to provide additional written or oral information to clarify responses.

3. Sustainable Materials. Consistent with Council Policy 100-14, the City encourages use of readily recyclable submittal materials that contain post-consumer recycled content.

4. Waiver of Defects and Technicalities. The City may waive defects and technicalities in bids when to do so is in the City's best interests.

5. Rejection of All Bids. The City may reject any and all bids when to do so is in the City's best interests.

E. ANNOUNCEMENT OF AWARD

1. Award of Contract. The City will inform all bidders of its intent to award a Contract in writing.

2. Obtaining Bid Results. Bid results may be obtained by: (1) attending the bid opening; (2) e-mailing a request to the City Contact identified on the eBidding System; or (3) visiting the P&C eBidding System to review the bid results. To ensure an accurate response, requests should reference the Solicitation Number. Bid results will not be released over the phone.

3. Multiple Awards. City may award more than one contract by awarding separate items or groups of items to various bidders. The additional administrative costs associated with awarding more than one Contract will be considered in the determination.

F. PROTESTS. The City's protest procedures are codified in Chapter 2, Article 2, Division 30 of the San Diego Municipal Code (SDMC). These procedures provide unsuccessful bidders with the opportunity to challenge the City's determination on legal and factual grounds. The City will not consider or otherwise act upon an untimely protest.

G. SUBMITTALS REQUIRED UPON NOTICE OF INTENT TO AWARD. The successful bidder is required to submit the following documents to P&C **within ten (10) business days** from the date on the Notice of Intent to Award letter:

1. Insurance Documents. Evidence of all required insurance, including all required endorsements, as specified in Article VII of the General Contract Terms and Provisions.

2. Taxpayer Identification Number. Internal Revenue Service (IRS) regulations require the City to have the correct name, address, and Taxpayer Identification Number (TIN) or Social Security Number (SSN) on file for businesses or persons who provide goods or services to the City. This information is necessary to complete Form 1099 at the end of each tax year. To comply with IRS regulations, the City requires each Contractor to provide a Form W-9 prior to the award of a Contract.

3. Business Tax Certificate. All businesses that contract with the City must have a current business tax certificate unless the City Treasurer determines the business is exempt.

4. Reserved.

5. Reserved.

The City may find the bidder to be non-responsive and award the Contract to the next responsible and responsive low bidder if the apparent successful bidder fails to timely provide the required information or documents.

**EXHIBIT B
SCOPE OF WORK**

A. INTRODUCTION. The Contractor shall provide janitorial maintenance services at the Civic Center Public Restrooms and Children's Park Public Restrooms (Sites), as specified, every day *including* all weekends and City observed holidays.

The Civic Center Public Restroom has a heavy volume of patron use during events at the City Concourse where this facility is located. The public restroom has an attendant's booth designed so that a security guard/attendant can monitor and manage public access to the restroom facility. The Contractor will provide janitorial services only to ensure the restroom is clean and safe to use. The public restroom has limited restroom fixtures available.

The Children's Park Public Restroom is located at the Children's Park and has a heavy volume of patron uses each day. The public restroom has an attendant's booth designed so that a security guard/attendant can monitor and manage public access to the restroom. The Contractor will provide janitorial services only to ensure the restroom is clean and safe to use. The public restroom has limited restroom fixtures available.

B. OBJECTIVE. The objective of this ITB is to make an award to one company that will provide all aspects of janitorial maintenance services as specified in this ITB.

C. SITE INSPECTION. The Civic Center Public Restrooms are open to the public and staffed by a security guard/attendant 24 hours a day, seven days a week. The Children's Park Public Restrooms are open to the public and staffed by a security guard/attendant from 6:00 AM to 10:00 PM, seven days a week. The Contractor will provide janitorial services to all restrooms at the Sites. Contractors are encouraged to visit the Sites that are part of this ITB and to note the conditions and challenges that the Sites possess firsthand to assess if they are able to fulfill the requirements of the ITB.

Failure to visit the Sites will not relieve the Contractor of their responsibility to perform in accordance with this Contract, including Exhibit B, Scope of Work. No additional compensation or relief from any obligations of the Contract will be granted because of lack of knowledge of the Sites.

The information provided by the City is not intended to be a substitute for, or a supplement to, the independent investigation and verification by the Bidder of each Sites' conditions to determine if they are desirable to the Bidder.

D. LOCATION OF WORK SITES. The location of the Sites are as follows:

Civic Center Public Restrooms
202 C Street

San Diego, CA 92101

Children's Park Public Restrooms
101 West Island Avenue
San Diego, CA 92101

E. SCHEDULE OF WORK. The Sites will be maintained by the Contractor, as follows:

1. Civic Center Public Restrooms. Every day of the week **including** weekends and City observed holidays. Complete cleaning, sanitizing, and stocking of the restrooms will be completed six times a day as follows:

- 1.1 Once between 6:00 a.m. and 10:00 a.m.
- 1.2 Once between 10:00 a.m. and 2:00 p.m.
- 1.3 Once between 2:00 p.m. and 6:00 p.m.
- 1.4 Once between 6:00 p.m. and 10:00 p.m.
- 1.5 Once between 10:00 p.m. and 2:00 a.m.; and
- 1.6 Once between 2:00 a.m. and 6:00 a.m.
- 1.7 Additional cleaning, sanitizing, and stocking will be provided, upon

request of the City or Technical Representative or designee, within two hours of the request made to the Contractor's designated contact.

2. Children's Park Public Restrooms.

2.1 Every day of the week **including** weekends and City observed holidays. Complete cleaning, sanitizing, and stocking of the restrooms will be completed three times a day as follows:

- 2.1.1 Once between 2:00 p.m. and 4:00 p.m.
- 2.1.2 Once between 6:00 p.m. and 8:00 p.m.
- 2.1.3 Once between 9:30 p.m. and 10:00 p.m.
- 2.1.4 Additional cleaning, sanitizing, and stocking will be provided,

upon request of the City or Technical Representative or designee, within two hours of the request made to the Contractor's designated contact.

2.2 On City observed holidays. Complete cleaning, sanitizing, and stocking of the restrooms will be completed six times a day as follows:

- 2.2.1 Once between 8:00 a.m. and 10:00 a.m.
- 2.2.2 Once between 10:00 a.m. and 12:00 p.m.
- 2.2.3 Once between 12:00 p.m. and 2:00 p.m.
- 2.2.4 Once between 2:00 p.m. and 4:00 p.m.

2.2.5 Once between 6:00 p.m. and 8:00 p.m.; and

2.2.6 Once between 9:30 p.m. and 10:00 p.m.

2.2.7 Additional cleaning, sanitizing, and stocking will be provided, upon request of the City or Technical Representative or designee, within two hours of the request made to the Contractor's designated contact.

City observed holidays are: New Year's Day, Martin Luther King, Jr. Day, Presidents' Day, Cesar Chavez Day, Memorial Day, Juneteenth, Independence Day, Labor Day, Veterans' Day, Thanksgiving Day, and Christmas Day.

F. TELEPHONE USAGE. The City provides, at the City's expense, a land line telephone at the Civic Center Public Restrooms for authorized usage by the Contractor (and Security Guard/Attendant), as further described in Section I (10 thru 12) of Exhibit B. Unauthorized telephone usage by the Contractor will be at the Contractor's sole expense.

G. MANAGING RESTROOM FACILITY STANDARDS. The Contractor will perform the following standards to clean and maintain the restroom facilities at the Sites:

1. Contractor will maintain a daily log to capture the time of each complete cleaning and any extra cleaning outside of the schedule in Section E. The log will also capture the status of the restroom at each cleaning time (clean, significantly soiled, etc.) and any significant issues found, such as blood or bodily fluids, evidence of illegal activity including drug use, and all facility repair issues, etc. Log will be provided to the Technical Representative or designee monthly or upon request.

H. FACILITY DESCRIPTION. A summary of each Sites' description is as follows:

1. Civic Center Public Restrooms (Approx. 1,138 sq. ft.)

Approximate Square Footage:	494 sq. ft. (inside area). 644 sq. ft. (outside area – pedestrian walkway).
Restrooms:	Two Unisex restrooms 1 restroom has 2 toilets and 1 sink. 1 restroom has 1 toilet, 1 urinal and 1 sink
Flooring:	VCT: Approximately 45 sq. ft. Concrete (Inside and Outside) Painted, approximately 1,093 sq. ft.

Features of Facility: The Front Desk area is staffed 24/7 by the Attendant/Security Guard and is not available for use by the Contractor. The janitorial supply cabinet to the rear of the Front Desk Area is available for use by the Contractor and must be kept clean and neat if used.

The Contractor’s janitorial staff are responsible for maintaining the outside area/pedestrian walkway, and ensuring it is clean and free of trash and any debris. If personal items are left for a period of time, and not already identified by the Attendant/Security Guard, the Contractor shall bring them to the attention of the Attendant/Security guard who will take responsibility for either returning the property to the owner or disposal of the personal items within 72 hours.

The outside area/pedestrian walkway is approximately 644 sq. ft. (46 sq. ft. in length and 14 sq. ft. in width) from the entrance way.

2. Children’s Park Public Restrooms (Approx. 154 sq. ft.)

Approximate Square Footage: 80 sq. ft. (inside area).
74 sq. ft. (outside area sink).

Restrooms: Two (2) Unisex restrooms
Each restroom has one toilet

Flooring: Concrete (Inside and Outside)

Features of Facility: The Contractor’s janitorial staff are responsible for maintaining the outside sink, and ensuring it is clean and free of trash and debris. If personal items are left for a period of time and not already identified by the Attendant/Security Guard, the Contractor will bring them to the attention of the Attendant/Security guard who will take responsibility for either returning the property to the owner or disposal of the personal items within 72 hours.

I. CONTRACTOR'S RESPONSIBILITIES.

1. Staffing. The Contractor will provide seven days a week janitorial maintenance services at the Sites, *including* all City observed holidays.

The Contractor will furnish adequate supervisory and working personnel capable of completing all work required under this ITB as scheduled and to the satisfaction of the City and Technical Representative or designee.

The Contractor will also maintain a sufficient number of trained staff to cover vacations, illnesses, and emergency leave for staff assigned to this contract.

2. Supervision. The Contractor will have a minimum of one qualified supervisor available to perform weekly inspections. The Contractor will provide adequate supervision to ensure work is completed as specified in this Contract. This may be a working supervisor. Prior to start of the Contract, the Contractor will notify the Technical Representative or designee of the name of the supervisor assigned to the Sites. Any changes in supervision will be submitted in writing to the Technical Representative or designee prior to commencement of work.

In the event Contractor changes the supervisor assigned to this Contract, Contractor will notify the Technical Representative or designee in writing prior to the start date of the new supervisor. The Contractor will also be responsible for ensuring that any new supervisor understands the requirements of this Contract and will schedule a meeting with the Technical Representative or designee and the new supervisor prior to commencement of work.

3. Uniforms. Janitorial maintenance staff, including supervisors, will work in distinguishing, neat, and clean uniforms provided by the Contractor. All uniforms will be cleaned and maintained by the Contractor. At a minimum, the Contractor will furnish their employees with a shirt, or some other type of upper body wear, in a common color bearing the company's identification and employee's name. Uniforms will also consist of proper footwear that fully covers the foot. Sandals and/or flip-flops are unacceptable footwear.

Long pants will be worn on each work shift. Shorts or cut-offs are unacceptable. Contractor's employees must look professional and have proper personal hygiene. Appropriate uniform will be worn at all times, including by personnel who are being trained.

4. Training. Prior to the start of work on this Contract, Contractor will contact the Technical Representative(s) or designee(s) to obtain a copy of the Safety Data Sheet (SDS) for City authorized chemicals. Contractor will train their janitorial maintenance staff on safety requirements, including SDS for all chemicals used for this Contract, Blood Born Pathogen, Personal Protective Equipment, and the Injury/Illness Program as required by CAL OSHA, Title 8, Sections 3203, 1926.59, and 5193. Janitorial maintenance staff will be trained in the proper use of green cleaning techniques and products.

The Contractor is required to provide certification that janitorial personnel assigned to this Contract have received this training. This certification must be submitted to the Technical Representative or designee prior to the commencement of this Contract (use form attached hereto as Exhibit F). For new employees being assigned to this Contract, the required certification must be provided to the Technical Representative or designee prior to commencement of duties. All training will be provided at the sole expense of the Contractor. The City reserves the right to require retraining at the Contractor's expense, as determined by the City.

5. Certification. Failure of the Contractor to provide the above required certification to a particular employee is cause for City to require immediate removal of the employee from work required by this Contract.

The Contractor is responsible for ensuring new employees understand the requirements of this Contract and are properly trained prior to starting work.

6. Communication Skills. Contractor will ensure that at least one member of the onsite janitorial crew at each site can communicate clearly and independently in English, both verbally and in writing.

Assigned supervisors will be capable of completing legible written forms and understanding oral and/or written instructions in English.

7. Contractor Provided Cleaning Supplies, Chemicals and Equipment. The Contractor will be responsible for furnishing all the cleaning chemicals, supplies, and equipment required for performing specified tasks including, but not limited to, wastebaskets/trash can liners, deodorizers, liquid or powdered hand soap, toilet paper, seat covers, brooms, mops, mop buckets, pick-up sticks, toilet bowl brushes, sink cleaning brushes, cleaning cloths, dustpans, and dusters, unless otherwise noted. All materials will be top quality by industry standards.

All chemicals provided by the Contractor will be certified as green within one of the certifications by product category listed below. If a cleaner is not available in one of the following product categories, then the least hazardous product that performs effectively will be used. Additional required green certified product categories and/or certifications may be added by the City as they are developed.

The Technical Representative or designee must pre-approve all products provided by the Contractor prior to use at the Sites.

- cleaners:
- 7.1 Green Seal GS-37 for general purpose, bathroom, glass, and carpet
 - 7.2 Green Seal GS-40 for industrial and institutional floor care products
 - 7.3 Environmental Choice CCD-110 for cleaning and degreasing
- compounds:
- 7.4 Environmental Choice CCD-115 for odor control additives
 - 7.5 Environmental Choice CCD-146 for hard surface cleaners
 - 7.6 Environmental Choice CCD-147 for hard floor care

7.7 Environmental Choice CCD-148 for carpet and upholstery care, and

7.8 EPA Design for the Environment

8. Keys. Keys supplied to the Contractor will not be shared or loaned to anyone outside the Contractor's business. They must be retained by authorized janitorial personnel to whom they were issued. Failure to abide by these security regulations is a breach in security and may be grounds for removal of the employee from this Contract.

Keys supplied to Contractor will not be duplicated, except by the City. Lost keys will be reported immediately to the Technical Representative or designee.

All keys are the property of the City and must be returned upon completion of this Contract. If the Contractor loses any of the keys during the term of this Contract or fails to return the keys immediately upon completion or termination of this Contract, the Contractor will pay the City for the cost of re-keying the locks. This cost may be retained from the final payment. If the City does not re-key the locks, the cost of any replacement key(s) will be paid by the Contractor. This cost may be retained from monthly payments until paid in full.

9. Janitorial Staff Reporting Procedures. Contractor's employees, including all supervisors conducting inspections, will sign in upon reporting for work and will sign out prior to leaving work on a log provided by the Technical Representative or designee. Contractor's employees are to sign in and out based on actual arrival and departure times versus scheduled times. Supervisors shall write "Supervisor" beside their name. The City has no obligation to pay for services if the log is not properly completed. The log will be kept in a designated area identified by the Technical Representative or designee.

The Contractor's employees will complete the Janitor's Cleaning Checklists when tasks are completed and leave them in the designated area. The City will provide the Contractor with a master copy of each Janitor's Cleaning Checklist (attached hereto as Exhibit E) prior to commencement of work. The Contractor will be responsible for ensuring copies are made available to janitorial personnel, at no additional cost to the City.

The City has no obligation to pay for services if the checklists are not completed.

10. Contractor Response Time. A Contractor representative, authorized to discuss matters related to this Contract, must be available between 6:00 a.m. and 6:00 p.m., every day including all weekends and City observed holidays. Contractor must be available via cell phone and email during these designated times.

11. Emergency Calls for Call Back Services. A supervisor or manager will respond to emergency telephone calls within 15 minutes of the call being placed. All actions required to resolve onsite emergencies will be completed within two hours and will be charged at the "Extra Cleaning Services" rate submitted by the Contractor on the Pricing pages in Section Y.

Emergency calls are defined as those where the Technical Representative or designee states an emergency exists and notifies the Contractor's office of such emergency.

The Contractor will have the capability to make calls of an emergency/safety nature involving patron conduct 24 hours a day. The Contractor, upon observing any plumbing stoppages, leaking faucet, or electrical malfunctions will immediately contact Work Control (Station 38) by phone at (619) 525-8540. The Contractor will also submit an incident report to the Technical Representative within 24 hours.

12. Non-Emergency Calls. A supervisor or manager will respond to non-emergency calls, incidents, maintenance related issues, or e-mails within one hour of the call being placed, or the email being sent. A log must be kept documenting all incidents. All actions required to resolve the non-emergency issue(s) or deficiencies must be completed by the next business day unless otherwise directed by the Technical Representative or designee.

13. Safety Requirements. All work performed under this Contract will be performed in such a manner as to provide maximum safety to the public and employees and will comply with all applicable safety provisions and regulations. The Contractor is responsible for abiding by all CAL/OSHA requirements, including the labeling of containers. Contractors that have ten or more employees must have an injury/illness program as required by CAL/OSHA.

Wet floor warning signs will be supplied by the Contractor and properly utilized whenever a potentially hazardous floor condition exists. It is the Contractor's responsibility to ensure that adequate warning signs are posted, and that Contractor's employees adhere to all safety regulations.

Personal Protective Equipment (PPE) including but not limited to, eye protection, boots, gloves, mask and fall protection devices, as required, will be supplied by the Contractor for janitorial staff and properly used at all times.

14. Safety Data Sheets (SDS). The Contractor is responsible for ensuring that copies of all SDS are available at the Sites.

Contractor is required to provide a SDS and applicable green certification for all chemicals used by Contractor at the Sites. Contractor provided chemicals must be approved by the Technical Representative or designee prior to usage at the Sites. Only those products whose labels and SDS clearly state the content, hazard potential, and protective measures required will be approved for use. Proof of product certification as green may include, but not be limited to, a copy of the green certification, or product literature or label stating that the product is green certified.

15. Attendant's Booth, Civic Center Public Restrooms and Children's Park Public

Restrooms. Attendant's Booth and restrooms at Civic Center Public Restrooms (which include sinks, floors, and all fixtures and fittings) will be maintained in a neat, clean, disinfected, and sanitized manner by Contractor.

Children's Park Restrooms (which include sinks, floors, and all fixtures and fittings) will be maintained in a neat, clean, disinfected, and sanitized manner. Attendant's booth at Children's Park will be maintained by City staff.

16. Security Precautions. Janitorial personnel will not allow anyone in the attendant booth unless that person is specifically assigned by the Contractor to do and/or supervise janitorial service at the facility or is the assigned Attendant/Security Guard. This rule will be strictly enforced.

The Contractor will ensure that the attendant booth is locked upon completion of each cleaning. Offices will not be left open when not attended or when cleaning is conducted out of sight of the open office. Security must be maintained during the cleaning period. Access to any office by anyone except the Attendant/Security Guard or janitorial personnel will not be permitted.

17. Site Inspection Upon Commencement of Contract. Within five days upon commencement of Contract, the Contractor will inspect the Sites with the Technical Representative or designee to determine if the Sites are in compliance with this Exhibit B. If deficiencies are identified, the Technical Representative or designee may authorize, in writing, a mutually agreed upon one-time payment to the Contractor to correct the deficiencies. If work is authorized, the Contractor will bring the Sites into compliance with this Exhibit B and thereafter maintain them at that level.

J. QUALITY OF WORK/INSPECTIONS. The Contractor will provide quality janitorial services for the Sites. All work must be performed in accordance with the best Industry Standards and the Sites must be kept clean and maintained in accordance with the cleaning standards specified throughout the term of this Contract.

1. Inspections by Contractor. The Contractor will perform regular and comprehensive inspections of the Sites to ensure that all work is completed in accordance with this Exhibit B. At a minimum, these inspections must be performed by a supervisor on a weekly basis.

The Contractor must meet with the Technical Representative or designee at least monthly at a regularly set date and time to evaluate services performed.

2. Inspections by Technical Representative. Regular inspections will be conducted by the Technical Representative or designee. Any performance deficiencies will be noted on the Janitor's Cleaning Checklists, on Exhibit E, and left in the designated area. A copy will also be emailed to the Contractor. Deficiencies must be corrected no later than the next business day

unless otherwise directed by the Technical Representative or designee.

K. END OF CONTRACT. Prior to the expiration of the term of this Contract, the Technical Representative or designee will inspect the Sites with the Contractor to ensure that the Sites are in a condition that conforms to this Exhibit B. Any deficiencies found in the specified maintenance level will be noted and presented to the Contractor in writing. All deficiencies noted must be corrected by the Contractor prior to the expiration of the term of this Contract. The City, in its sole discretion, will determine what constitutes a deficiency.

If the Contractor fails to correct the noted deficiencies prior to the expiration of the term of this Contract and turns over the Sites in an unacceptable condition, as determined by the Technical Representative or designee, in his or her sole discretion, the City will authorize work to bring the Sites into compliance with this Exhibit B. All costs incurred by the City to correct deficiencies will be deducted from the Contractor's final payment. The City, in its sole discretion, will determine what constitutes a reasonable cost for work authorized.

L. STATEMENT OF TASKS AND CLEANING STANDARDS. All tasks must be performed in accordance with the cleaning standards stated within this Exhibit B throughout the term of this Contract.

The Contractor must follow the restroom cleaning procedures established by the City of San Diego Parks and Recreation Department, see Exhibit G.

Janitorial services will be as indicated in this Exhibit B, paragraph E., above, and in addition on an as-needed basis as indicated. Contractor will assist the Attendant/Security Guard to ensure the attendant's booth (at Civic Center Plaza only) is also always maintained in a neat and clean condition. Shelves and windows will be wiped or dusted clean; and all stored tissues, cleaning supplies, and other items will be kept neat and out of public view.

The following standards are intended to indicate the acceptable minimum level of services to satisfy the requirements of this Exhibit B and this Contract.

1. Daily Tasks (Full-Service Day). The following tasks (Tasks No. 1.1 – 1.12) must be performed six times daily at Civic Center Public Restrooms including weekends and City observed holidays, and at Children's Park Public Restrooms three times daily including weekends, except on City observed holidays the tasks will be performed seven times, unless otherwise expressly stated.

1.1 Clean Restrooms. Contractor must maintain restrooms in a clean, disinfected, and sanitized manner using cleaning agents and/or disinfectants that are pre-approved by the City. Restrooms must be scrubbed using anti-bacterial/anti-fungal cleaner.

Walls, wall partitions, flooring, floor seams, cracks, grout, wainscoting, etc., and fixtures including sinks, toilets, urinals, water closets, and lavatories must be washed/scrubbed with

quality materials using techniques which will remove and prevent soil buildup, formation or encrustation, and stains, under lids, ledges, sills, and rims. All metal fixtures and hand grab rails will be cleaned. Tile grout must be cleaned and scrubbed to maintain clean appearance. Toilet stall partitions and door locks will be inspected and cleaned daily on both sides of the panels. Special attention will be given to the countertops to ensure its cleanliness. Entry door and stall door frames will be cleaned, with special emphasis around the hinges.

The term “clean” as used here will mean that no dirt, dust, lint, stains, spots, grease, molds, or odors can be detected on areas including floors, walls, partitions, ledges, trim, doors, moldings, and fixtures within the restroom.

1.2 Refill Dispensers for Paper Towels, Soap, Toilet Paper, and Toilet Seat Covers. Contractor must refill all dispensers for paper towels, soap, toilet paper and toilet seat covers.

1.3 Sweep/Dust, Damp Mop and Disinfect, Linoleum/Tile and Concrete Floors. This standard refers to the flooring in the office/attendant's booth and restrooms at the public restrooms and the special flooring (including the tiled and specialty concrete walkway in front) at the Civic Center Public Restrooms. **Additionally, this standard refers to the Children's Park Public Restrooms, the concrete walkway directly in front of the restrooms, and surrounding the sink.**

Contractor must remove all spots, stains, and spills as part of normal floor care for both interior and exterior surfaces with sweep/dust mop and/or damp mop. Special attention will be given to all corners, edges, nooks, and baseboards to prevent the accumulation of soil, lint, and other material.

While damp mopping and disinfecting interior floor surfaces, Contractor must take special care to not leave streaks on the floor, or cause the accumulation of soil, lint and other material in the corners, edges, nooks, and baseboards.

Contractor will remove dirt on all flooring by one or more of the following.

- 1.3.1 Sweeping with a horsehair or similar type push broom.
- 1.3.2 Using a dust mop.
- 1.3.3 Using a damp mop.
- 1.3.4 Using renewable commercial-type cleaning cloths; and
- 1.3.5 Using a heavy-duty vacuum cleaner with appropriate pick-up

tool.

1.4 Replace Light Bulbs. Burned out light bulbs located 12 feet and under will be replaced by the Contractor and placed in the janitorial closet in a designated box or

bucket. The Technical Representative or designee will place a work order to have the burned-out bulbs properly disposed of by another contracted vendor or City staff. The City will provide all replacement light bulbs.

1.5 Empty and Clean all Wastebaskets, Trash Receptacles, and Ash Urns.

Contractor must empty all wastebaskets, trash receptacles, ashtrays, butt cans, and sand urns inside and outside the Sites. All receptacles must be washed, as necessary, to maintain them in a stain-free and odor-free condition. Trash receptacles must be lined with contractor-provided plastic trash bags. Contractor will place all trash bags in a designated dumpster(s). The sand in sand urns must be sifted quarterly or more often as needed.

1.6 Pick-up Litter, Trash, and Garbage. Contractor must pick up and dispose of all litter, trash, garbage, and foreign discarded or abandoned objects found in the interior of the facility, and exterior walkways, including the outside pedestrian walkway. Contractor must pick up and dispose of trash from trash cans located at the entrance and exit doors. All trash will be placed in a designated dumpster.

1.7 Dust. Contractor must dust in all offices, common and public areas. Contractor must dust desk (*when cleared of work material*), table, chair, shelving, countertops, light fixtures, pictures, telephone, moldings, ledges, switches, door frames and jambs, windowsills, and any other surface that accumulates dust, where applicable. Dusting of furniture will include chair legs, table legs, frames, and bases. Dusting will be performed using a cloth and/or vacuum cleaner. Dusting will be performed in a manner to maintain the facility in a dustless condition and free of surface spots, stains, or marks.

All cobwebs must be removed.

1.8 Clean Glass, Mirrors, and Metal Handrails. Contractor must clean all glass including observation windows, display-type windows, display cases, glass doors and adjoining panes, interior partitions, desk glass, mirrors, and metal handrails. Glass surfaces must be left clean with no fingerprints, streaks, spots, or dirt film.

1.9 Maintain Floor Drains. Contractor must maintain floor drains so that they do not smell. Contractor must pour approximately one cup of City approved disinfectant/enzyme cleaner down each restroom floor drain as needed, approximately once per week.

1.10 Clean Walls, Door Frames, Jambs, and Light Switches. Contractor must clean all walls, doors, door frames/jambs, partitions, light switches, ledges, moldings, windowsills, wood, and metal work to remove dust, dirt, spots, stains, hand marks, and any other marks or scuffs, as needed.

1.11 Clean Tables, Chairs, and Countertops. Contractor must clean tables, chairs, and countertops to remove fingerprints, streaks, spots, or dirt film. No wax or oily

polish will be applied.

1.12 Dust Air Diffusers, Grills, Vents, and Filter Houses. Contractor must maintain the air diffusers, grills, and vents, including those located in restrooms to keep them clean and free of dust. These areas must be wiped and cleaned with a damp cloth and/or vacuumed to remove dust, dirt, and debris, as needed.

M. QUALIFICATIONS AND EXPERIENCE. The following experience, qualifications and skills are required. Failure to provide the required and/or complete information may be cause for the Bidder's submittal to be rejected as non-responsive.

1. Contractor must submit a company/corporation organization chart including the dedicated account manager, all supervisors who will supervise work, and all senior management who supervise the dedicated account manager, including all years of tenure of such.

2. Contractor must have a minimum of three years of experience (in the last five years) conducting work of similar type, scope, and scale as those specified in this ITB as demonstrated by professional references submitted as part of the City of San Diego Contractor Standards Pledge of Compliance form.

3. Contractor must submit the resume of an account manager (Project Manager), who will be dedicated to this Contract and must have a minimum of two years of experience (in the last five years) managing and conducting work of similar type, scope, and scale as those specified in this ITB.

4. All managers and supervisors proposed to be involved in services at the Sites in this ITB must have a minimum of two years' service in providing managerial and supervisory support in cleaning and conducting work of similar type, scope, and scale as those specified in this ITB. Contractor must submit the resume for each manager and supervisor proposed to be involved in services at the Sites in this ITB.

N. CUSTOMER SERVICE OPERATION. Contractor must provide a customer service operation for City staff. The customer service operation must include access to a local number 619, 858, and 760, or a toll-free number and provision of an in-house customer service representative who is assigned and dedicated to the City. The in-house customer service representative must be knowledgeable and responsive relative to the Contract and customer services issues and available to City staff every day including all weekends and City observed holidays between the hours of 6:00am – 6:00pm.

O. EXTRA CLEANING SERVICES (MUST BE PRE-AUTHORIZED). The Contractor may be called upon to provide extra cleaning service under this Contract. No extra services can be performed without prior specific written authorization and instructions from the Technical Representative or designee. Any additional services performed without written authorization

will be considered unauthorized and will not obligate the City to pay for such services. Extra janitorial maintenance services must be in accordance with the Pricing Pages, listed separately on acceptable invoices to the City with a copy of the written authorization attached. No travel time will be charged.

P. SQUARE FOOTAGES LISTED. All square footage provided for Civic Center Plaza Public Restrooms are approximate (approx. 1,138 sq. ft.) and for Children's Park Public Restrooms are approximate (approx. 154 sq. ft.). Each Contractor is responsible for verifying actual square footage.

Q. PAYMENTS WITHHELD. The City may withhold payment for services not performed and for unsatisfactory or substandard work not corrected to the satisfaction of the Technical Representative or designee within the time specified. Such deductions will not prevent the City from proceeding with termination of this Contract in accordance with Section 4.3 (City's Right to Terminate for Default) of the City of San Diego General Contract Terms and Provisions Applicable to Goods, Services, and Consultant Contracts revised December 18, 2017.

R. CONTRACT MODIFICATIONS. At any time during this Contract, the City reserves the right to increase or decrease task frequencies for the Sites to be maintained under the provisions of this Contract at the one-time cost for the specified task(s) that is in effect at the time of such election. The City also reserves the right to add or delete site(s) as it deems necessary, and to modify tasks as required.

This Exhibit B may only be modified by the Purchasing Agent and will be confirmed in writing prior to implementation. Any contract modifications which are not approved by the Purchasing Agent will be considered unauthorized and will not obligate the City to pay for said services.

S. SUBCONTRACTORS. The Contractor must not subcontract any portion of this Contract to any party without pre-authorized written approval from the Technical Representative, or designee. San Diego Municipal Code section 22.4210(c), part of the City's Living Wage Ordinance, requires the Contractor to use its own employees to perform at least 50 percent of the work described in this Contract.

T. NON-INTERFERENCE WITH CITY OPERATIONS. Contractor must require its employees and agents to comply with all City rules and regulations while at the Sites or on adjacent City property. Contractor must acquaint itself with conditions at the Sites so as not to interfere with City operations or the City's security contractor. Contractor must not stop, delay, or interfere with City work schedule(s) or operations without the prior written approval of the Technical Representative or designee. Contractor must be entirely responsible for working in harmony with all others at the Sites (i.e., City staff, City's security contractor and Contractor's staff).

U. COOPERATION AND TRANSITION. Contractor must cooperate with the City and any

contractor currently providing services at the Sites at the initiation of this Contract in order to accomplish a smooth phase-out and transition of responsibilities and services.

V. DISPLACED JANITOR OPPORTUNITY ACT. The Displaced Janitor Opportunity Act dated December 6, 2001, Chapter 4.5 (commencing with Section 1060) of Part 3 of Division 2 of the Labor Code (Act) is incorporated as part of this solicitation and any resulting contract by reference. The Displaced Janitor Opportunity Act is available online at www.sandiego.gov/purchasing or via request from the Purchasing & Contracting Department by calling (619) 236-6000.

By submitting a bid to City, the Bidder acknowledges that the requirements of the Act are included as a part of this solicitation, that Bidder has read and understood the meaning, intent, and requirements of said Act, and that, if awarded this contract, Bidder will be expected to comply with the applicable provisions of the Act in initiating and performing work under this Contract.

W. ADDITIONAL INSURANCE. Contractor must not begin any performance under this Contract until it has provided the City with evidence of the following insurance coverage, in addition to the coverage required under Section 7.2 of the City of San Diego General Contract Terms and Provisions Applicable to Goods, Services, and Consultant Contracts revised December 18, 2017.

Crime Insurance, including Employee Dishonest/Fidelity coverage, for a minimum of \$25,000.00 per employee or \$100,000.00 blanket limit. This coverage protects the Contractor against loss by the theft or mysterious disappearance of property by any of Contractor's employees or third parties while said property is in the care, custody, or control of the Contractor resulting directly or indirectly from the performance or execution of the Contractor or subcontract thereunder.

X. TECHNICAL REPRESENTATIVE. The Technical Representative for this Contract is identified in the notice of award and is responsible for overseeing and monitoring this Contract. The Technical Representative will provide daily oversight of this Contract to ensure compliance to the scope of work and/or performance to Contract specifications. The Technical Representative is also responsible for oversight of all the invoice payments and billing questions for purchase orders issues under this Contract. The Purchasing Agent will be responsible for all contractual matters and is the only individual authorized to make changes of any kind to the Contract. The Contractor must not rely upon any oral change from anyone, or a written request for change from someone other than the Technical Representative. All changes must be in writing, signed by the Technical Representative. The City may identify a new Technical Representative to fulfill obligations of the Technical Representative set forth in this contract by providing Contractor with the name and contact information of that individual in writing.

Y.

PRICING PAGE(S).

1. Pricing, City's Estimated Need. It is the intent of the City to award the ITB in total to a single contractor.

Unit prices will be based on the unit of measure (u/m) as specified on the pricing page(s). Any changes to the unit of measure made by the Bidder may be cause for the item to be rejected as non-responsive.

2. Pricing Page

Calculation: * "Estimated Monthly Price" = "Estimated Monthly Visit / Frequency" X "Unit Price"

Calculation: ** "Estimated Annual Price" = "Estimated Monthly Price" X 12"

Calculation: *** City Observed Holidays: "Estimated Annual Price = "11 (Visits per Year) X "Unit Price"

Section 1: Civic Center Public Restroom and Children's Park Public Restroom

Estimated Monthly Visit	U/M	Description	Unit Price	Estimated Monthly Price	Estimated Annual Price
31	DAY	Civic Center Public Restrooms: Daily Tasks, 6 times a day, 7 days a week, Monday through Sunday, including all City observed holidays, as specified.	\$ 110 /Day	\$ 3,410 /Month*\$	40,920 /Year**
31	DAY	Children's Park Public Restrooms: Daily Tasks, 3 times a day, 7 days a week, Monday through Sunday; except for City observed holidays.	\$ 60 /Day	\$ 1,860 /Month*	22,320 /Year**
11 (Visits per Year)	DAY	See pricing line below for "Unit Price" for City observed holidays. Children's Park Public Restroom: Daily Tasks, 6 times a day, on City observed holidays.	\$ 60 /Day	N/A (to per month)	\$ 660 /Year***

Section 2: Extra Cleaning Services (Must Have Prior Written Pre-Authorization by the Technical Representative)

Estimated Monthly Frequency	U/M	Description	Unit Price	Estimated Monthly Price*	Estimated Annual Price**
4	HR	Extra Cleaning Services require written pre-authorization by the Technical Representative, or designee as specified in this Exhibit B, Paragraph M.	\$ 77 /Day	\$ 308 /Month	\$ 3,696 /Year

TOTAL ESTIMATED MONTHLY PRICE (SECTIONS 1-2): \$5,578

TOTAL ESTIMATED ANNUAL PRICE (SECTIONS 1-2): \$ 67,596

EXHIBIT C



THE CITY OF SAN DIEGO
GENERAL CONTRACT TERMS AND PROVISIONS
APPLICABLE TO GOODS, SERVICES, AND CONSULTANT CONTRACTS

ARTICLE I
SCOPE AND TERM OF CONTRACT

1.1 Scope of Contract. The scope of contract between the City and a provider of goods and/or services (Contractor) is described in the Contract Documents. The Contract Documents are comprised of the Request for Proposal, Invitation to Bid, or other solicitation document (Solicitation); the successful bid or proposal; the letter awarding the contract to Contractor; the City's written acceptance of exceptions or clarifications to the Solicitation, if any; and these General Contract Terms and Provisions.

1.2 Effective Date. A contract between the City and Contractor (Contract) is effective on the last date that the contract is signed by the parties and approved by the City Attorney in accordance with Charter section 40. Unless otherwise terminated, this Contract is effective until it is completed or as otherwise agreed upon in writing by the parties, whichever is the earliest. A Contract term cannot exceed five (5) years unless approved by the City Council by ordinance.

1.3 Contract Extension. The City may, in its sole discretion, unilaterally exercise an option to extend the Contract as described in the Contract Documents. In addition, the City may, in its sole discretion, unilaterally extend the Contract on a month-to-month basis following contract expiration if authorized under Charter section 99 and the Contract Documents. Contractor shall not increase its pricing in excess of the percentage increase described in the Contract.

ARTICLE II
CONTRACT ADMINISTRATOR

2.1 Contract Administrator. The Purchasing Agent or designee is the Contract Administrator for purposes of this Contract, and has the responsibilities described in this Contract, in the San Diego Charter, and in Chapter 2, Article 2, Divisions 5, 30, and 32.

2.1.1 Contractor Performance Evaluations. The Contract Administrator will evaluate Contractor's performance as often as the Contract Administrator deems necessary throughout the term of the contract. This evaluation will be based on criteria including the quality of goods or services, the timeliness of performance, and adherence to applicable laws, including prevailing wage and living wage. City will provide Contractors who receive an unsatisfactory rating with a copy of the evaluation and an opportunity to respond. City may consider final evaluations, including Contractor's response, in evaluating future proposals and bids for contract award.

2.2 Notices. Unless otherwise specified, in all cases where written notice is required under this Contract, service shall be deemed sufficient if the notice is personally delivered or deposited in the United States mail, with first class postage paid, attention to the Purchasing Agent. Proper notice is effective on the date of personal delivery or five (5) days after deposit in a United States postal mailbox unless provided otherwise in the Contract. Notices to the City shall be sent to:

Purchasing Agent
City of San Diego, Purchasing and Contracting Division
1200 3rd Avenue, Suite 200
San Diego, CA 92101-4195

ARTICLE III COMPENSATION

3.1 Manner of Payment. Contractor will be paid monthly, in arrears, for goods and/or services provided in accordance with the terms and provisions specified in the Contract.

3.2 Invoices.

3.2.1 Invoice Detail. Contractor's invoice must be on Contractor's stationary with Contractor's name, address, and remittance address if different. Contractor's invoice must have a date, an invoice number, a purchase order number, a description of the goods or services provided, and an amount due.

3.2.2 Service Contracts. Contractor must submit invoices for services to City by the 10th of the month following the month in which Contractor provided services. Invoices must include the address of the location where services were performed and the dates in which services were provided.

3.2.3 Goods Contracts. Contractor must submit invoices for goods to City within seven days of the shipment. Invoices must describe the goods provided.

3.2.4 Parts Contracts. Contractor must submit invoices for parts to City within seven calendar (7) days of the date the parts are shipped. Invoices must include the manufacturer of the part, manufacturer's published list price, percentage discount applied in accordance with Pricing Page(s), the net price to City, and an item description, quantity, and extension.

3.2.5 Extraordinary Work. City will not pay Contractor for extraordinary work unless Contractor receives prior written authorization from the Contract Administrator. Failure to do so will result in payment being withheld for services. If approved, Contractor will include an invoice that describes the work performed and the location where the work was performed, and a copy of the Contract Administrator's written authorization.

3.2.6 Reporting Requirements. Contractor must submit the following reports using the City's web-based contract compliance portal. Incomplete and/or delinquent reports may cause payment delays, non-payment of invoice, or both. For questions, please view the City's online tutorials on how to utilize the City's web-based contract compliance portal.

3.2.6.1 Monthly Employment Utilization Reports. Contractor and Contractor's subcontractors and suppliers must submit Monthly Employment Utilization Reports by the fifth (5th) day of the subsequent month.

3.2.6.2 Monthly Invoicing and Payments. Contractor and Contractor's subcontractors and suppliers must submit Monthly Invoicing and Payment Reports by the fifth (5th) day of the subsequent month.

3.3 Annual Appropriation of Funds. Contractor acknowledges that the Contract term may extend over multiple City fiscal years, and that work and compensation under this Contract is contingent on the City Council appropriating funding for and authorizing such work and compensation for those fiscal years. This Contract may be terminated at the end of the fiscal year for which sufficient funding is not appropriated and authorized. City is not obligated to pay Contractor for any amounts not duly appropriated and authorized by City Council.

3.4 Price Adjustments. Based on Contractor's written request and justification, the City may approve an increase in unit prices on Contractor's pricing pages consistent with the amount requested in the justification in an amount not to exceed the increase in the Consumer Price Index, San Diego Area, for All Urban Customers (CPI-U) as published by the Bureau of Labor Statistics, or 5.0%, or the City's annual Living Wage increase. If the CPI-U is a negative number, then the unit prices shall not be adjusted for that option year (the unit prices will not be decreased). A negative CPI-U shall be counted against any subsequent increases in the CPI-U when calculating the unit prices for later option years. Contractor must provide such written request and justification no less than sixty days before the date in which City may exercise the option to renew the contract, or sixty days before the anniversary date of the Contract. Justification in support of the written request must include a description of the basis for the adjustment, the proposed effective date and reasons for said date, and the amount of the adjustment requested with documentation to support the requested change (e.g. CPI-U or 5.0%, whichever is less, or the City's Living Wage increase). City's approval of this request must be in writing.

ARTICLE IV SUSPENSION AND TERMINATION

4.1 City's Right to Suspend for Convenience. City may suspend all or any portion of Contractor's performance under this Contract at its sole option and for its convenience for a reasonable period of time not to exceed six (6) months. City must first give ten (10) days' written notice to Contractor of such suspension. City will pay to Contractor a sum equivalent to the reasonable value of the goods and/or services satisfactorily provided up to the date of suspension. City may rescind the suspension prior to or at six (6) months by providing Contractor with written notice of the rescission, at which time Contractor would be required to resume performance in compliance with the terms and provisions of this Contract. Contractor will be entitled to an extension of time to complete performance under the Contract equal to the length of the suspension unless otherwise agreed to in writing by the Parties.

4.2 City's Right to Terminate for Convenience. City may, at its sole option and for its convenience, terminate all or any portion of this Contract by giving thirty (30) days' written notice of such termination to Contractor. The termination of the Contract shall be effective upon receipt of the notice by Contractor. After termination of all or any portion of the Contract, Contractor shall: (1) immediately discontinue all affected performance (unless the notice directs otherwise); and (2) complete any and all additional work necessary for the orderly filing of

documents and closing of Contractor's affected performance under the Contract. After filing of documents and completion of performance, Contractor shall deliver to City all data, drawings, specifications, reports, estimates, summaries, and such other information and materials created or received by Contractor in performing this Contract, whether completed or in process. By accepting payment for completion, filing, and delivering documents as called for in this section, Contractor discharges City of all of City's payment obligations and liabilities under this Contract with regard to the affected performance.

4.3 City's Right to Terminate for Default. Contractor's failure to satisfactorily perform any obligation required by this Contract constitutes a default. Examples of default include a determination by City that Contractor has: (1) failed to deliver goods and/or perform the services of the required quality or within the time specified; (2) failed to perform any of the obligations of this Contract; and (3) failed to make sufficient progress in performance which may jeopardize full performance.

4.3.1 If Contractor fails to satisfactorily cure a default within ten (10) calendar days of receiving written notice from City specifying the nature of the default, City may immediately cancel and/or terminate this Contract, and terminate each and every right of Contractor, and any person claiming any rights by or through Contractor under this Contract.

4.3.2 If City terminates this Contract, in whole or in part, City may procure, upon such terms and in such manner as the Purchasing Agent may deem appropriate, equivalent goods or services and Contractor shall be liable to City for any excess costs. Contractor shall also continue performance to the extent not terminated.

4.4 Termination for Bankruptcy or Assignment for the Benefit of Creditors. If Contractor files a voluntary petition in bankruptcy, is adjudicated bankrupt, or makes a general assignment for the benefit of creditors, the City may at its option and without further notice to, or demand upon Contractor, terminate this Contract, and terminate each and every right of Contractor, and any person claiming rights by and through Contractor under this Contract.

4.5 Contractor's Right to Payment Following Contract Termination.

4.5.1 Termination for Convenience. If the termination is for the convenience of City an equitable adjustment in the Contract price shall be made. No amount shall be allowed for anticipated profit on unperformed services, and no amount shall be paid for an as needed contract beyond the Contract termination date.

4.5.2 Termination for Default. If, after City gives notice of termination for failure to fulfill Contract obligations to Contractor, it is determined that Contractor had not so failed, the termination shall be deemed to have been effected for the convenience of City. In such event, adjustment in the Contract price shall be made as provided in Section 4.3.2. City's rights and remedies are in addition to any other rights and remedies provided by law or under this Contract.

4.6 Remedies Cumulative. City's remedies are cumulative and are not intended to be exclusive of any other remedies or means of redress to which City may be lawfully entitled in case of any breach or threatened breach of any provision of this Contract.

ARTICLE V ADDITIONAL CONTRACTOR OBLIGATIONS

5.1 Inspection and Acceptance. The City will inspect and accept goods provided under this Contract at the shipment destination unless specified otherwise. Inspection will be made and acceptance will be determined by the City department shown in the shipping address of the Purchase Order or other duly authorized representative of City.

5.2 Responsibility for Lost or Damaged Shipments. Contractor bears the risk of loss or damage to goods prior to the time of their receipt and acceptance by City. City has no obligation to accept damaged shipments and reserves the right to return damaged goods, at Contractor's sole expense, even if the damage was not apparent or discovered until after receipt.

5.3 Responsibility for Damages. Contractor is responsible for all damage that occurs as a result of Contractor's fault or negligence or that of its' employees, agents, or representatives in connection with the performance of this Contract. Contractor shall immediately report any such damage to people and/or property to the Contract Administrator.

5.4 Delivery. Delivery shall be made on the delivery day specified in the Contract Documents. The City, in its sole discretion, may extend the time for delivery. The City may order, in writing, the suspension, delay or interruption of delivery of goods and/or services.

5.5 Delay. Unless otherwise specified herein, time is of the essence for each and every provision of the Contract. Contractor must immediately notify City in writing if there is, or it is anticipated that there will be, a delay in performance. The written notice must explain the cause for the delay and provide a reasonable estimate of the length of the delay. City may terminate this Contract as provided herein if City, in its sole discretion, determines the delay is material.

5.5.1 If a delay in performance is caused by any unforeseen event(s) beyond the control of the parties, City may allow Contractor to a reasonable extension of time to complete performance, but Contractor will not be entitled to damages or additional compensation. Any such extension of time must be approved in writing by City. The following conditions may constitute such a delay: war; changes in law or government regulation; labor disputes; strikes; fires, floods, adverse weather or other similar condition of the elements necessitating cessation of the performance; inability to obtain materials, equipment or labor; or other specific reasons agreed to between City and Contractor. This provision does not apply to a delay caused by Contractor's acts or omissions. Contractor is not entitled to an extension of time to perform if a delay is caused by Contractor's inability to obtain materials, equipment, or labor unless City has received, in a timely manner, documentary proof satisfactory to City of Contractor's inability to obtain materials, equipment, or labor, in which case City's approval must be in writing.

5.6 Restrictions and Regulations Requiring Contract Modification. Contractor shall immediately notify City in writing of any regulations or restrictions that may or will require Contractor to alter the material, quality, workmanship, or performance of the goods and/or services to be provided. City reserves the right to accept any such alteration, including any resulting reasonable price adjustments, or to cancel the Contract at no expense to the City.

5.7 Warranties. All goods and/or services provided under the Contract must be warranted by Contractor or manufacturer for at least twelve (12) months after acceptance by City, except automotive equipment. Automotive equipment must be warranted for a minimum of 12,000 miles or 12 months, whichever occurs first, unless otherwise stated in the Contract. Contractor is responsible to City for all warranty service, parts, and labor. Contractor is required to ensure that warranty work is performed at a facility acceptable to City and that services, parts, and labor are available and provided to meet City's schedules and deadlines. Contractor may establish a warranty service contract with an agency satisfactory to City instead of performing the warranty service itself. If Contractor is not an authorized service center and causes any damage to equipment being serviced, which results in the existing warranty being voided, Contractor will be liable for all costs of repairs to the equipment, or the costs of replacing the equipment with new equipment that meets City's operational needs.

5.8 Industry Standards. Contractor shall provide goods and/or services acceptable to City in strict conformance with the Contract. Contractor shall also provide goods and/or services in accordance with the standards customarily adhered to by an experienced and competent provider of the goods and/or services called for under this Contract using the degree of care and skill ordinarily exercised by reputable providers of such goods and/or services. Where approval by City, the Mayor, or other representative of City is required, it is understood to be general approval only and does not relieve Contractor of responsibility for complying with all applicable laws, codes, policies, regulations, and good business practices.

5.9 Records Retention and Examination. Contractor shall retain, protect, and maintain in an accessible location all records and documents, including paper, electronic, and computer records, relating to this Contract for five (5) years after receipt of final payment by City under this Contract. Contractor shall make all such records and documents available for inspection, copying, or other reproduction, and auditing by authorized representatives of City, including the Purchasing Agent or designee. Contractor shall make available all requested data and records at reasonable locations within City or County of San Diego at any time during normal business hours, and as often as City deems necessary. If records are not made available within the City or County of San Diego, Contractor shall pay City's travel costs to the location where the records are maintained and shall pay for all related travel expenses. Failure to make requested records available for inspection, copying, or other reproduction, or auditing by the date requested may result in termination of the Contract. Contractor must include this provision in all subcontracts made in connection with this Contract.

5.9.1 Contractor shall maintain records of all subcontracts entered into with all firms, all project invoices received from Subcontractors and Suppliers, all purchases of materials and services from Suppliers, and all joint venture participation. Records shall show name, telephone number including area code, and business address of each Subcontractor and Supplier, and joint venture partner, and the total amount actually paid to each firm. Project relevant records, regardless of tier, may be periodically reviewed by the City.

5.10 Quality Assurance Meetings. Upon City's request, Contractor shall schedule one or more quality assurance meetings with City's Contract Administrator to discuss Contractor's performance. If requested, Contractor shall schedule the first quality assurance meeting no later than eight (8) weeks from the date of commencement of work under the Contract. At the quality assurance meeting(s), City's Contract Administrator will provide Contractor with feedback, will note any deficiencies in Contract performance, and provide Contractor with an opportunity to address and correct such deficiencies. The total number of quality assurance meetings that may be required by City will depend upon Contractor's performance.

5.11 Duty to Cooperate with Auditor. The City Auditor may, in his sole discretion, at no cost to the City, and for purposes of performing his responsibilities under Charter section 39.2, review Contractor's records to confirm contract compliance. Contractor shall make reasonable efforts to cooperate with Auditor's requests.

5.12 Safety Data Sheets. If specified by City in the solicitation or otherwise required by this Contract, Contractor must send with each shipment one (1) copy of the Safety Data Sheet (SDS) for each item shipped. Failure to comply with this procedure will be cause for immediate termination of the Contract for violation of safety procedures.

5.13 Project Personnel. Except as formally approved by the City, the key personnel identified in Contractor's bid or proposal shall be the individuals who will actually complete the work. Changes in staffing must be reported in writing and approved by the City.

5.13.1 Criminal Background Certification. Contractor certifies that all employees working on this Contract have had a criminal background check and that said employees are clear of any sexual and drug related convictions. Contractor further certifies that all employees hired by Contractor or a subcontractor shall be free from any felony convictions.

5.13.2 Photo Identification Badge. Contractor shall provide a company photo identification badge to any individual assigned by Contractor or subcontractor to perform services or deliver goods on City premises. Such badge must be worn at all times while on City premises. City reserves the right to require Contractor to pay fingerprinting fees for personnel assigned to work in sensitive areas. All employees shall turn in their photo identification badges to Contractor upon completion of services and prior to final payment of invoice.

5.14 Standards of Conduct. Contractor is responsible for maintaining standards of employee competence, conduct, courtesy, appearance, honesty, and integrity satisfactory to the City.

5.14.1 Supervision. Contractor shall provide adequate and competent supervision at all times during the Contract term. Contractor shall be readily available to meet with the City. Contractor shall provide the telephone numbers where its representative(s) can be reached.

5.14.2 City Premises. Contractor's employees and agents shall comply with all City rules and regulations while on City premises.

5.14.3 Removal of Employees. City may request Contractor immediately remove from assignment to the City any employee found unfit to perform duties at the City. Contractor shall comply with all such requests.

5.15 Licenses and Permits. Contractor shall, without additional expense to the City, be responsible for obtaining any necessary licenses, permits, certifications, accreditations, fees and approvals for complying with any federal, state, county, municipal, and other laws, codes, and regulations applicable to Contract performance. This includes, but is not limited to, any laws or regulations requiring the use of licensed contractors to perform parts of the work.

5.16 Contractor and Subcontractor Registration Requirements. Prior to the award of the Contract or Task Order, Contractor and Contractor's subcontractors and suppliers must register with the City's web-based vendor registration and bid management system. The City may not award the Contract until registration of all subcontractors and suppliers is complete. In the event this requirement is not met within the time frame specified by the City, the City reserves the right to rescind the Contract award and to make the award to the next responsive and responsible proposer of bidder.

ARTICLE VI INTELLECTUAL PROPERTY RIGHTS

6.1 Rights in Data. If, in connection with the services performed under this Contract, Contractor or its employees, agents, or subcontractors, create artwork, audio recordings, blueprints, designs, diagrams, documentation, photographs, plans, reports, software, source code, specifications, surveys, system designs, video recordings, or any other original works of authorship, whether written or readable by machine (Deliverable Materials), all rights of Contractor or its subcontractors in the Deliverable Materials, including, but not limited to publication, and registration of copyrights, and trademarks in the Deliverable Materials, are the sole property of City. Contractor, including its employees, agents, and subcontractors, may not use any Deliverable Material for purposes unrelated to Contractor's work on behalf of the City without prior written consent of City. Contractor may not publish or reproduce any Deliverable Materials, for purposes unrelated to Contractor's work on behalf of the City, without the prior written consent of the City.

6.2 Intellectual Property Rights Assignment. For no additional compensation, Contractor hereby assigns to City all of Contractor's rights, title, and interest in and to the content of the Deliverable Materials created by Contractor or its employees, agents, or subcontractors, including copyrights, in connection with the services performed under this Contract. Contractor

shall promptly execute and deliver, and shall cause its employees, agents, and subcontractors to promptly execute and deliver, upon request by the City or any of its successors or assigns at any time and without further compensation of any kind, any power of attorney, assignment, application for copyright, patent, trademark or other intellectual property right protection, or other papers or instruments which may be necessary or desirable to fully secure, perfect or otherwise protect to or for the City, its successors and assigns, all right, title and interest in and to the content of the Deliverable Materials. Contractor also shall cooperate and assist in the prosecution of any action or opposition proceeding involving such intellectual property rights and any adjudication of those rights.

6.3 Contractor Works. Contractor Works means tangible and intangible information and material that: (a) had already been conceived, invented, created, developed or acquired by Contractor prior to the effective date of this Contract; or (b) were conceived, invented, created, or developed by Contractor after the effective date of this Contract, but only to the extent such information and material do not constitute part or all of the Deliverable Materials called for in this Contract. All Contractor Works, and all modifications or derivatives of such Contractor Works, including all intellectual property rights in or pertaining to the same, shall be owned solely and exclusively by Contractor.

6.4 Subcontracting. In the event that Contractor utilizes a subcontractor(s) for any portion of the work that comprises the whole or part of the specified Deliverable Materials to the City, the agreement between Contractor and the subcontractor shall include a statement that identifies the Deliverable Materials as a “works for hire” as described in the United States Copyright Act of 1976, as amended, and that all intellectual property rights in the Deliverable Materials, whether arising in copyright, trademark, service mark or other forms of intellectual property rights, belong to and shall vest solely with the City. Further, the agreement between Contractor and its subcontractor shall require that the subcontractor, if necessary, shall grant, transfer, sell and assign, free of charge, exclusively to City, all titles, rights and interests in and to the Deliverable Materials, including all copyrights, trademarks and other intellectual property rights. City shall have the right to review any such agreement for compliance with this provision.

6.5 Intellectual Property Warranty and Indemnification. Contractor represents and warrants that any materials or deliverables, including all Deliverable Materials, provided under this Contract are either original, or not encumbered, and do not infringe upon the copyright, trademark, patent or other intellectual property rights of any third party, or are in the public domain. If Deliverable Materials provided hereunder become the subject of a claim, suit or allegation of copyright, trademark or patent infringement, City shall have the right, in its sole discretion, to require Contractor to produce, at Contractor’s own expense, new non-infringing materials, deliverables or works as a means of remedying any claim of infringement in addition to any other remedy available to the City under law or equity. Contractor further agrees to indemnify, defend, and hold harmless the City, its officers, employees and agents from and against any and all claims, actions, costs, judgments or damages, of any type, alleging or threatening that any Deliverable Materials, supplies, equipment, services or works provided under this contract infringe the copyright, trademark, patent or other intellectual property or proprietary rights of any third party (Third Party Claim of Infringement). If a Third Party Claim

of Infringement is threatened or made before Contractor receives payment under this Contract, City shall be entitled, upon written notice to Contractor, to withhold some or all of such payment.

6.6 Software Licensing. Contractor represents and warrants that the software, if any, as delivered to City, does not contain any program code, virus, worm, trap door, back door, time or clock that would erase data or programming or otherwise cause the software to become inoperable, inaccessible, or incapable of being used in accordance with its user manuals, either automatically, upon the occurrence of licensor-selected conditions or manually on command. Contractor further represents and warrants that all third party software, delivered to City or used by Contractor in the performance of the Contract, is fully licensed by the appropriate licensor.

6.7 Publication. Contractor may not publish or reproduce any Deliverable Materials, for purposes unrelated to Contractor's work on behalf of the City without prior written consent from the City.

6.8 Royalties, Licenses, and Patents. Unless otherwise specified, Contractor shall pay all royalties, license, and patent fees associated with the goods that are the subject of this solicitation. Contractor warrants that the goods, materials, supplies, and equipment to be supplied do not infringe upon any patent, trademark, or copyright, and further agrees to defend any and all suits, actions and claims for infringement that are brought against the City, and to defend, indemnify and hold harmless the City, its elected officials, officers, and employees from all liability, loss and damages, whether general, exemplary or punitive, suffered as a result of any actual or claimed infringement asserted against the City, Contractor, or those furnishing goods, materials, supplies, or equipment to Contractor under the Contract.

ARTICLE VII INDEMNIFICATION AND INSURANCE

7.1 Indemnification. To the fullest extent permitted by law, Contractor shall defend (with legal counsel reasonably acceptable to City), indemnify, protect, and hold harmless City and its elected officials, officers, employees, agents, and representatives (Indemnified Parties) from and against any and all claims, losses, costs, damages, injuries (including, without limitation, injury to or death of an employee of Contractor or its subcontractors), expense, and liability of every kind, nature and description (including, without limitation, incidental and consequential damages, court costs, and litigation expenses and fees of expert consultants or expert witnesses incurred in connection therewith and costs of investigation) that arise out of, pertain to, or relate to, directly or indirectly, in whole or in part, any goods provided or performance of services under this Contract by Contractor, any subcontractor, anyone directly or indirectly employed by either of them, or anyone that either of them control. Contractor's duty to defend, indemnify, protect and hold harmless shall not include any claims or liabilities arising from the sole negligence or willful misconduct of the Indemnified Parties.

7.2 Insurance. Contractor shall procure and maintain for the duration of the contract insurance against claims for injuries to persons or damages to property which may arise from or

in connection with the performance of the work hereunder and the results of that work by Contractor, his agents, representatives, employees or subcontractors.

Contractor shall provide, at a minimum, the following:

7.2.1 Commercial General Liability. Insurance Services Office Form CG 00 01 covering CGL on an “occurrence” basis, including products and completed operations, property damage, bodily injury, and personal and advertising injury with limits no less than \$1,000,000 per occurrence. If a general aggregate limit applies, either the general aggregate limit shall apply separately to this project/location (ISO CG 25 03 or 25 04) or the general aggregate limit shall be twice the required occurrence limit.

7.2.2 Commercial Automobile Liability. Insurance Services Office Form Number CA 0001 covering Code 1 (any auto) or, if Contractor has no owned autos, Code 8 (hired) and 9 (non-owned), with limit no less than \$1,000,000 per accident for bodily injury and property damage.

7.2.3 Workers' Compensation. Insurance as required by the State of California, with Statutory Limits, and Employer’s Liability Insurance with limit of no less than \$1,000,000 per accident for bodily injury or disease.

7.2.4 Professional Liability (Errors and Omissions). For consultant contracts, insurance appropriate to Consultant’s profession, with limit no less than \$1,000,000 per occurrence or claim, \$2,000,000 aggregate.

If Contractor maintains broader coverage and/or higher limits than the minimums shown above, City requires and shall be entitled to the broader coverage and/or the higher limits maintained by Contractor. Any available insurance proceeds in excess of the specified minimum limits of insurance and coverage shall be available to City.

7.2.5 Other Insurance Provisions. The insurance policies are to contain, or be endorsed to contain, the following provisions:

7.2.5.1 Additional Insured Status. The City, its officers, officials, employees, and volunteers are to be covered as additional insureds on the CGL policy with respect to liability arising out of work or operations performed by or on behalf of Contractor including materials, parts, or equipment furnished in connection with such work or operations. General liability coverage can be provided in the form of an endorsement to Contractor’s insurance (at least as broad as ISO Form CG 20 10 11 85 or if not available, through the addition of both CG 20 10, CG 20 26, CG 20 33, or CG 20 38; and CG 20 37 if a later edition is used).

7.2.5.2 Primary Coverage. For any claims related to this contract, Contractor's insurance coverage shall be primary coverage at least as broad as ISO CG 20 01 04 13 as respects the City, its officers, officials, employees, and volunteers. Any insurance or self-insurance maintained by City, its officers, officials, employees, or volunteers shall be excess of Contractor's insurance and shall not contribute with it.

7.2.5.3 Notice of Cancellation. Each insurance policy required above shall provide that coverage shall not be canceled, except with notice to City.

7.2.5.4 Waiver of Subrogation. Contractor hereby grants to City a waiver of any right to subrogation which the Workers' Compensation insurer of said Contractor may acquire against City by virtue of the payment of any loss under such insurance. Contractor agrees to obtain any endorsement that may be necessary to affect this waiver of subrogation, but this provision applies regardless of whether or not the City has received a waiver of subrogation endorsement from the insurer.

7.2.5.5 Claims Made Policies (applicable only to professional liability). The Retroactive Date must be shown, and must be before the date of the contract or the beginning of contract work. Insurance must be maintained and evidence of insurance must be provided for at least five (5) years after completion of the contract of work. If coverage is canceled or non-renewed, and not replaced with another claims-made policy form with a Retroactive Date prior to the contract effective date, Contractor must purchase "extended reporting" coverage for a minimum of five (5) years after completion of work.

7.3 Self Insured Retentions. Self-insured retentions must be declared to and approved by City. City may require Contractor to purchase coverage with a lower retention or provide proof of ability to pay losses and related investigations, claim administration, and defense expenses within the retention. The policy language shall provide, or be endorsed to provide, that the self-insured retention may be satisfied by either the named insured or City.

7.4 Acceptability of Insurers. Insurance is to be placed with insurers with a current A.M. Best's rating of no less than A-VI, unless otherwise acceptable to City.

City will accept insurance provided by non-admitted, "surplus lines" carriers only if the carrier is authorized to do business in the State of California and is included on the List of Approved Surplus Lines Insurers (LASLI list). All policies of insurance carried by non-admitted carriers are subject to all of the requirements for policies of insurance provided by admitted carriers described herein.

7.5 Verification of Coverage. Contractor shall furnish City with original certificates and amendatory endorsements or copies of the applicable policy language effecting coverage required by this clause. All certificates and endorsements are to be received and approved by City before work commences. However, failure to obtain the required documents prior to the work beginning shall not waive Contractor's obligation to provide them. City reserves the right to require complete, certified copies of all required insurance policies, including endorsements required by these specifications, at any time.

7.6 Special Risks or Circumstances. City reserves the right to modify these requirements, including limits, based on the nature of the risk, prior experience, insurer, coverage, or other special circumstances.

7.7 Additional Insurance. Contractor may obtain additional insurance not required by this Contract.

7.8 Excess Insurance. All policies providing excess coverage to City shall follow the form of the primary policy or policies including but not limited to all endorsements.

7.9 Subcontractors. Contractor shall require and verify that all subcontractors maintain insurance meeting all the requirements stated herein, and Contractor shall ensure that City is an additional insured on insurance required from subcontractors. For CGL coverage, subcontractors shall provide coverage with a format at least as broad as the CG 20 38 04 13 endorsement.

ARTICLE VIII BONDS

8.1 Payment and Performance Bond. Prior to the execution of this Contract, City may require Contractor to post a payment and performance bond (Bond). The Bond shall guarantee Contractor's faithful performance of this Contract and assure payment to contractors, subcontractors, and to persons furnishing goods and/or services under this Contract.

8.1.1 Bond Amount. The Bond shall be in a sum equal to twenty-five percent (25%) of the Contract amount, unless otherwise stated in the Specifications. City may file a claim against the Bond if Contractor fails or refuses to fulfill the terms and provisions of the Contract.

8.1.2 Bond Term. The Bond shall remain in full force and effect at least until complete performance of this Contract and payment of all claims for materials and labor, at which time it will convert to a ten percent (10%) warranty bond, which shall remain in place until the end of the warranty periods set forth in this Contract. The Bond shall be renewed annually, at least sixty (60) days in advance of its expiration, and Contractor shall provide timely proof of annual renewal to City.

8.1.3 Bond Surety. The Bond must be furnished by a company authorized by the State of California Department of Insurance to transact surety business in the State of California and which has a current A.M. Best rating of at least "A-, VIII."

8.1.4 Non-Renewal or Cancellation. The Bond must provide that City and Contractor shall be provided with sixty (60) days' advance written notice in the event of non-renewal, cancellation, or material change to its terms. In the event of non-renewal, cancellation, or material change to the Bond terms, Contractor shall provide City with evidence of the new source of surety within twenty-one (21) calendar days after the date of the notice of non-renewal, cancellation, or material change. Failure to maintain the Bond, as required herein, in full force

and effect as required under this Contract, will be a material breach of the Contract subject to termination of the Contract.

8.2 Alternate Security. City may, at its sole discretion, accept alternate security in the form of an endorsed certificate of deposit, a money order, a certified check drawn on a solvent bank, or other security acceptable to the Purchasing Agent in an amount equal to the required Bond.

ARTICLE IX CITY-MANDATED CLAUSES AND REQUIREMENTS

9.1 Contractor Certification of Compliance. By signing this Contract, Contractor certifies that Contractor is aware of, and will comply with, these City-mandated clauses throughout the duration of the Contract.

9.1.1 Drug-Free Workplace Certification. Contractor shall comply with City's Drug-Free Workplace requirements set forth in Council Policy 100-17, which is incorporated into the Contract by this reference.

9.1.2 Contractor Certification for Americans with Disabilities Act (ADA) and State Access Laws and Regulations: Contractor shall comply with all accessibility requirements under the ADA and under Title 24 of the California Code of Regulations (Title 24). When a conflict exists between the ADA and Title 24, Contractor shall comply with the most restrictive requirement (i.e., that which provides the most access). Contractor also shall comply with the City's ADA Compliance/City Contractors requirements as set forth in Council Policy 100-04, which is incorporated into this Contract by reference. Contractor warrants and certifies compliance with all federal and state access laws and regulations and further certifies that any subcontract agreement for this contract contains language which indicates the subcontractor's agreement to abide by the provisions of the City's Council Policy and any applicable access laws and regulations.

9.1.3 Non-Discrimination Requirements.

9.1.3.1 Compliance with City's Equal Opportunity Contracting Program (EOCP). Contractor shall comply with City's EOCP Requirements. Contractor shall not discriminate against any employee or applicant for employment on any basis prohibited by law. Contractor shall provide equal opportunity in all employment practices. Prime Contractors shall ensure that their subcontractors comply with this program. Nothing in this Section shall be interpreted to hold a Prime Contractor liable for any discriminatory practice of its subcontractors.

9.1.3.2 Non-Discrimination Ordinance. Contractor shall not discriminate on the basis of race, gender, gender expression, gender identity, religion, national origin, ethnicity, sexual orientation, age, or disability in the solicitation, selection, hiring or treatment of subcontractors, vendors or suppliers. Contractor shall provide equal opportunity for subcontractors to participate in subcontracting opportunities. Contractor understands and agrees that violation of this clause shall be considered a material breach of the Contract and may result

in Contract termination, debarment, or other sanctions. Contractor shall ensure that this language is included in contracts between Contractor and any subcontractors, vendors and suppliers.

9.1.3.3 Compliance Investigations. Upon City's request, Contractor agrees to provide to City, within sixty calendar days, a truthful and complete list of the names of all subcontractors, vendors, and suppliers that Contractor has used in the past five years on any of its contracts that were undertaken within San Diego County, including the total dollar amount paid by Contractor for each subcontract or supply contract. Contractor further agrees to fully cooperate in any investigation conducted by City pursuant to City's Nondiscrimination in Contracting Ordinance. Contractor understands and agrees that violation of this clause shall be considered a material breach of the Contract and may result in Contract termination, debarment, and other sanctions.

9.1.4 Equal Benefits Ordinance Certification. Unless an exception applies, Contractor shall comply with the Equal Benefits Ordinance (EBO) codified in the San Diego Municipal Code (SDMC). Failure to maintain equal benefits is a material breach of the Contract.

9.1.5 Contractor Standards. Contractor shall comply with Contractor Standards provisions codified in the SDMC. Contractor understands and agrees that violation of Contractor Standards may be considered a material breach of the Contract and may result in Contract termination, debarment, and other sanctions.

9.1.6 Noise Abatement. Contractor shall operate, conduct, or construct without violating the City's Noise Abatement Ordinance codified in the SDMC.

9.1.7 Storm Water Pollution Prevention Program. Contractor shall comply with the City's Storm Water Management and Discharge Control provisions codified in Division 3 of Chapter 4 of the SDMC, as may be amended, and any and all applicable Best Management Practice guidelines and pollution elimination requirements in performing or delivering services at City owned, leased, or managed property, or in performance of services and activities on behalf of City regardless of location.

Contractor shall comply with the City's Jurisdictional Urban Runoff Management Plan encompassing Citywide programs and activities designed to prevent and reduce storm water pollution within City boundaries as adopted by the City Council on January 22, 2008, via Resolution No. 303351, as may be amended.

Contractor shall comply with each City facility or work site's Storm Water Pollution Prevention Plan, as applicable, and institute all controls needed while completing the services to minimize any negative impact to the storm water collection system and environment.

9.1.8 Service Worker Retention Ordinance. If applicable, Contractor shall comply with the Service Worker Retention Ordinance (SWRO) codified in the SDMC.

9.1.9 Product Endorsement. Contractor shall comply with Council Policy 000-41 which requires that other than listing the City as a client and other limited endorsements, any advertisements, social media, promotions or other marketing referring to the City as a user of a product or service will require prior written approval of the Mayor or designee. Use of the City Seal or City logos is prohibited.

9.1.10 Business Tax Certificate. Unless the City Treasurer determines in writing that a contractor is exempt from the payment of business tax, any contractor doing business with the City of San Diego is required to obtain a Business Tax Certificate (BTC) and to provide a copy of its BTC to the City before a Contract is executed.

9.1.11 Equal Pay Ordinance. Unless an exception applies, Contractor shall comply with the Equal Pay Ordinance codified in San Diego Municipal Code sections 22.4801 through 22.4809. Contractor shall certify in writing that it will comply with the requirements of the EPO.

9.1.11.1 Contractor and Subcontract Requirement. The Equal Pay Ordinance applies to any subcontractor who performs work on behalf of a Contractor to the same extent as it would apply to that Contractor. Any Contractor subject to the Equal Pay Ordinance shall require all of its subcontractors to certify compliance with the Equal Pay Ordinance in its written subcontracts.

ARTICLE X CONFLICT OF INTEREST AND VIOLATIONS OF LAW

10.1 Conflict of Interest Laws. Contractor is subject to all federal, state and local conflict of interest laws, regulations, and policies applicable to public contracts and procurement practices including, but not limited to, California Government Code sections 1090, *et. seq.* and 81000, *et. seq.*, and the Ethics Ordinance, codified in the SDMC. City may determine that Contractor must complete one or more statements of economic interest disclosing relevant financial interests. Upon City's request, Contractor shall submit the necessary documents to City.

10.2 Contractor's Responsibility for Employees and Agents. Contractor is required to establish and make known to its employees and agents appropriate safeguards to prohibit employees from using their positions for a purpose that is, or that gives the appearance of being, motivated by the desire for private gain for themselves or others, particularly those with whom they have family, business or other relationships.

10.3 Contractor's Financial or Organizational Interests. In connection with any task, Contractor shall not recommend or specify any product, supplier, or contractor with whom Contractor has a direct or indirect financial or organizational interest or relationship that would violate conflict of interest laws, regulations, or policies.

10.4 Certification of Non-Collusion. Contractor certifies that: (1) Contractor's bid or proposal was not made in the interest of or on behalf of any person, firm, or corporation not identified; (2) Contractor did not directly or indirectly induce or solicit any other bidder or proposer to put in a sham bid or proposal; (3) Contractor did not directly or indirectly induce or

solicit any other person, firm or corporation to refrain from bidding; and (4) Contractor did not seek by collusion to secure any advantage over the other bidders or proposers.

10.5 Hiring City Employees. This Contract shall be unilaterally and immediately terminated by City if Contractor employs an individual who within the twelve (12) months immediately preceding such employment did in his/her capacity as a City officer or employee participate in negotiations with or otherwise have an influence on the selection of Contractor.

ARTICLE XI DISPUTE RESOLUTION

11.1 Mediation. If a dispute arises out of or relates to this Contract and cannot be settled through normal contract negotiations, Contractor and City shall use mandatory non-binding mediation before having recourse in a court of law.

11.2 Selection of Mediator. A single mediator that is acceptable to both parties shall be used to mediate the dispute. The mediator will be knowledgeable in the subject matter of this Contract, if possible.

11.3 Expenses. The expenses of witnesses for either side shall be paid by the party producing such witnesses. All other expenses of the mediation, including required traveling and other expenses of the mediator, and the cost of any proofs or expert advice produced at the direct request of the mediator, shall be borne equally by the parties, unless they agree otherwise.

11.4 Conduct of Mediation Sessions. Mediation hearings will be conducted in an informal manner and discovery will not be allowed. The discussions, statements, writings and admissions will be confidential to the proceedings (pursuant to California Evidence Code sections 1115 through 1128) and will not be used for any other purpose unless otherwise agreed by the parties in writing. The parties may agree to exchange any information they deem necessary. Both parties shall have a representative attend the mediation who is authorized to settle the dispute, though City's recommendation of settlement may be subject to the approval of the Mayor and City Council. Either party may have attorneys, witnesses or experts present.

11.5 Mediation Results. Any agreements resulting from mediation shall be memorialized in writing. The results of the mediation shall not be final or binding unless otherwise agreed to in writing by the parties. Mediators shall not be subject to any subpoena or liability, and their actions shall not be subject to discovery.

ARTICLE XII MANDATORY ASSISTANCE

12.1 Mandatory Assistance. If a third party dispute or litigation, or both, arises out of, or relates in any way to the services provided to the City under a Contract, Contractor, its agents, officers, and employees agree to assist in resolving the dispute or litigation upon City's request. Contractor's assistance includes, but is not limited to, providing professional consultations,

attending mediations, arbitrations, depositions, trials or any event related to the dispute resolution and/or litigation.

12.2 Compensation for Mandatory Assistance. City will compensate Contractor for fees incurred for providing Mandatory Assistance. If, however, the fees incurred for the Mandatory Assistance are determined, through resolution of the third party dispute or litigation, or both, to be attributable in whole, or in part, to the acts or omissions of Contractor, its agents, officers, and employees, Contractor shall reimburse City for all fees paid to Contractor, its agents, officers, and employees for Mandatory Assistance.

12.3 Attorneys' Fees Related to Mandatory Assistance. In providing City with dispute or litigation assistance, Contractor or its agents, officers, and employees may incur expenses and/or costs. Contractor agrees that any attorney fees it may incur as a result of assistance provided under Section 12.2 are not reimbursable.

ARTICLE XIII MISCELLANEOUS

13.1 Headings. All headings are for convenience only and shall not affect the interpretation of this Contract.

13.2 Non-Assignment. Contractor may not assign the obligations under this Contract, whether by express assignment or by sale of the company, nor any monies due or to become due under this Contract, without City's prior written approval. Any assignment in violation of this paragraph shall constitute a default and is grounds for termination of this Contract at the City's sole discretion. In no event shall any putative assignment create a contractual relationship between City and any putative assignee.

13.3 Independent Contractors. Contractor and any subcontractors employed by Contractor are independent contractors and not agents of City. Any provisions of this Contract that may appear to give City any right to direct Contractor concerning the details of performing or providing the goods and/or services, or to exercise any control over performance of the Contract, shall mean only that Contractor shall follow the direction of City concerning the end results of the performance.

13.4 Subcontractors. All persons assigned to perform any work related to this Contract, including any subcontractors, are deemed to be employees of Contractor, and Contractor shall be directly responsible for their work.

13.5 Covenants and Conditions. All provisions of this Contract expressed as either covenants or conditions on the part of City or Contractor shall be deemed to be both covenants and conditions.

13.6 Compliance with Controlling Law. Contractor shall comply with all applicable local, state, and federal laws, regulations, and policies. Contractor's act or omission in violation of applicable local, state, and federal laws, regulations, and policies is grounds for contract

termination. In addition to all other remedies or damages allowed by law, Contractor is liable to City for all damages, including costs for substitute performance, sustained as a result of the violation. In addition, Contractor may be subject to suspension, debarment, or both.

13.7 Governing Law. The Contract shall be deemed to be made under, construed in accordance with, and governed by the laws of the State of California without regard to the conflicts or choice of law provisions thereof.

13.8 Venue. The venue for any suit concerning solicitations or the Contract, the interpretation of application of any of its terms and conditions, or any related disputes shall be in the County of San Diego, State of California.

13.9 Successors in Interest. This Contract and all rights and obligations created by this Contract shall be in force and effect whether or not any parties to the Contract have been succeeded by another entity, and all rights and obligations created by this Contract shall be vested and binding on any party's successor in interest.

13.10 No Waiver. No failure of either City or Contractor to insist upon the strict performance by the other of any covenant, term or condition of this Contract, nor any failure to exercise any right or remedy consequent upon a breach of any covenant, term, or condition of this Contract, shall constitute a waiver of any such breach of such covenant, term or condition. No waiver of any breach shall affect or alter this Contract, and each and every covenant, condition, and term hereof shall continue in full force and effect without respect to any existing or subsequent breach.

13.11 Severability. The unenforceability, invalidity, or illegality of any provision of this Contract shall not render any other provision of this Contract unenforceable, invalid, or illegal.

13.12 Drafting Ambiguities. The parties acknowledge that they have the right to be advised by legal counsel with respect to the negotiations, terms and conditions of this Contract, and the decision of whether to seek advice of legal counsel with respect to this Contract is the sole responsibility of each party. This Contract shall not be construed in favor of or against either party by reason of the extent to which each party participated in the drafting of the Contract.

13.13 Amendments. Neither this Contract nor any provision hereof may be changed, modified, amended or waived except by a written agreement executed by duly authorized representatives of City and Contractor. Any alleged oral amendments have no force or effect. The Purchasing Agent must sign all Contract amendments.

13.14 Conflicts Between Terms. If this Contract conflicts with an applicable local, state, or federal law, regulation, or court order, applicable local, state, or federal law, regulation, or court order shall control. Varying degrees of stringency among the main body of this Contract, the exhibits or attachments, and laws, regulations, or orders are not deemed conflicts, and the most stringent requirement shall control. Each party shall notify the other immediately upon the identification of any apparent conflict or inconsistency concerning this Contract.

13.15 Survival of Obligations. All representations, indemnifications, warranties, and guarantees made in, required by, or given in accordance with this Contract, as well as all continuing obligations indicated in this Contract, shall survive, completion and acceptance of performance and termination, expiration or completion of the Contract.

13.16 Confidentiality of Services. All services performed by Contractor, and any sub-contractor(s) if applicable, including but not limited to all drafts, data, information, correspondence, proposals, reports of any nature, estimates compiled or composed by Contractor, are for the sole use of City, its agents, and employees. Neither the documents nor their contents shall be released by Contractor or any subcontractor to any third party without the prior written consent of City. This provision does not apply to information that: (1) was publicly known, or otherwise known to Contractor, at the time it was disclosed to Contractor by City; (2) subsequently becomes publicly known through no act or omission of Contractor; or (3) otherwise becomes known to Contractor other than through disclosure by City.

13.17 Insolvency. If Contractor enters into proceedings relating to bankruptcy, whether voluntary or involuntary, Contractor agrees to furnish, by certified mail or electronic commerce method authorized by the Contract, written notification of the bankruptcy to the Purchasing Agent and the Contract Administrator responsible for administering the Contract. This notification shall be furnished within five (5) days of the initiation of the proceedings relating to bankruptcy filing. This notification shall include the date on which the bankruptcy petition was filed, the identity of the court in which the bankruptcy petition was filed, and a listing of City contract numbers and contracting offices for all City contracts against which final payment has not been made. This obligation remains in effect until final payment is made under this Contract.

13.18 No Third Party Beneficiaries. Except as may be specifically set forth in this Contract, none of the provisions of this Contract are intended to benefit any third party not specifically referenced herein. No party other than City and Contractor shall have the right to enforce any of the provisions of this Contract.

13.19 Actions of City in its Governmental Capacity. Nothing in this Contract shall be interpreted as limiting the rights and obligations of City in its governmental or regulatory capacity.

EXHIBIT D

WAGE REQUIREMENTS: SERVICE AND MAINTENANCE CONTRACTS EXECUTED ON OR AFTER JANUARY 1, 2015

By signing this Contract, Bidder certifies that he or she is aware of the wage provisions described herein and shall comply with such provisions before commencing services.

B. Living Wages. This Contract is subject to the City's Living Wage Ordinance (LWO), codified in San Diego Municipal Code Chapter 2, Article 2, Division 42. Bidder agrees to require all of its subcontractors, sublessees, and concessionaires subject to the LWO to comply with the LWO and all applicable regulations and rules.

1. Payment of Living Wages. Pursuant to San Diego Municipal Code section 22.4220(a), Bidder and its subcontractors shall ensure that all workers who perform work under this Contract are paid not less than the required minimum hourly wage rates and health benefits rate unless an exemption applies.

1.1 Copies of such living wage rates are available on the City website at <https://www.sandiego.gov/purchasing/programs/livingwage/>. Bidder and its subcontractors shall post a notice informing workers of their rights at each job site or a site frequently accessed by covered employees in a prominent and accessible place in accordance with San Diego Municipal Code section 22.4225(e).

1.2 LWO wage and health benefit rates are adjusted annually in accordance with San Diego Municipal Code section 22.4220(b) to reflect the Consumer Price Index. Service contracts, financial assistance agreements, and City facilities agreements must include this upward adjustment of wage rates to covered employees on July 1 of each year.

2. Compensated Leave. Pursuant to San Diego Municipal Code section 22.4220(c), Bidder and its subcontractors shall provide a minimum of eighty (80) hours per year of compensated leave. Part-time employees must accrue compensated leave at a rate proportional to full-time employees.

3. Uncompensated Leave. Bidder and its subcontractors must also permit workers to take a minimum of eighty (80) hours of uncompensated leave per year to be used for the illness of the worker or a member of his or her immediate family when the worker has exhausted all accrued compensated leave.

4. Enforcement and Remedies. City will take any one or more of the actions listed in San Diego Municipal Code section 22.4230 should Bidder or its subcontractors are found to be in violation of any of the provisions of the LWO.

5. Payroll Records. Bidder and its subcontractors shall submit weekly certified payroll records online via the City's web-based Labor Compliance Program. Bidder is responsible for ensuring its subcontractors submit certified payroll records to the City.

5.1 For contracts subject to both living wage and prevailing wage requirements, only one submittal will be required. Submittals by a Bidder and all subcontractors must comply with both ordinance requirements.

6. Certification of Compliance. San Diego Municipal Code section 22.4225 requires each Bidder to fill out and file a living wage certification with the Living Wage Program Manager within thirty (30) days of Award of the Contract.

7. Annual Compliance Report. Bidder and its subcontractors must file an annual report documenting compliance with the LWO pursuant to San Diego Municipal Code section 22.4225(d). Records documenting compliance must be maintained for a minimum of three (3) years after the City's final payment on the service contract or agreement.

8. Exemption from Living Wage Ordinance. Pursuant to San Diego Municipal Code section 22.4215, this Contract may be exempt from the LWO. For a determination on this exemption, Bidder must complete the Living Wage Ordinance Application for Exemption.

DEPARTMENT OF INDUSTRIAL RELATIONS
Division of Labor Standards Enforcement
Licensing & Registration Unit
1515 Clay Street, Suite 1902
Oakland, CA 94612
Tel: (510) 879-8333 Fax: (510) 286-1366

MAILING ADDRESS:
P. O. Box 420603
San Francisco, CA 94142-0603



Registration Services
Division of Labor Standards Enforcement

August 2019

NOTICE

Update to Janitorial Employer Registration Law

All janitorial employers, with or without employees, must register with the Labor Commissioner's Office

All janitorial employers in California must now register with the Labor Commissioner's Office. Any person or business entity with any of the following conditions must register:

- Any person or entity that employs at least one janitorial worker, which could be as an employee, an independent contractor, or a franchisee.
- Any person or entity that has no janitorial workers but enters into a contract, subcontract, or franchise agreement for the provision of janitorial services.

To register:

- Gather the [required documents](#).
- Complete the new application or renew your existing registration [online](#) or by [mail](#).

The update to [the Property Service Workers Protection Act](#), effective June 27, 2019, expanded the definition of janitorial employer to include any person or entity that provides or engages to provide janitorial services, even if they have no employees.

Please note: Proof of valid workers' compensation coverage or proof of exemption from the requirement to maintain workers' compensation coverage is required for registration. Janitorial employers with no employees may be exempt from the requirement to maintain valid workers' compensation coverage and must provide proof of this exemption.

The law defines janitorial employers as:

Any person or entity that employs at least one covered worker or otherwise engages by contract, subcontract, or franchise agreement for the provision of janitorial services by one or more covered workers. The term "employer" includes the term "covered successor employer," but does not include an entity that is the recipient of the janitorial services.

A covered worker is any individual working predominantly as a janitor, whether as an employee, independent contractor, or a franchisee. The term janitor is defined in the [Service Contract Act Directory of Occupations](#) maintained by the United States Department of Labor.

EXHIBIT F
ITB 10090201-25-L

TRAINING CERTIFICATION FOR JANITORIAL PERSONNEL

Company's Name: Clean Companies CA

I certify that the employees named below have received the following training and have been provided the necessary safety equipment.

TRAINING	YES	NO	DATE
Safety Data Sheet (SDS) Training	x		9/23/2023
Blood Born Pathogen Training	x		8/30/2024
Personal Protective Equipment Training	x		1/17/2023
Injury/Illness Program Training	x		8/30/2024
Employee(s) has/have been trained in safety and emergency procedures	x		7/30/2019
Employee(s) has/have been trained in the proper use of green cleaning techniques and products	x		7/30/2019
Employee(s) has/have been furnished with appropriate uniform	x		10/20/2024

Lacie Callangworth
Employee Name

San Diego
Facility Assigned

Silvia Barrios
Employee Name

San Diego
Facility Assigned

Monica Perez
Employee Name

Temecula
Facility Assigned

Manson Cortez
Employee Name

San Diego
Facility Assigned

Employee Name

Facility Assigned

Employee Name

Facility Assigned

Signature [*Authorized Company Representative*]

Date

Joshua Mathis Owner
Printed Name Title

SAN DIEGO PARKS AND RECREATION DEPARTMENT—RESTROOM CLEANING PROCEDURES

- Directions:** The following restroom cleaning procedures must be followed daily. Repeat any steps necessary to ensure cleanliness of restrooms throughout the day according to the needs of the specific restroom. NOTE: If the order of the cleaning procedures needs to be changed for a specific restroom, do what is necessary to get the job done. The list of approved chemicals appears in bold below. ***If the solution needs to be diluted, please follow the directions on the label of the bottle.
- Reminders:** **Inspect areas before you begin each step to avoid accidental exposure to needles or sharps (behind toilets/urinals, inside toilet paper rolls, other hidden places). Prior to the use of any chemical: READ and FOLLOW THE CHEMICAL LABEL for specific instructions. Attached is the list of instructions for each chemical identified below.**

Chemical	Equipment	Activity
	Signs	1. SIGNS Before you start work, place sign at entrance to the restroom. Sign options include Restroom Closed, Caution, Wet Out of Order.
	Face shield Rubber boots Rubber gloves (chemical resistant) Safety glasses Tyvek suit (optional)	2. PERSONAL PROTECTIVE EQUIPMENT (PPE) Put on proper safety attire based on the work that needs to be done. Read the labels <u>before</u> using any chemicals. Supervisors: conduct Safety Data Sheet (SDS) review for each chemical.
Waxie Husky 814 (cleaner/disinfectant/deodorizer) OR Waxie 764 Lemon Quat*** (Disinfectant Cleaner)	Dustpan Pickup Stick Scoop Shovel	3. BLOOD/BODILY FLUID/SOLID If bodily fluid/solid is found on floors, walls, ceilings: scrape it up or shovel it into toilets/urinals and flush; disinfect original location, tools, and PPE. Apply enough product to stay wet for 10 minutes. Do <u>not</u> dilute this product; it contains disinfectant that must be used full strength to kill viruses.
	Putty Knife Scoop Shovel Trash Can	4. STICKY SUBSTANCES Remove sticky substances from floors and walls with putty knife.
	Broom Dustpan Pickup Stick Scoop Shovel Trash Can	5. DEBRIS (a) Remove debris from <u>sinks</u> . (b) If debris is on the <u>walls or ceiling</u> , knock debris to the floor with broom. (c) Sweep <u>floors</u> ; and use a dustpan to collect debris and place it in a trash can.
	Crescent Wrench Garden Hose High-Pressure Nozzle Spill Kit Water Key Wet/Dry Vac	6. RESTROOMS REQUIRING HIGH PRESSURE CLEANING Connect hose to hose bib. Using high-pressure nozzle, hose down entire restroom interior. Make sure water goes into the sewer; do not allow water to go into the storm drains. Minimum PPE required: face shield, rubber boots, rubber gloves, safety glasses, Tyvek suit.
Waxie Husky 814 (cleaner/disinfectant/deodorizer) OR Waxie 764 Lemon Quat*** (Disinfectant Cleaner)	Plunger	7. PRESOAK TOILETS/URINALS, SINKS, SHOWERS, BABY CHANGING TABLES ACCORDING TO CHEMICAL LABEL The frequency of presoaking activities is dependent on need. (a) Clear <u>toilets/urinals</u> and flush. Spray cleaner/disinfectant/deodorizer in toilets/urinals to soak for 10 minutes. (b) Spray cleaner/disinfectant/deodorizer on <u>sinks</u> to soak for 10 minutes. (c) Apply cleaner/disinfectant/deodorizer to the <u>shower</u> floor to soak for 10 minutes. (d) Spray cleaner/disinfectant/deodorizer on <u>baby changing tables</u> to soak for 10 minutes.
Waxie Sparkle (glass cleaner)	Paper Towels Sponge Squeegee	8. MIRROR Clean mirror using glass cleaner.
Waxie Husky 814 (cleaner/disinfectant/deodorizer) OR Waxie 764 Lemon Quat*** (Disinfectant Cleaner)	Brush Rags (disposable) Sponge	9. SINK If presoaking is complete, clean sink basin and countertops with cleaner/disinfectant/deodorizer. Wipe dry.
Waxie Husky 814 (cleaner/disinfectant/deodorizer) OR Waxie 764 Lemon Quat*** (Disinfectant Cleaner)	Paper Towels Rags (disposable) Sponge Toilet Brush	10. TOILETS/URINALS—ROUTINE CLEANING Apply cleaner/disinfectant/deodorizer to rim of toilets/urinals. Using toilet brush, scrub entire toilet/urinal vigorously. Soak 10 min. Flush when cleaning process is complete. Wipe seat dry or lift seat to air dry.

<p>Waxie Husky 814 (cleaner/disinfectant/deodorizer)</p>	<p>Rags (disposable) Scrub Brush Toilet Brush</p>	<p>11. TOILETS/URINALS—MORE EXTENSIVE CLEANING (e.g., heavily soiled, lime deposits, etc.) Do routine cleaning first to disinfect before using this aggressive cleaner. If additional cleaning is needed, once the area is dry from the routine cleaning, <u>then</u> apply aggressive cleaner (Waxie Gem) and soak. After soaking for 10 minutes, finish cleaning process (may require scrub brush). Wipe seat dry, or seat can be lifted up to air dry. CAUTION: ALLOW CLEANER/DISINFECTANT/DEODORIZER TO DRY (to ensure disinfectant does the job effectively) AND THEN APPLY WAXIE GEM.</p>
<p>Waxie Husky 814 (cleaner/disinfectant/deodorizer)</p> <p>OR</p> <p>Waxie 764 Lemon Quat*** (Disinfectant Cleaner)</p>	<p>None</p>	<p>12. DISINFECT EQUIPMENT Disinfect any equipment used for cleaning toilets/urinals by cleaning with cleaner/disinfectant/deodorizer and allow 10 minutes soak time and dry before putting away.</p>
<p>Waxie Husky 814 (cleaner/disinfectant/deodorizer)</p> <p>OR</p> <p>Waxie 764 Lemon Quat*** (Disinfectant Cleaner)</p>	<p>Rags (disposable) Sponge</p>	<p>13. DOORS, DOOR HANDLES, HANDRAILS, PARTITIONS, WALLS Clean doors, door handles, handrails, and partitions with cleaner/disinfectant/deodorizer. Apply enough product to stay wet for 10 minutes. Wipe dry. Clean walls with cleaner/disinfectant/deodorizer if needed. Apply enough product to stay wet for 10 minutes.</p>
<p>Waxie Husky 814 (cleaner/disinfectant/deodorizer)</p> <p>OR</p> <p>Waxie 764 Lemon Quat*** (Disinfectant Cleaner)</p>	<p>Paper Towels Rags (disposable) Sponge</p>	<p>14. BABY CHANGING TABLES—ROUTINE CLEANING If presoaking is complete, apply cleaner/disinfectant/deodorizer on all surfaces of table. Let soak for 10 minutes. Wipe dry or air dry.</p>
<p>(a) & (c) Waxie Husky 814 (cleaner/disinfectant/deodorizer) (b) Waxie Gem (cleaner/deodorizer)</p> <p>OR</p> <p>Waxie 764 Lemon Quat*** (Disinfectant Cleaner)</p>	<p>Brush Bucket/Mop Sponge</p> <p>Note: Use chemical resistant gloves for Waxie Gem</p>	<p>15. SHOWER (a) Once presoaking is complete (minimum 10 min.), scrub the shower floor and walls with cleaner/disinfectant/deodorizer and rinse into drain. (b) If extra cleaning attention is needed, use a more aggressive cleaner (Waxie Gem). (c) If the shower has <u>curtains</u>, spray with cleaner/disinfectant/deodorizer and rinse with water.</p>
<p>Waxie Husky 814 (cleaner/disinfectant/deodorizer)</p> <p>OR</p> <p>Waxie 764 Lemon Quat*** (Disinfectant Cleaner)</p>	<p>None</p>	<p>16. PRESOAK FLOOR AREA IMMEDIATELY AROUND TOILETS/URINALS ACCORDING TO CHEMICAL LABEL Spray cleaner/disinfectant/deodorizer around the base of the toilet/urinals to soak for 10 minutes. Do <u>not</u> dilute this product; it contains disinfectant that must be used full strength to kill viruses.</p>
<p>Waxie Lan-o-tone (almond) (recommended hand soap or use dispenser-specific hand soap)</p>	<p>Dispenser Keys Paper Towels Sanitary Napkins Toilet Paper Toilet Seat Covers</p>	<p>17. REFILL SUPPLIES Replace/refill toilet paper, paper towels, toilet seat covers, and sanitary napkins. Refill soap dispensers if less than ¼ full. NOTE: All restrooms must be stocked with hand soap at all times. Broken/missing dispensers. must be replaced immediately (keep extra stock of metal dispensers).</p>
<p>Waxie Husky 814 (cleaner/disinfectant/deodorizer)</p> <p>OR</p> <p>Waxie 764 Lemon Quat*** (Disinfectant Cleaner)</p>	<p>Sanitary Trash Can Spill Kit Trash Can Liners Wet/Dry Vacuum</p>	<p>18. TRASH CAN Empty trash cans, including sanitary trash cans. Follow the Blood/Bodily Fluid Procedures if needed. Once a day, take the trash can outside and hose out if needed. Send rinse water into the landscape. Spray with cleaner/disinfectant/deodorizer and let soak for 10 minutes prior to hosing if needed. Once dry, change trash can liner.</p>
<p>Waxie Green (for painted or unpainted surfaces)</p>	<p>Brush Latex Paint Paint Pan Paper Towels Rags (disposable) Roller</p>	<p>19. GRAFFITI According to Division procedures and the type of surface, if graffiti is present, paint over the graffiti or remove with graffiti remover. If graffiti remover is used: spray, allow it to soak, then wipe clean. If the graffiti remover is ineffective on porous surface the recommendation is to paint.</p>

	Bucket/Mop Floor Brush Squeegee	20. FLOOR–ROUTINE CLEANING If presoaking is complete (per #16), wet mop the entire floor with water only. Squeegee excess water into floor drains, then dry mop or air dry. For concrete surfaces, okay to use floor brush instead of mop.
Waxie Balance (cleaner/deodorizer)	Absorbent Material Brush Bucket/Mop Spill Kit Squeegee Wet/Dry Vac	21. FLOOR–MORE EXTENSIVE CLEANING If presoaking is complete (per #16), wet mop the entire floor with aggressive cleaner/deodorizer using 2 ounces of product per gallon of water. It may be necessary to also scrub the floor with a brush. Make sure water does not go into outdoor storm drains (use absorbent material if necessary). Squeegee excess water into floor drains, then dry mop or air dry.
Waxie Spring Mint Plus Liquid Enzymes (enzymatic cleaner/deodorizer)	None	22. DRAINS Clean debris from floor drain. Apply enzymatic cleaner/deodorizer to floor drains and sink drains. Enzyme product must sit in drains for 6-8 hours; use only at end of day. In the morning, run water to rinse the product down the drain. Recommendation: use the enzyme product at least once a week. Do NOT mix enzymes with disinfectants.
Waxie Husky 814 (cleaner/disinfectant/deodorizer) OR Waxie 764 Lemon Quat*** (Disinfectant Cleaner)	Absorbent Material Broom/dustpan Bucket/Mop Scoop/Shovel Spill Kit Trash Can Wet/Dry Vac	23. RESTROOM EXTERIOR If human waste is found outside of the restroom, follow the Storm Water Pollution Prevention Program BMP for Removal of Human Waste. Disinfect all tools used for cleanup. BMPs can be found in the "Storm Water BMP Annual Review" Tailgate.
	Isolyser Pickup Stick Sharps Shuttle	24. SHARPS If needles or sharps are found during any part of the cleaning process, place in sharps shuttle, and follow Division procedures for disposal (ex., dispose of in isolyser). Disposal procedures can be found in the Department's "Blood and Bodily Fluids/Solids Management and Disposal Safety Procedures" Tailgate.
Waxie Lan-o-tone (almond) (recommended hand soap or use dispenser-specific hand soap)	Note: Carry soap if hand soap is not available in the restroom	25. HAND WASHING Wash gloves before removing. Wash hands with soap and water any time you remove your gloves, <u>AND</u> when you finish cleaning the restroom. Follow the "Hand Hygiene" Tailgate procedures.
	Forms: (a) Blood/Bodily Fluid Contact Report (b) Facility Safety Inspection	26. PAPERWORK (a) Complete Blood/Bodily Fluid Report for Risk Management if needed. (b) Report any graffiti or broken fixtures (toilets/urinals, sinks, doors, lights, fixtures, etc.) according to Division procedures.

Updated 11/21

City of San Diego
CONTRACTOR STANDARDS
Pledge of Compliance

The City of San Diego has adopted a Contractor Standards Ordinance (CSO) codified in section 22.3004 of the San Diego Municipal Code (SDMC). The City of San Diego uses the criteria set forth in the CSO to determine whether a contractor (bidder or proposer) has the capacity to fully perform the contract requirements and the business integrity to justify the award of public funds. This completed Pledge of Compliance signed under penalty of perjury must be submitted with each bid and proposal. If an informal solicitation process is used, the bidder must submit this completed Pledge of Compliance to the City prior to execution of the contract. All responses must be typewritten or printed in ink. If an explanation is requested or additional space is required, Contractors must provide responses on Attachment A to the Pledge of Compliance and sign each page. Failure to submit a signed and completed Pledge of Compliance may render a bid or proposal non-responsive. In the case of an informal solicitation or cooperative procurement, the contract will not be awarded unless a signed and completed Pledge of Compliance is submitted. A submitted Pledge of Compliance is a public record and information contained within will be available for public review except to the extent that such information is exempt from disclosure pursuant to applicable law.

By signing and submitting this form, the contractor is certifying, to the best of their knowledge, that the contractor and any of its Principals have not within a five (5) year period – preceding this offer, been convicted of or had a civil judgement rendered against them for commission of a fraud or a criminal offense in connection with obtaining, attempting to obtain or performing a public (Federal, State or local) contract or subcontract.

“Principal” means an officer, director, owner, partner or a person having primary management or supervisory responsibilities within the firm. The Contractor shall provide immediate written notice to the Procurement Contracting Officer handling the solicitation, at any time prior to award should they learn that this Representations and Certifications was inaccurate or incomplete.

This form contains 10 pages, additional information may be submitted as part of Attachment A.

A. BID/PROPOSAL/SOLICITATION TITLE:

Janitorial Maintenance Service at Civic Center Public Restrooms and Children's Park Public Restrooms 10090201-25-L

B. BIDDER/PROPOSER INFORMATION:

Clean Companies CA			
Legal Name	San Diego	DBA	92105
3629 47th Street	City	CA	Zip
Street Address	(802) 766-1919	State	
Joshua Mathis	Phone	Fax	
Contact Person, Title			

Provide the name, identity, and precise nature of the interest* of all persons who are directly or indirectly involved** in this proposed transaction (SDMC § 21.0103). Use additional pages if necessary.

* The precise nature of the interest includes:

- the percentage ownership interest in a party to the transaction,
- the percentage ownership interest in any firm, corporation, or partnership that will receive funds from the transaction,
- the value of any financial interest in the transaction,
- any contingent interest in the transaction and the value of such interest should the contingency be satisfied, and
- any philanthropic, scientific, artistic, or property interest in the transaction.

** Directly or indirectly involved means pursuing the transaction by:

- communicating or negotiating with City officers or employees,
- submitting or preparing applications, bids, proposals or other documents for purposes of contracting with the City, or
- directing or supervising the actions of persons engaged in the above activity.

Joshua Mathis	Owner
Name	Title/Position
San Diego, CA	
City and State of Residence	Employer (if different than Bidder/Proposer)
Owner	
Interest in the transaction	

Name	Title/Position
City and State of Residence	Employer (if different than Bidder/Proposer)
Interest in the transaction	

Name	Title/Position
City and State of Residence	Employer (if different than Bidder/Proposer)
Interest in the transaction	

Name	Title/Position
City and State of Residence	Employer (if different than Bidder/Proposer)
Interest in the transaction	

Name	Title/Position
City and State of Residence	Employer (if different than Bidder/Proposer)
Interest in the transaction	

Name	Title/Position
City and State of Residence	Employer (if different than Bidder/Proposer)
Interest in the transaction	

Name	Title/Position
City and State of Residence	Employer (if different than Bidder/Proposer)
Interest in the transaction	

Name	Title/Position
City and State of Residence	Employer (if different than Bidder/Proposer)
Interest in the transaction	

Name	Title/Position
City and State of Residence	Employer (if different than Bidder/Proposer)
Interest in the transaction	

C. OWNERSHIP AND NAME CHANGES:

1. In the past five (5) years, has your firm changed its name?
 Yes No

If **Yes**, use Attachment A to list all prior legal and DBA names, addresses, and dates each firm name was used. Explain the specific reasons for each name change.

2. Is your firm a non-profit?
 Yes No

If **Yes**, attach proof of status to this submission.

3. In the past five (5) years, has a firm owner, partner, or officer operated a similar business?
 Yes No

If **Yes**, use Attachment A to list names and addresses of all businesses and the person who operated the business. Include information about a similar business only if an owner, partner, or officer of your firm holds or has held a similar position in another firm.

D. BUSINESS ORGANIZATION/STRUCTURE:

Indicate the organizational structure of your firm. Fill in only one section on this page. Use Attachment A if more space is required.

Corporation Date incorporated: 10/01/2021 State of incorporation: California

List corporation's current officers: President: Joshua Mathis
Vice Pres: _____
Secretary: Nadya Bahati
Treasurer: _____

Type of corporation: C Subchapter S

Is the corporation authorized to do business in California: **Yes** **No**

If **Yes**, after what date: 10/01/2021

Is your firm a publicly traded corporation? Yes No

If Yes, how and where is the stock traded? _____

If Yes, list the name, title and address of those who own ten percent (10 %) or more of the corporation's stocks:

Do the President, Vice President, Secretary and/or Treasurer of your corporation have a third party interest or other financial interests in a business/enterprise that performs similar work, services or provides similar goods? Yes No

If Yes, please use Attachment A to disclose.

Please list the following:

	Authorized	Issued	Outstanding
--	------------	--------	-------------

a. Number of voting shares:	_____	_____	_____
b. Number of nonvoting shares:	_____	_____	_____
c. Number of shareholders:			_____
d. Value per share of common stock:		Par	\$ _____
		Book	\$ _____
		Market	\$ _____

Limited Liability Company Date formed: _____ State of formation: _____

List the name, title and address of members who own ten percent (10%) or more of the company:

Partnership Date formed: _____ State of formation: _____

List names of all firm partners:

Sole Proprietorship Date started: _____

List all firms you have been an owner, partner or officer with during the past five (5) years. Do not include ownership of stock in a publicly traded company:

Joint Venture Date formed: _____

List each firm in the joint venture and its percentage of ownership:

Note: To be responsive, each member of a Joint Venture or Partnership must complete a separate *Contractor Standards form*.

E. FINANCIAL RESOURCES AND RESPONSIBILITY:

1. Is your firm preparing to be sold, in the process of being sold, or in negotiations to be sold?

Yes **No**

If **Yes**, use Attachment A to explain the circumstances, including the buyer's name and principal contact information.

2. In the past five (5) years, has your firm been denied bonding?

Yes **No**

If **Yes**, use Attachment A to explain specific circumstances; include bonding company name.

3. In the past five (5) years, has a bonding company made any payments to satisfy claims made against a bond issued on your firm's behalf or a firm where you were the principal?

Yes **No**

If **Yes**, use Attachment A to explain specific circumstances.

4. In the past five (5) years, has any insurance carrier, for any form of insurance, refused to renew the insurance policy for your firm?

Yes **No**

If **Yes**, use Attachment A to explain specific circumstances.

5. Within the last five years, has your firm filed a voluntary petition in bankruptcy, been adjudicated bankrupt, or made a general assignment for the benefit of creditors?

Yes **No**

If **Yes**, use Attachment A to explain specific circumstances.

6. Are there any claims, liens or judgements that are outstanding against your firm?

Yes **No**

If **Yes**, please use Attachment A to provide detailed information on the action.

7. Please provide the name of your principal financial institution for financial reference. By submitting a response to this Solicitation Contractor authorizes a release of credit information for verification of financial responsibility.

Name of Bank: Chase Bank

Point of Contact: Chase Bank

Address: _____

Phone Number: (619) 584-1840

8. By submitting a response to a City solicitation, Contractor certifies that he or she has sufficient operating capital and/or financial reserves to properly fund the requirements identified in the solicitation. At City's request, Contractor will promptly provide to City

a copy of Contractor's most recent balance sheet and/or other necessary financial statements to substantiate financial ability to perform.

9. In order to do business in the City of San Diego, a current Business Tax Certificate is required. Business Tax Certificates are issued by the City Treasurer's Office. If you do not have one at the time of submission, one must be obtained prior to award.

Business Tax Certificate No.: I2MC88Q03R Year Issued: 2024

F. PERFORMANCE HISTORY:

1. In the past five (5) years, has your firm been found civilly liable, either in a court of law or pursuant to the terms of a settlement agreement, for defaulting or breaching a contract with a government agency?

Yes No

If **Yes**, use Attachment A to explain specific circumstances.

2. In the past five (5) years, has a public entity terminated your firm's contract for cause prior to contract completion?

Yes No

If **Yes**, use Attachment A to explain specific circumstances and provide principal contact information.

3. In the past five (5) years, has your firm entered into any settlement agreement for any lawsuit that alleged contract default, breach of contract, or fraud with or against a public entity?

Yes No

If **Yes**, use Attachment A to explain specific circumstances.

4. Is your firm currently involved in any lawsuit with a government agency in which it is alleged that your firm has defaulted on a contract, breached a contract, or committed fraud?

Yes No

If **Yes**, use Attachment A to explain specific circumstances.

5. In the past five (5) years, has your firm, or any firm with which any of your firm's owners, partners, or officers is or was associated, been debarred, disqualified, removed, or otherwise prevented from bidding on or completing any government or public agency contract for any reason?

Yes No

If **Yes**, use Attachment A to explain specific circumstances.

6. In the past five (5) years, has your firm received a notice to cure or a notice of default on a contract with any public agency?

Yes No

If **Yes**, use Attachment A to explain specific circumstances and how the matter resolved.

7. Performance References:

Please provide a minimum of three (3) references familiar with work performed by your firm which was of a similar size and nature to the subject solicitation within the last five (5) years.

Please note that any references required as part of your bid/proposal submittal are in addition to those references required as part of this form.

Company Name: Kings Cross Church

Contact Name and Phone Number: Bobby Shook 7038017603
Contact Email: Facilities@kingscrosschurch.us
Address: San Diego, CA 4747 Soledad Mountain Rd, San Diego, CA 92109
Contract Date: January 1, 2023
Contract Amount: \$ 132,000.00
Requirements of Contract: Janitorial

Company Name: Old Town Academy
Contact Name and Phone Number: Devon Phillips 765 749 9266
Contact Email: Dphillips@oldtownacademy.org
Address: San Diego, CA 2120 San Diego Ave, San Diego, CA 92110
Contract Date: March 23, 2024
Contract Amount: \$ 72,334.00
Requirements of Contract: Floor cleaning

Company Name: SideKick
Contact Name and Phone Number: Kunal Jaju
Contact Email: kunaljaju@sidekickmailserver3.com
Address: Temecula CA 40820 Winchester Rd, Temecula, CA 92591
Contract Date: July 23, 2024
Contract Amount: \$ 973,000.00
Requirements of Contract: Janitorial and carpet

G. COMPLIANCE:

1. In the past five (5) years, has your firm or any firm owner, partner, officer, executive, or manager been criminally penalized or found civilly liable, either in a court of law or pursuant to the terms of a settlement agreement, for violating any federal, state, or local law in performance of a contract, including but not limited to, laws regarding health and safety, labor and employment, permitting, and licensing laws?

Yes No

If **Yes**, use Attachment A to explain specific circumstances surrounding each instance. Include the name of the entity involved, the specific infraction(s) or violation(s), dates of instances, and outcome with current status.

2. In the past five (5) years, has your firm been determined to be non-responsible by a public entity?

Yes No

If **Yes**, use Attachment A to explain specific circumstances of each instance. Include the name of the entity involved, the specific infraction, dates, and outcome.

H. BUSINESS INTEGRITY:

1. In the past five (5) years, has your firm been convicted of or found liable in a civil suit for making a false claim or material misrepresentation to a private or public entity?

Yes **No**

If **Yes**, use Attachment A to explain specific circumstances of each instance. Include the entity involved, specific violation(s), dates, outcome and current status.

2. In the past five (5) years, has your firm or any of its executives, management personnel, or owners been convicted of a crime, including misdemeanors, or been found liable in a civil suit involving the bidding, awarding, or performance of a government contract?

Yes **No**

If **Yes**, use Attachment A to explain specific circumstances of each instance; include the entity involved, specific infraction(s), dates, outcome and current status.

3. In the past five (5) years, has your firm or any of its executives, management personnel, or owners been convicted of a federal, state, or local crime of fraud, theft, or any other act of dishonesty?

Yes **No**

If **Yes**, use Attachment A to explain specific circumstances of each instance; include the entity involved, specific infraction(s), dates, outcome and current status.

4. Do any of the Principals of your firm have relatives that are either currently employed by the City or were employed by the City in the past five (5) years?

Yes **No**

If **Yes**, please disclose the names of those relatives in Attachment A.

I. BUSINESS REPRESENTATION:

1. Are you a local business with a physical address within the County of San Diego?

Yes **No**

2. Are you a certified Small and Local Business Enterprise certified by the City of San Diego?

Yes **No**

Certification # _____

3. Are you certified as any of the following:

- a. Disabled Veteran Business Enterprise Certification # _____
- b. Woman or Minority Owned Business Enterprise Certification # _____
- c. Disadvantaged Business Enterprise Certification # _____

J. WAGE COMPLIANCE:

In the past five (5) years, has your firm been required to pay back wages or penalties for failure to comply with the federal, state or local **prevailing, minimum, or living wage laws**? **Yes** **No** If **Yes**, use Attachment A to explain the specific circumstances of each instance. Include the entity involved, the specific infraction(s), dates, outcome, and current status.

By signing this Pledge of Compliance, your firm is certifying to the City that you will comply with the requirements of the Equal Pay Ordinance set forth in SDMC sections 22.4801 through 22.4809.

K. STATEMENT OF SUBCONTRACTORS & SUPPLIERS:

Please provide the names and information for all subcontractors and suppliers used in the performance of the proposed contract, and what portion of work will be assigned to each subcontractor. Subcontractors may not be substituted without the written consent of the City. Use Attachment A if additional pages are necessary. If no subcontractors or suppliers will be used, please write "Not Applicable."

Company Name: Not Applicable

Address: _____

Contact Name: _____ Phone: _____ Email: _____

Contractor License No.: _____ DIR Registration No.: _____

Sub-Contract Dollar Amount: \$ _____ (per year) \$ _____ (total contract term)

Scope of work subcontractor will perform: _____

Identify whether company is a subcontractor or supplier: _____

Certification type (check all that apply): DBE DVBE ELBE MBE SLBE WBE Not Certified

Contractor must provide valid proof of certification with the response to the bid or proposal to receive participation credit.

Company Name: _____

Address: _____

Contact Name: _____ Phone: _____ Email: _____

Contractor License No.: _____ DIR Registration No.: _____

Sub-Contract Dollar Amount: \$ _____ (per year) \$ _____ (total contract term)

Scope of work subcontractor will perform: _____

Identify whether company is a subcontractor or supplier: _____

Certification type (check all that apply): DBE DVBE ELBE MBE SLBE WBE Not Certified

Contractor must provide valid proof of certification with the response to the bid or proposal to receive participation credit.

L. STATEMENT OF AVAILABLE EQUIPMENT:

A full inventoried list of all necessary equipment to complete the work specified may be a requirement of the bid/proposal submission.

By signing and submitting this form, the Contractor certifies that all required equipment included in this bid or proposal will be made available one week (7 days) before work shall commence. In instances where the required equipment is not owned by the Contractor, Contractor shall explain how the equipment will be made available before the commencement of work. The City of San

Diego reserves the right to reject any response, in its opinion, if the Contractor has not demonstrated he or she will be properly equipped to perform the work in an efficient, effective matter for the duration of the contract period.

M. TYPE OF SUBMISSION: This document is submitted as:

- Initial submission of *Contractor Standards Pledge of Compliance*
- Initial submission of *Contractor Standards Pledge of Compliance* as part of a Cooperative agreement
- Initial submission of *Contractor Standards Pledge of Compliance* as part of a Sole Source agreement
- Update of prior *Contractor Standards Pledge of Compliance* dated _____.

Complete all questions and sign below.

Under penalty of perjury under the laws of the State of California, I certify that I have read and understand the questions contained in this Pledge of Compliance, that I am responsible for completeness and accuracy of the responses contained herein, and that all information provided is true, full and complete to the best of my knowledge and belief. I agree to provide written notice to the Purchasing Agent within five (5) business days if, at any time, I learn that any portion of this Pledge of Compliance is inaccurate. Failure to timely provide the Purchasing Agent with written notice is grounds for Contract termination.

I, on behalf of the firm, further certify that I and my firm will comply with the following provisions of SDMC section 22.3004:

(a) I and my firm will comply with all applicable local, State and Federal laws, including health and safety, labor and employment, and licensing laws that affect the employees, worksite or performance of the contract.

(b) I and my firm will notify the Purchasing Agent in writing within fifteen (15) calendar days of receiving notice that a government agency has begun an investigation of me or my firm that may result in a finding that I or my firm is or was not in compliance with laws stated in paragraph (a).

(c) I and my firm will notify the Purchasing Agent in writing within fifteen (15) calendar days of a finding by a government agency or court of competent jurisdiction of a violation by the Contractor of laws stated in paragraph (a).

(d) I and my firm will notify the Purchasing Agent in writing within fifteen (15) calendar days of becoming aware of an investigation or finding by a government agency or court of competent jurisdiction of a violation by a subcontractor of laws stated in paragraph (a).

(e) I and my firm will cooperate fully with the City during any investigation and to respond to a request for information within ten (10) working days.

Failure to sign and submit this form with the bid/proposal shall make the bid/proposal non-responsive. In the case of an informal solicitation, the contract will not be awarded unless a signed and completed *Pledge of Compliance* is submitted.

Joshua Mathis O

Name and Title



Signature

11 Sep 202

Date

**City of San Diego
CONTRACTOR STANDARDS
Attachment "A"**

Provide additional information in space below. Use additional Attachment "A" pages as needed. Each page must be signed. Print in ink or type responses and indicate question being answered.

I have read the matters and statements made in this Contractor Standards Pledge of Compliance and attachments thereto and I know the same to be true of my own knowledge, except as to those matters stated upon information or belief and as to such matters, I believe the same to be true. I certify under penalty of perjury that the foregoing is true and correct.

Joshua Mathis, Ov

Print Name, Title



Signature

11 Sep 2024

Date

EQUAL OPPORTUNITY CONTRACTING PROGRAM (EOCP)
GOODS AND SERVICES CONTRACTOR REQUIREMENTS

I. City's Equal Opportunity Contracting Commitment.

The City of San Diego (City) promotes equal employment and subcontracting opportunities. The City is committed to ensuring that taxpayer dollars spent on public contracts are not paid to businesses that practice discrimination in employment or subcontracting. The City encourages all companies seeking to do business with the City to share this commitment. Contractors are encouraged to take positive steps to diversify and expand their subcontractor and supplier solicitation base and to offer opportunities to all eligible business firms.

Contractors must submit the required EOCP documentation indicated below with their bids. Contractors who fail to provide the required EOCP documentation are considered non-responsive.

II. Definitions.

Commercially Useful Function: a Small Local Business Enterprise or Emerging Local Business Enterprise (SLBE/ELBE) performs a commercially useful function when it is responsible for execution of the work of the contract and is carrying out its responsibilities by actually performing, managing, and supervising the work involved. To perform a commercially useful function, the SLBE/ELBE shall also be responsible, with respect to materials and supplies used on the contract, for negotiating price, determining quality and quantity, ordering the material, and installing (where applicable) and paying for the material itself.

To determine whether a SLBE/ELBE is performing a commercially useful function, an evaluation will be performed of the amount of work subcontracted, normal industry practices, whether the amount the SLBE/ELBE firm is to be paid under the contract is commensurate with the work it is actually performing and the SLBE/ELBE credit claimed for its performance of the work, and other relevant factors. Specifically, a SLBE/ELBE does not perform a commercially useful function if its role is limited to that of an extra participant in a transaction, contract, or project through which funds are passed in order to obtain the appearance of meaningful and useful SLBE/ELBE participation, when in similar transactions in which SLBE/ELBE firms do not participate, there is no such role performed.

Disadvantaged Business Enterprise (DBE): a certified business that is (1) at least fifty-one (51%) owned by socially and economically Disadvantaged Individuals, or, in the case of a publicly owned business at least fifty-one percent (51%) of the stock is owned by one or more socially and economically Disadvantaged Individuals; and (2) whose daily business operations are managed and directed by one or more socially and economically disadvantaged owners. Disadvantaged Individuals include Black Americans, Hispanic Americans, Asian Americans, and other minorities, or individual found to be disadvantaged by the Small Business Administration pursuant to Section 8 of the Small Business Reauthorization Act.

Disabled Veteran: Disabled Veteran Business Enterprise (DVBE): a certified business that is (1) at least fifty-one percent (51%) owned by one or more Disabled Veterans; and (2) business operations must be managed and controlled by one or more Disabled Veterans. A Disabled Veteran is a veteran of the U.S. military, naval, or air service who resides in California and has a service-connected disability of at least 10% or more. The firm shall be certified by the State of California's Department of General Services, Office of Small and Minority Business.

Emerging Business Enterprise (EBE): a business whose gross annual receipts do not exceed the amount set by the City Manager, and which meets all other criteria set forth in regulations implementing the City's Small and Local Business Preference Program. The City Manager shall review the threshold amount for EBEs on an annual basis, and adjust as necessary to reflect changes in the marketplace.

Emerging Local Business Enterprise (ELBE): a Local Business Enterprise that is also an Emerging Business Enterprise.

Local Business Enterprise (LBE): a business that has both a principle place of business and a significant employment presence in the County of San Diego, and that has been in operation for twelve (12) consecutive months.

Minority Business Enterprise (MBE): a certified business that is (1) at least fifty-one percent (51%) owned by one or more minority individuals, or, in the case of a publicly owned business at least fifty-one percent (51%) of the stock is owned by one or more minority individuals; and (2) whose daily business operations are managed and directed by one or more minorities owners. Minorities include the groups with the following ethnic origins: African, Asian Pacific, Asian Subcontinent, Hispanic, Native Alaskan, Native American, and Native Hawaiian.

Other Business Enterprise (OBE): any business which does not otherwise qualify as Minority, Woman, Disadvantaged, or Disabled Veteran Business Enterprise.

Principle Place of Business: a location wherein a business maintains a physical office and through which it obtains no less than fifty percent (50%) of its gross annual receipts.

Significant Employee Presence: no less than twenty-five percent (25%) of a business's total number of employees.

Small Business Enterprise (SBE): a business whose gross annual receipts do not exceed the amount set by the City Manager, and that meets all other criteria set forth in regulations implementing the City's Small and Local Business Preference Program. The City Manager shall review the threshold amount for SBEs on an annual basis, and adjust as necessary to reflect changes in the marketplace. A business certified as a DVBE by the State of California, and that has provided proof of such certification to the City Manager, shall be deemed to be an SBE.

Small Local Business Enterprise (SLBE): a Local Business Enterprise that is also a Small Business Enterprise.

Women Business Enterprise (WBE): a certified business that is (1) at least fifty-one percent (51 %) owned by a woman or women, or, in the case of a publicly owned business at least fifty-one percent (51%) of the stock is owned by one or more women; and (2) whose daily business operations are managed and directed by one or more women owners.

III. Disclosure of Discrimination Complaints.

As part of its bid, Contractor shall provide to the City a list of all instances within the past ten (10) years where a complaint was filed or pending against Contractor in a legal or administrative proceeding alleging that Contractor discriminated against its employees, subcontractors, vendors, or suppliers, and a description of the status or resolution of that complaint, including any remedial action taken. (Attachment AA).

IV. Workforce Report and Equal Opportunity Outreach Plan.

- A. Work Force Report. Contractors shall submit with their bid a Work Force Report (WFR) for approval by the City. (Attachment BB). If the City determines that there are under representations when compared to County Labor Force Availability data, then the Contractor will also be required to submit an Equal Employment Opportunity Plan (EEOP) to the City for approval. Questions regarding the WFR should be directed to the Equal Opportunity Contracting Department.
- B. Duty to Comply with Equal Opportunity Outreach Plan. A Contractor for whom an EEOP has been approved by the City shall use best efforts to comply with that EEOP.

V. Small and Local Business Program Requirements.

The City has adopted a Small and Local Business Preference Program for goods and services contracts. The SLBE requirements are set forth in San Diego Municipal Code Division 36. For goods, services, and consultant contracts in which the Purchasing Agent is required to advertise for sealed bids in the City's official newspaper:

- A. The City shall apply a bid discount in the way of:
 - a. Five percent (5%) discount off the bid price for SLBE or ELBE prime contractors; or
 - b. Five percent (5%) discount off the bid price for prime contractors achieving the voluntary goal of twenty percent (20%) for SLBE or ELBE subcontractor participation set forth in Subsection B below.

The discount will not apply if an award to the discounted bidder would result in a total contract cost of \$50,000 in excess of the low, non-discounted bid. In the event of a tie between a discounted bidder and non-

discounted bidder, the discounted bidder will be awarded the contract. The discount shall be taken off the total contract value, including contract option years.

- B. Include a voluntary subcontractor participation requirement of 20% of the total bid price for SLBE or ELBEs.

VI. Maintaining Participation Levels.

- A. Bid discounts are based on the bidder's level of participation proposed prior to the award of the goods, services, or consultant contract. Bidders are required to achieve and maintain the SLBE or ELBE participation levels throughout the duration of the goods, services, or consultant contract.
- B. If the City modifies the original specifications, the bidder shall make reasonable efforts to maintain the SLBE or ELBE participation for which the bid discount was awarded. The City must approve in writing a reduction in SLBE or ELBE participation levels.
- C. Bidder shall notify and obtain written approval from the City in advance of any reduction in subcontract scope, termination, or substitution for a designated SLBE or ELBE subcontractor.
- D. Bidder's failure to maintain SLBE or ELBE participation levels as specified in the goods, services, or consultant contract shall constitute a default and grounds for debarment under Chapter 2, Article 2, Division 8, of the San Diego Municipal Code.
- E. The remedies available to the City under San Diego Municipal Code Division 36 are cumulative to all other rights and remedies available to the City.

VII. Certifications.

The City accepts certifications of MBE, WBE, DBE, or DVBE from the following certifying agencies:

- A. Current certification by the State of California Department of Transportation (CALTRANS) as DBE.
- B. Current MBE or WBE certification from the California Public Utilities Commission.
- C. DVBE certification is received from the State of California's Department of General Services, Office of Small and Minority Business.
- D. Current certification by the City of Los Angeles as DBE, WBE, or MBE.

Subcontractors' valid proof of certification status e.g., copy of MBE, WBE, DBE, or DVBE certification must be submitted with the ITB. MBE, WBE, DBE, or DVBE certifications are listed for informational purposes only.

VIII. List of Attachments.

- AA. Contractors Certification of Pending Actions
- BB. Work Force Report

AA. CONTRACTORS CERTIFICATION OF PENDING ACTIONS

As part of this Contract, the Contractor must provide to the City a list of all instances within the past 10 years where a complaint was filed or pending against the Contractor in a legal or administrative proceeding alleging that Contractor discriminated against its employees, subcontractors, vendors or suppliers, and a description of the status or resolution of that complaint, including any remedial action taken.

CHECK ONE BOX ONLY.


- The undersigned certifies that within the past 10 years the Contractor has NOT been the subject of a complaint or pending action in a legal administrative proceeding alleging that Contractor discriminated against its employees, subcontractors, vendors or suppliers.

- The undersigned certifies that within the past 10 years the Contractor has been the subject of a complaint or pending action in a legal administrative proceeding alleging that Contractor discriminated against its employees, subcontractors, vendors or suppliers. A description of the status or resolution of that complaint, including any remedial action taken and the applicable dates is as follows:

DATE OF CLAIM	LOCATION	DESCRIPTION OF CLAIM	LITIGATION (Y/N)	STATUS	RESOLUTION/ REMEDIAL ACTION TAKEN

Contractor Name: Clean Companies CA

Certified By Joshua Mathis Title Owner


 Name
 Signature

Date 11 Sep 2024

EQUAL OPPORTUNITY CONTRACTING (EOC)

1200 Third Avenue, Suite 200 • San Diego, CA 92101
Phone: (619) 236-6000 • Fax: (619) 236-5904

BB. WORK FORCE REPORT

The objective of the *Equal Employment Opportunity Outreach Program*, San Diego Municipal Code Sections 22.3501 through 22.3517, is to ensure that contractors doing business with the City, or receiving funds from the City, do not engage in unlawful discriminatory employment practices prohibited by State and Federal law. Such employment practices include, but are not limited to unlawful discrimination in the following: employment, promotion or upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination, rate of pay or other forms of compensation, and selection for training, including apprenticeship. Contractors are required to provide a completed *Work Force Report (WFR)*.

**NO OTHER FORMS WILL BE ACCEPTED
CONTRACTOR IDENTIFICATION**

Type of Contractor: Construction Vendor/Supplier Financial Institution Lessee/Lessor
 Consultant Grant Recipient Insurance Company Other

Name of Company: Clean Companies CA

ADA/DBA: _____

Address (Corporate Headquarters, where applicable): 3629 47th Street

City: San Diego County: San Diego State: CA Zip: 92105

Telephone Number: 858.727.2707 Fax Number: 858.868.7108

Name of Company CEO: Joshua Mathis

Address(es), phone and fax number(s) of company facilities located in San Diego County (if different from above):

Address: _____

City: _____ County: _____ State: _____ Zip: _____

Telephone Number: _____ Fax Number: _____ Email: _____

Type of Business: Janitorial Type of License: _____

The Company has appointed: Nadya Bahati

As its Equal Employment Opportunity Officer (EEOO). The EEOO has been given authority to establish, disseminate and enforce equal employment and affirmative action policies of this company. The EEOO may be contacted at:

Address: San Diego, CA

Telephone Number: 858.727.2702 ext 2 Fax Number: _____ Email: Support@cleancoca.com

- One San Diego County (or Most Local County) Work Force - Mandatory
- Branch Work Force *
- Managing Office Work Force

Check the box above that applies to this WFR.

**Submit a separate Work Force Report for all participating branches. Combine WFRs if more than one branch per county.*

I, the undersigned representative of Clean Companies CA

(Firm Name)

San Diego, _____ hereby certify that information provided

(County)

(State)

herein is true and correct. This document was executed on this 11 day of September, 2024



(Authorized Signature)

Nadya Bahati

(Print Authorized Signature Name)

WORK FORCE REPORT – Page 2

NAME OF FIRM: Clean Companies CA

DATE: 11 Sep 2024

OFFICE(S) or BRANCH(ES): San Diego

COUNTY: San Diego

INSTRUCTIONS: For each occupational category, indicate number of males and females in every ethnic group. Total columns in row provided. Sum of all totals should be equal to your total work force. Include all those employed by your company on either a full or part-time basis. The following groups are to be included in ethnic categories listed in columns below:

- (1) Black or African-American
- (2) Hispanic or Latino
- (3) Asian
- (4) American Indian or Alaska Native
- (5) Native Hawaiian or Pacific Islander
- (6) White
- (7) Other race/ethnicity; not falling into other groups

Definitions of the race and ethnicity categories can be found on Page 4

ADMINISTRATION OCCUPATIONAL CATEGORY	(1) Black or African American		(2) Hispanic or Latino		(3) Asian		(4) American Indian/ Nat. Alaskan		(5) Pacific Islander		(6) White		(7) Other Race/ Ethnicity	
	(M)	(F)	(M)	(F)	(M)	(F)	(M)	(F)	(M)	(F)	(M)	(F)	(M)	(F)
Management & Financial	2	1												
Professional														
A&E, Science, Computer														
Technical														
Sales		1												
Administrative Support														
Services														
Crafts														
Operative Workers														
Transportation														
Laborers*														

*Construction laborers and other field employees are not to be included on this page

Totals Each Column	2	2												
--------------------	---	---	--	--	--	--	--	--	--	--	--	--	--	--

Grand Total All Employees 4

Indicate by Gender and Ethnicity the Number of Above Employees Who Are Disabled:

Disabled														
----------	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Non-Profit Organizations Only:

Board of Directors														
Volunteers														
Artists														

WORK FORCE REPORT – Page 3

NAME OF FIRM: Clean Companies CA

DATE: 11 Sep 2024

OFFICE(S) or BRANCH(ES): San Diego

COUNTY: San Diego

INSTRUCTIONS: For each occupational category, indicate number of males and females in every ethnic group. Total columns in row provided. Sum of all totals should be equal to your total work force. Include all those employed by your company on either a full or part-time basis. The following groups are to be included in ethnic categories listed in columns below:

- (1) Black or African-American
- (2) Hispanic or Latino
- (3) Asian
- (4) American Indian or Alaska Native
- (5) Native Hawaiian or Pacific Islander
- (6) White
- (7) Other race/ethnicity; not falling into other groups

Definitions of the race and ethnicity categories can be found on Page 4

TRADE OCCUPATIONAL CATEGORY	(1) Black or African American		(2) Hispanic or Latino		(3) Asian		(4) American Indian/ Nat. Alaskan		(5) Pacific Islander		(6) White		(7) Other Race/ Ethnicity	
	(M)	(F)	(M)	(F)	(M)	(F)	(M)	(F)	(M)	(F)	(M)	(F)	(M)	(F)
Brick, Block or Stone Masons														
Carpenters														
Carpet, Floor & Tile Installers Finishers														
Cement Masons, Concrete Finishers														
Construction Laborers		2	3											
Drywall Installers, Ceiling Tile Inst														
Electricians														
Elevator Installers														
First-Line Supervisors/Managers														
Glaziers														
Helpers; Construction Trade														
Millwrights														
Misc. Const. Equipment Operators														
Painters, Const. & Maintenance	1	2	9	7								1		
Pipelayers, Plumbers, Pipe & Steam Fitters														
Plasterers & Stucco Masons														
Roofers														
Security Guards & Surveillance Officers														
Sheet Metal Workers														
Structural Metal Fabricators & Fitters														
Welding, Soldering & Brazing Workers														
Workers, Extractive Crafts, Miners														

Totals Each Column	1	4	12	7								1		
--------------------	---	---	----	---	--	--	--	--	--	--	--	---	--	--

Grand Total All Employees 28

Indicate By Gender and Ethnicity the Number of Above Employees Who Are Disabled:

Disabled	3													
----------	---	--	--	--	--	--	--	--	--	--	--	--	--	--

Work Force Report

HISTORY

The Work Force Report (WFR) is the document that allows the City of San Diego to analyze the work forces of all firms wishing to do business with the City. We are able to compare the firm's work force data to County Labor Force Availability (CLFA) data derived from the United States Census. CLFA data is a compilation of lists of occupations and includes the percentage of each ethnicity we track (American Indian or Alaska Native, Asian, Black or African-American, Native Hawaiian or Pacific Islander, White, and Other) for each occupation. Currently, our CLFA data is taken from the 2010 Census. In order to compare one firm to another, it is important that the data we receive from the consultant firm is accurate and organized in the manner that allows for this fair comparison.

WORK FORCE & BRANCH WORK FORCE REPORTS

When submitting a WFR, especially if the WFR is for a specific project or activity, we would like to have information about the firm's work force that is actually participating in the project or activity. That is, if the project is in San Diego and the work force is from San Diego, we want a San Diego County Work Force Report¹. By the same token, if the project is in San Diego, but the work force is from another county, such as Orange or Riverside County, we want a Work Force Report from that county². If participation in a San Diego project is by work forces from San Diego County and, for example, from Los Angeles County and from Sacramento County, we ask for separate Work Force Reports representing your firm from each of the three counties.

MANAGING OFFICE WORK FORCE

Equal Opportunity Contracting may occasionally ask for a Managing Office Work Force (MOWF) Report. This may occur in an instance where the firm involved is a large national or international firm but the San Diego or other local work force is very small. In this case, we may ask for both a local and a MOWF Report^{1,3}. In another case, when work is done only by the Managing Office, only the MOWF Report may be necessary.³

TYPES OF WORK FORCE REPORTS:

Please note, throughout the preceding text of this page, the superscript numbers one ¹, two ² & three ³. These numbers coincide with the types of work force report required in the example. See below:

- ¹ One San Diego County (or Most Local County) Work Force – Mandatory in most cases
- ² Branch Work Force *
- ³ Managing Office Work Force

**Submit a separate Work Force Report for all participating branches. Combine WFRs if more than one branch per county.*

RACE/ETHNICITY CATEGORIES

American Indian or Alaska Native – A person having origins in any of the peoples of North and South America (including Central America) and who maintains tribal affiliation or community attachment.

Asian – A person having origins in any of the peoples of the Far East, Southeast Asia, or the Indian subcontinent including, for example, Cambodia, China, India, Japan, Korea, Malaysia, Pakistan, the Philippine Islands, Thailand, and Vietnam.

Black or African American – A person having origins in any of the Black racial groups of Africa.

Native Hawaiian or Pacific Islander – A person having origins in any of the peoples of Hawaii, Guam, Samoa, or other Pacific Islands.

White – A person having origins in any of the peoples of Europe, the Middle East, or North Africa.

Hispanic or Latino – A person of Cuban, Mexican, Puerto Rican, South or Central American, or other Spanish culture or origin.

Exhibit A: Work Force Report Job Categories – Administration

Refer to this table when completing your firm's Work Force Report form(s).

Management & Financial

Advertising, Marketing, Promotions, Public Relations, and Sales Managers
Business Operations Specialists
Financial Specialists
Operations Specialties Managers
Other Management Occupations
Top Executives

Professional

Art and Design Workers
Counselors, Social Workers, and Other Community and Social Service Specialists
Entertainers and Performers, Sports and Related Workers
Health Diagnosing and Treating Practitioners
Lawyers, Judges, and Related Workers
Librarians, Curators, and Archivists
Life Scientists
Media and Communication Workers
Other Teachers and Instructors
Postsecondary Teachers
Primary, Secondary, and Special Education School Teachers
Religious Workers
Social Scientists and Related Workers

Architecture & Engineering, Science, Computer

Architects, Surveyors, and Cartographers
Computer Specialists
Engineers
Mathematical Science Occupations
Physical Scientists

Technical

Drafters, Engineering, and Mapping Technicians
Health Technologists and Technicians
Life, Physical, and Social Science Technicians
Media and Communication Equipment Workers

Sales

Other Sales and Related Workers
Retail Sales Workers
Sales Representatives, Services
Sales Representatives, Wholesale and Manufacturing
Supervisors, Sales Workers

Administrative Support

Financial Clerks
Information and Record Clerks
Legal Support Workers

Material Recording, Scheduling, Dispatching, and Distributing Workers
Other Education, Training, and Library Occupations
Other Office and Administrative Support Workers
Secretaries and Administrative Assistants
Supervisors, Office and Administrative Support Workers

Services

Building Cleaning and Pest Control Workers
Cooks and Food Preparation Workers
Entertainment Attendants and Related Workers
Fire Fighting and Prevention Workers
First-Line Supervisors/Managers, Protective Service Workers
Food and Beverage Serving Workers
Funeral Service Workers
Law Enforcement Workers
Nursing, Psychiatric, and Home Health Aides
Occupational and Physical Therapist Assistants and Aides
Other Food Preparation and Serving Related Workers
Other Healthcare Support Occupations
Other Personal Care and Service Workers
Other Protective Service Workers
Personal Appearance Workers
Supervisors, Food Preparation and Serving Workers
Supervisors, Personal Care and Service Workers
Transportation, Tourism, and Lodging Attendants

Crafts

Construction Trades Workers
Electrical and Electronic Equipment Mechanics, Installers, and Repairers
Extraction Workers
Material Moving Workers
Other Construction and Related Workers
Other Installation, Maintenance, and Repair Occupations
Plant and System Operators
Supervisors of Installation, Maintenance, and Repair Workers
Supervisors, Construction and Extraction Workers
Vehicle and Mobile Equipment Mechanics,

Installers, and Repairers
Woodworkers

Operative Workers

Assemblers and Fabricators
Communications Equipment Operators
Food Processing Workers
Metal Workers and Plastic Workers
Motor Vehicle Operators
Other Production Occupations
Printing Workers
Supervisors, Production Workers
Textile, Apparel, and Furnishings Workers

Transportation

Air Transportation Workers
Other Transportation Workers
Rail Transportation Workers
Supervisors, Transportation and Material
Moving Workers
Water Transportation Workers

Laborers

Agricultural Workers
Animal Care and Service Workers
Fishing and Hunting Workers
Forest, Conservation, and Logging Workers
Grounds Maintenance Workers
Helpers, Construction Trades
Supervisors, Building and Grounds Cleaning
and Maintenance Workers
Supervisors, Farming, Fishing, and Forestry
Workers

Exhibit B: Work Force Report Job Categories-Trade

Brick, Block or Stone Masons

Brickmasons and Blockmasons
Stonemasons

Carpenters

Carpet, floor and Tile Installers and Finishers

Carpet Installers
Floor Layers, except Carpet, Wood and Hard
Tiles
Floor Sanders and Finishers
Tile and Marble Setters

Cement Masons, Concrete Finishers

Cement Masons and Concrete Finishers
Terrazzo Workers and Finishers

Construction Laborers

Drywall Installers, Ceiling Tile Inst

Drywall and Ceiling Tile Installers
Tapers

Electricians

Elevator Installers and Repairers

First-Line Supervisors/Managers

First-line Supervisors/Managers of
Construction Trades and Extraction Workers

Glaziers

Helpers, Construction Trade

Brickmasons, Blockmasons, and Tile and
Marble Setters
Carpenters
Electricians
Painters, Paperhangers, Plasterers and Stucco
Pipelayers, Plumbers, Pipefitters and
Steamfitters
Roofers
All other Construction Trades

Millwrights

Heating, Air Conditioning and Refrigeration
Mechanics and Installers
Mechanical Door Repairers
Control and Valve Installers and Repairers
Other Installation, Maintenance and Repair
Occupations

Misc. Const. Equipment Operators

Paving, Surfacing and Tamping Equipment
Operators
Pile-Driver Operators
Operating Engineers and Other Construction
Equipment Operators

Painters, Const. Maintenance

Painters, Construction and Maintenance
Paperhangers

Pipelayers and Plumbers

Pipelayers
Plumbers, Pipefitters and Steamfitters

Plasterers and Stucco Masons**Roofers****Security Guards & Surveillance Officers****Sheet Metal Workers****Structural Iron and Steel Workers****Welding, Soldering and Brazing Workers**

Welders, Cutter, Solderers and Brazers
Welding, Soldering and Brazing Machine
Setter, Operators and Tenders

Workers, Extractive Crafts, Miners

**LIVING WAGE ORDINANCE
 CERTIFICATION OF COMPLIANCE**
 REQUIRED BY SAN DIEGO MUNICIPAL CODE §22.4225(c)

COMPANY INFORMATION

Company Name: Clean Companies CA
 Company Address: 3629 47th Street San Diego, CA 92105
 Company Contact Name: Joshua Mathis Contact Phone: 802.766.1919

CONTRACT INFORMATION

Contract Number (if no number, state location): 10090201-25-L Start Date:
 Contract Title (or description: Janitorial Maintenance Service at Civic Center End Date:
 Purpose/Service Provided: Janitorial

TERMS OF COMPLIANCE

A contractor or subcontractor working on or under the authority of an agreement subject to the Living Wage Ordinance [LWO] must comply with all applicable provisions unless specifically approved for an exemption. Basic requirements of the LWO are:

- (a) Pay covered employees the current fiscal year hourly wage rate;
- (b) If any lesser amount is applied toward the health benefits rate, add this difference to the hourly wage rate as cash;
- (c) Provide minimum of 80 compensated leave hours per year for illness, vacation, or personal need at the employee's request and permit 80 additional unpaid leave hours for personal or family illness when accrued compensated leave hours have been used;
- (d) Annually distribute a notice with the first paycheck after July 1 to inform all covered employees of LWO requirements, their possible right to Federal Earned Income Tax Credit, and possible availability of health insurance coverage under the Affordable Care Act;
- (e) Prohibit retaliation against any covered employee who alleges noncompliance with the requirements of the LWO;
- (f) Permit access for authorized City representatives to work sites and records to review compliance with the LWO; and
- (g) Maintain wage and benefit records for covered employees for 3 years after final payment.

If a subcontractor fails to submit this completed form, the prime contractor may be found in violation of the LWO for failure to ensure its subcontractor's compliance. This may result in a withholding of payments or termination of the agreement.

CONTRACTOR CERTIFICATION

By signing, the contractor certifies under penalty of perjury under laws of the State of California to the following:


- (a) comply with the requirements of the Living Wage Ordinance; and
- (b) will perform at least fifty percent (50%) of the work with its own employees.

Joshua Mathis

Owner

 Name of Signatory

 Title of Signatory


 Signature

11 Sep 2024
 Date

FOR OFFICIAL CITY USE ONLY

Date of Receipt: LWO Analyst: Contract Number:

SAFETY DATA SHEET



This Safety Data Sheet (SDS) complies with the requirements of the U.S. Federal Occupational Safety and Health Administration Hazard Communication Standard (29 CFR 1910.1200, as updated in 2012) and equivalent state Standards. It has also been developed in accordance with the United Nations Globally Harmonized System of Classification of Chemicals (GHS) and the Canadian Workplace Hazardous Materials Information System (WHMIS). Refer to Section 16 of this document for the definition of terms and abbreviations.

SECTION 1: IDENTIFICATION

1.1 PRODUCT IDENTIFIER

- ITEM NUMBER(S): **162070, 162071**
- PRODUCT NAME: **WAXIE-Green Spring Mint Plus Liquid Microbes**
 - 1 QT: 162070
 - 1 GL: 162071

1.2 RELEVANT IDENTIFIED USES OF THE MIXTURE

- RECOMMENDED USE: Biologically-based hard surface cleaner and deodorizer.
- IDENTIFIED USERS: For sale to, use and storage by service persons only.

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

- MANUFACTURER/
SUPPLIER: **Waxie's Enterprises, LLC, an Envoy Solutions Company**
- ADDRESS: 9353 Waxie Way; San Diego, CA 92123-1036
- BUSINESS PHONE: 1-800-995-4466
- EMERGENCY PHONE: 1-800-255-3924 (CHEMTEL; 24 hours)

1.4 OTHER PERTINENT INFORMATION

- The relevant hazard and safety data are specified for both the **Product as SOLD** and **Product at USE DILUTION**, where appropriate.
- Product certified for reduced environmental impact. View specific attributes evaluated: ul.com/el (UL 2792).

SECTION 2: HAZARD IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

OSHA/HCS Status **Product as SOLD**
Classification of the Substance or Mixture Acute Toxicity (Oral, Category 5)

Product at USE DILUTION

Not rated as a hazardous material under OSHA hazard classification definitions (29 CFR 1910.1200, Appendices A and B). The following label elements have been prepared based on prudent practice for use, accident response and storage.

2.2 LABEL ELEMENTS:

ELEMENT	Product as SOLD
Hazard Pictograms	Not applicable.
Signal Word	WARNING
Hazard Statements	H303: May be harmful if swallowed.
Precautionary Statements	
Prevention	P102: Keep out of reach of children. P103: Read label before use. P264: Rinse exposed skin after use.

Product at USE DILUTION

Not applicable.
Not applicable.
Not applicable.

P103: Read label before use.
P264: Rinse exposed skin after use.

SECTION 2: HAZARD IDENTIFICATION (Continued)

2.2 LABEL ELEMENTS (Continued)

ELEMENT Product as SOLD

Precautionary Statements

Response P301+330+312: IF SWALLOWED: Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.

Storage P410+403+402: Store in a cool dry place at room temperature away from direct sunlight. Triple rinse container and offer for recycling.

Disposal P501: Dispose of contents and container according to the local, city, state, and federal regulations.

Product at USE DILUTION

P313: In case of accidental exposure, seek medical advice if irritation persists.

(No P Code Specified): Store in a cool dry place at room temperature away from direct sunlight.

(No P Code Specified): Triple rinse container and offer for recycling. Dispose of contents and container according to the local, city, state, and federal regulations.

2.3 OTHER PERTINENT HAZARDS NOT OTHERWISE CLASSIFIED

- Not applicable.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1/3.2 **SUBSTANCES/MIXTURES:** The following table pertains to product composition.

CHEMICAL	CAS NUMBER	GHS HAZARD CLASSIFICATION FOR CHEMICAL	% (w/w)
Viabile Bacillus Cultures		Not rated as hazardous.	10
Alcohols, C9-11, Ethoxylated	68439-46-3	Acute Toxicity (Oral, Category 4); Skin Corrosion/Irritation (Category 2A); Eye Damage/Irritation (Category 2); Aquatic Toxicity (Chronic, Category 4)	1.2
Proxel GXL - Mixture	Not applicable.	Serious eye damage (Category 1), Skin corrosion/Irritation (Category 1)	1.0
Kathon CG / ICP - Mixture	Not applicable.	Serious eye damage (Category 1), Skin corrosion/Irritation (Category 1)	1.0
Monopotassium Phosphate	7778-77-0	Not classified.	< 0.1
Dipotassium Phosphate	7758-11-4	Not classified.	< 0.1
Water	7732-18-5	Not classified.	Balance

SECTION 4: FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES

AREA EXPOSED

Eye Contact

Skin Contact

Inhalation

Ingestion

Product as SOLD

Flush with copious amounts of water for 15 minutes. "Roll" eyes during flush. Check for and remove contact lenses. Seek medical attention if irritation persists.

Flush area with warm, running water for several minutes. Seek medical attention if irritation persists.

Obtain fresh air.

If conscious only: Rinse mouth with water. Do not induce vomiting. Contact a Poison Control Center or physician for instructions.

Product at USE DILUTION

Flush with copious amounts of water for 15 minutes. "Roll" eyes during flush. Check for and remove contact lenses. Seek medical attention if irritation persists.

Flush area with warm, running water for several minutes.

Obtain fresh air.

If conscious only: Rinse mouth with water. Do not induce vomiting. Contact a Poison Control Center or physician for instructions.

SECTION 4: FIRST AID MEASURES (Continued)

4.2 MOST IMPORTANT ACUTE AND CHRONIC EXPOSURE SYMPTOMS

- ACUTE HEALTH EFFECTS:

AREA EXPOSED	Product as SOLD	Product at USE DILUTION
Eye Contact	May cause eye irritation, depending on the duration of skin contact.	Diluted product is not anticipated to cause adverse effects under typical circumstances if first aid is rendered promptly. No known significant effects or critical hazards.
Skin Contact	Prolonged contact has the potential to be mildly irritating.	No known significant effects or critical hazards.
Inhalation	May cause respiratory tract irritation; symptoms may include coughing and sneezing.	No known significant effects or critical hazards.
Ingestion	May cause gastrointestinal system irritation; symptoms may include pain, sore throat, nausea, and vomiting.	No known significant effects or critical hazards.

- CHRONIC HEALTH EFFECTS:

Product as SOLD	Product at USE DILUTION
None reported.	None reported.

- TARGET ORGANS:

Product as SOLD	Product at USE DILUTION
None reported.	None reported.

4.3 INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

The following information is for both **Product AS SOLD** and **Product at USE DILUTION**.

- GENERAL INFORMATION: For all exposures:** In case of accident, or if you feel unwell, seek medical advice immediately. Take this document and a copy of the label to the healthcare professional.
- RECOMMENDATIONS TO PHYSICIANS:** Treat symptomatically.
- MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE:** None reported.

SECTION 5: FIREFIGHTING MEASURES



Unless stated, information in this section is for both **Product as SOLD** and **Product at USE DILUTION**.

5.1 EXTINGUISHING MEDIA

- RECOMMENDED FIRE EXTINGUISHING MEDIA:** Water Spray, Water Jet, Dry Powder, Foam, Carbon Dioxide, or any other.
- UNSUITABLE FIRE EXTINGUISHING MEDIA:** None known.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

- NFPA FLAMMABILITY CLASSIFICATION:

Classification	Product as SOLD	Product at USE DILUTION
NFPA Rating		
NFPA Classification	Not flammable.	Not flammable.

- UNUSUAL HAZARDS IN FIRE SITUATIONS:

Decomposition Products	Carbon dioxide, carbon monoxide, and irritating vapors.
Explosion Sensitivity to Mechanical Impact	Not applicable.
Explosion Sensitivity to Static Discharge	Not applicable.

SECTION 5: FIREFIGHTING MEASURES (Continued)

5.3 ADVICE FOR FIREFIGHTERS

- Self-Contained Breathing Apparatus and full protective equipment for fire response should be worn in any situation. Move containers from fire area if it can be done without risk to personnel. Otherwise, use water spray to keep fire-exposed containers cool. Because this product is a cleaning agent, any equipment that comes in contact with this solution can be rinsed thoroughly with water and then returned to service.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Unless stated, information in this section is for both **Product as SOLD** and **Product at USE DILUTION**.

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES

- **RESPONSE TO INCIDENTAL RELEASES:** Personnel who have received basic chemical safety training can generally handle small-scale releases. Gloves and safety glasses must be worn when cleaning-up spills. Use caution during clean-up; contaminated floors and items may be slippery.
- **RESPONSE TO NON-INCIDENTAL RELEASES:** Generally, releases of this product will be no larger than the loss of one shipment of material (therefore, 4 gallons or less). Subsequently, personnel can follow the instructions for incidental releases. As needed, respond to non-incidental chemical releases of this product (such as the simultaneous destruction of several pallets of this product) by clearing the impacted area and contacting appropriate emergency personnel.

In the unlikely event of a multi-container release of the **PRODUCT AS SOLD**, and with no other hazardous condition in the area, the use of an air-purifying respirator with particulate filter, face-shield, safety glasses, and double gloves (e.g. nitrile over latex gloves), and body protection is recommended if splashes/sprays/mists can be generated during clean-up.

- **RESPONSE PROCEDURES FOR ANY RELEASE:** Absorb spilled liquid with polypads or other suitable absorbent materials. Rinse area thoroughly. Because this product is a cleaning agent, all items that come in contact with the solution can be returned to service after rinsing.

6.2 ENVIRONMENTAL PRECAUTIONS

- Avoid response actions that can cause a release of a significant amount of product (more than 4 gallons) into the environment. Avoid accidental dispersal of spilled material into soil, waterways and sewers.

6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

- **SPILL RESPONSE EQUIPMENT:** Polypad or other absorbent material.

6.4 REFERENCES TO OTHER SECTIONS

- **SECTION 8:** For exposure levels and detailed personal protective equipment recommendations.
- **SECTION 13:** For waste handling guidelines.

SECTION 7: HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

	<u>Product as SOLD</u>	<u>Product at USE DILUTION</u>
Hygiene Practices	Keep out of reach of children. Follow good chemical hygiene practices. Do not smoke, drink, eat, or apply cosmetics in the chemical use area. Avoid inhalation of mists and sprays. Use in well-ventilated area. Avoid contact with skin or eyes. Remove contaminated clothing promptly. Clean up spilled product immediately.	Keep out of reach of children. Follow good chemical hygiene practices. Do not smoke, drink, eat, or apply cosmetics in the chemical use area. Avoid inhalation of mists and sprays. Use in well-ventilated area. Avoid contact with skin or eyes. Remove contaminated clothing promptly. Clean up spilled product immediately.
Handling Practices	Employees must be appropriately trained to use this product safely as needed. Keep containers closed when not in use.	Employees must be appropriately trained to use this product safely as needed. Keep containers closed when not in use.

SECTION 7: HANDLING AND STORAGE (Continued)

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

	<u>Product as SOLD</u>	<u>Product at USE DILUTION</u>
Storage Practices	Ensure all containers are correctly labeled. Store containers away from direct sunlight, sources of intense heat, or where freezing is possible. Store this product away from incompatible chemicals. Inspect all incoming containers before storage, to ensure containers are properly labeled and not damaged. Empty containers may contain residual liquid; therefore, empty containers should be handled with care.	Ensure all containers are correctly labeled. Store containers away from direct sunlight, sources of intense heat, or where freezing is possible. Store this product away from incompatible chemicals.
Incompatibilities	See Section 10 (Stability and Reactivity).	See Section 10 (Stability and Reactivity).

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

- **AIRBORNE EXPOSURE LIMITS:** Not applicable.
- **BIOLOGICAL OCCUPATIONAL EXPOSURE LIMITS:** Not established.


8.2 EXPOSURE CONTROLS

- **PRODUCT AS SOLD**

Engineering Controls	Use in well-ventilated environment.
Respiratory Protection	None needed in normal circumstances of use.
Hand Protection	Neoprene, PVC, or butyl gloves are recommended if there is a potential for skin contact. Ensure gloves are intact prior to use.
Eye Protection	Safety glasses if splashes/sprays can occur when using.
Body Protection	None needed in normal circumstances of use.
- **IN USE DILUTION**

Personal Precautions	Use in well-ventilated environment. No personal protection is typically required for most circumstances of use. If there is a possibility for extended periods of use of this product, or larger than normal volumes, refer to Recommendations for Use information above.
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8.3 PERSONAL PROTECTION SYMBOLS

<p>Hand Protection (If skin contact is anticipated)</p>	<p style="text-align: center;"><u>Product as SOLD</u></p> 	<p style="text-align: center;"><u>Product at USE DILUTION</u></p> <p>No gloves required.</p>
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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

	<u>Product as SOLD</u>	<u>Product at USE DILUTION</u>
Appearance	Milky liquid.	Milky liquid.
Odor	Mint.	Mint
Odor Threshold	Not determined.	Not determined.
pH	7.0	7.0
Melting Point/Freezing Point	Approx. 0°C (32 °F).	Approx. 0°C (32 °F).
Initial Boiling Point/Boiling Range	99°C (210 °F).	Approximately 100°C (212°F).
Flash Point	Not applicable.	Not applicable.
Evaporation Rate (Water = 1)	Approx. 1.0.	Approx. 1.0.
Flammability	Not applicable.	Not applicable.
Upper/Lower Explosive Limits	Not applicable.	Not applicable.
Vapor Pressure	Not determined.	Not determined.
Vapor Density	Not determined.	Not determined.
Relative Density	> 1.0.	> 1.0.
Solubility	Completely soluble in water.	Completely soluble in water.
Partition Coefficient/n-octanol/water	Not determined.	Not determined.
Autoignition Temperature	Not applicable.	Not applicable.
Decomposition Temperature	Not determined.	Not determined.
Viscosity	Not determined.	Not determined.

9.2 OTHER INFORMATION

- **VOC (less water & exempt):** Not applicable.
- **WEIGHT% VOC:** Not applicable.

SECTION 10: STABILITY AND REACTIVITY

Unless stated, information in this section is for both **Product as SOLD** and **Product at USE DILUTION**.

10.1 REACTIVITY

- Not reactive under typical conditions of use or handling.

10.2 CHEMICAL STABILITY

- Normally stable under standard temperatures and pressures.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS

- This product is not self-reactive, water-reactive, or air-reactive.
- This product will not undergo hazardous polymerization.

10.4 CONDITIONS TO AVOID

- Avoid contact with incompatible chemicals.
- Because of the bacillus culture, store away from extremes of heat and cold, and store away from direct sunlight.

10.5 INCOMPATIBLE MATERIALS

- Strong oxidizing agents, strong acids, strong bases, water reactive materials.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

- Products of thermal decomposition of this product include oxides of carbon (i.e., carbon monoxide and carbon dioxide.)

SECTION 11: TOXICOLOGICAL INFORMATION

Unless stated, information in this section is for both **Product as SOLD** and **Product at USE DILUTION**.

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

- **ACUTE TOXICITY:** Product – Estimated LD₅₀ (Oral, Rat) > 4,000 mg/kg
 - **TOXICOLOGY DATA:** The following data are available for the hazardous components in this product listed in Section 3 (Composition/Information on Ingredients).

BACILLUS CULTURES

Viable Bacillus Cultures are Class I and Non-Pathogenic

ALCOHOLS, C9-11, ETHOXYLATED

LD₅₀ (Oral, Rat) = 1000 mg/kg

- **DEGREE OF IRRITATION:** See Section 4 (First Aid Measures) for more details.

Product as SOLD

May irritate the eyes.

Product at USE DILUTION

May irritate the eyes.

- The following irritation data are available for components of this product:

ALCOHOLS, C9-11, ETHOXYLATED

Skin corrosion/irritation (Rabbit) = Skin irritation/ 24 hours

Eye damage/irritation (Rabbit) = Severe eye irritation/ 24 hours

- **SENSITIZATION:** The components of this product are not reported to have skin or respiratory sensitization effects.
- **REVIEW OF ACUTE SYMPTOMS AND EFFECTS BY ROUTE OF EXPOSURE:** See Section 2 (Hazards Information) and Section 4 (First Aid Measures) for additional details.

Product as SOLD

Eyes

May irritate the eyes.

Skin

May cause mild skin irritation.

Inhalation

May cause respiratory tract irritation.

Ingestion

May cause gastrointestinal system irritation.

Product at USE DILUTION

No known significant effects or critical hazards.

No known significant effects or critical hazards.

No known significant effects or critical hazards.

No known significant effects or critical hazards.

- **CHRONIC TOXICITY:**
 - **CARCINOGENICITY STATUS:** No component is listed as a known or suspected carcinogen by NTP, IARC, or OSHA.
 - **REPRODUCTIVE TOXICITY INFORMATION:** The components of this product are not reported to cause reproductive effects under typical circumstances of exposure.
 - **MUTAGENIC EFFECTS:** The components of this product are not reported to cause mutagenic effects under typical circumstances of exposure.
 - **SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE:** Not applicable.
 - **SPECIFIC TARGET ORGAN TOXICITY – REPEATED EXPOSURE:** Not applicable.
 - **ASPIRATION HAZARD:** Not applicable.
- **OTHER INFORMATION:**
 - **TOXICOLOGICALLY SYNERGISTIC PRODUCTS:** None known.
 - **ADDITIONAL TOXICOLOGY:** Not applicable.

SECTION 12: ECOLOGICAL INFORMATION

Unless stated, information in this section is for both **Product as SOLD** and **Product at USE DILUTION**.

12.1 TOXICITY

- Based on available data, this product is not anticipated to be harmful or fatal to contaminated terrestrial or aquatic plants or animals.
- The following aquatic toxicity data are available for components of this product:

ALCOHOLS, C9-11, ETHOXYLATED

LC50 - Cyprinus carpio (Carp) - 1.4 mg/l - 96 hours

LC50 - Daphnia magna (Water flea) - 6.46 mg/l - 48 hours

12.2 PERSISTENCE AND DEGRADABILITY

- When released into the soil, the components of this product are expected to biodegrade, dissipate in soils via oxidation, or otherwise chemically degrade or photo-decompose via solar radiation.

12.3 BIOACCUMULATIVE POTENTIAL

- This product is not anticipated to bioaccumulate significantly.

12.4 MOBILITY IN SOIL

- It is to be expected this product will have some mobility in soil.

12.5 OTHER ADVERSE EFFECTS

- None reported.

SECTION 13: DISPOSAL CONSIDERATION

13.1 WASTE TREATMENT METHODS

Product as SOLD

Dispose of in accordance with local, State and Federal regulations.

Product at USE DILUTION

Diluted product can be flushed to sanitary sewer. Discard empty container into trash.

13.2 DISPOSAL CONSIDERATIONS

- EPA RCRA WASTE CODE:** Not applicable.

SECTION 14: TRANSPORT INFORMATION

Information in this section is for **Product as SOLD**.

14.1 DANGEROUS GOODS BASIC DESCRIPTION AND OTHER TRANSPORT INFORMATION

- DEPARTMENT OF TRANSPORTATION HAZARDOUS MATERIALS SHIPPING REGULATIONS:**

UN/NA Number	Proper Shipping Name	Packing Group	Hazard Class	Label	North American Emergency Response Guide #	Marine Pollutant Status
NOT APPLICABLE						

- IATA DESIGNATION:** This product is not regulated as dangerous goods by the International Air Transport Association.
- IMO DESIGNATION:** This product is not regulated as dangerous goods by the International Maritime Organization.

14.2 ENVIRONMENTAL HAZARDS

- None described, as related to transportation.

14.3 SPECIAL PRECAUTIONS FOR USERS

- Not applicable.

14.4 TRANSPORT IN BULK

- Not applicable.

SECTION 15: REGULATORY INFORMATION

Unless stated, information in this section is for both **Product as SOLD** and **Product at USE DILUTION**.

• OTHER IMPORTANT U.S. REGULATIONS

- **U.S. SARA HAZARD CATEGORIES (SECTION 311/312, 40 CFR 370-21):** Acute Toxicity.
- **U.S. CERCLA REPORTABLE QUANTITY (RQ):** Not applicable.
- **U.S. SARA 313:** No component is subject to the reporting requirements of SARA Title III, Section 313.
- **U.S. TSCA INVENTORY STATUS:** All components are listed or exempted.
- **CALIFORNIA SAFE DRINKING WATER ACT (PROPOSITION 65) STATUS:** Not applicable.

• INTERNATIONAL REGULATIONS

- **CANADIAN REGULATORY STATUS: CANADIAN REGULATORY STATUS:** The product is classified as hazardous under Hazardous Products Regulations (SOR-2022-272).
 - WHMIS 2015: See section 2.
 - This SDS contains all the information required by the HPR.
- **CANADIAN DSL/NDSL INVENTORY STATUS:** The listed components of this product are on the DSL/NDSL Inventory.
- **CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITY SUBSTANCES LISTS:** The components of this product are not on the CEPA Priority Substances Lists.

SECTION 16: OTHER INFORMATION

16.1 INDICATION OF CHANGE

- **DATE OF REVISION:** February 22, 2023
- **SUPERCEDES:** December 14, 2020
- **CHANGE INDICATED:** Update of manufacturer information, addition of H/P Codes; regulatory review and update; establishing distinction between professional and consumer use personal protective equipment.

16.2 KEY LITERATURE REFERENCES AND SOURCES FOR DATA

- SAFETY DATA SHEETS FOR COMPONENT PRODUCTS.
- Federal OSHA Hazard Communication Standard: 29 CFR 1910.1200.

16.3 HAZARDOUS MATERIALS CLASSIFICATION SYSTEM

Product as SOLD

Health	0	HMIS Personal
Flammability	0	Protective Equipment
Physical Hazard	0	Rating: Occupational
Protective Equipment	B	Use situations: B - Safety glasses and gloves, if splashes/sprays can be generated.

Product at USE DILUTION

Health	0	HMIS Personal Protective
Flammability	0	Equipment Rating:
Physical Hazard	0	Occupational Use
Protective Equipment	Not applicable	situations: No protective equipment is needed under normal circumstances of use and handling.

16.4 DISCLAIMER

Waxie's Enterprises, LLC, an Envoy Solutions Company (WAXIE), makes no warranty, representation or guarantee as to the accuracy, sufficiency or completeness of the material set forth herein. It is the user's responsibility to determine the safety, toxicity and suitability of their own use, handling, and disposal of this product. Since actual use by others is beyond our control, no warranty, expressed or implied, is made by WAXIE as to the effects of such use, the results to be obtained or the safety and toxicity of this product, nor does WAXIE assume any liability arising out of the use by others of this product referred to herein. The data in this SDS relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. WAXIE does not recommend blending this product with any other chemicals. All information, recommendations and data contained herein concerning this product are based upon information available at the time of writing from recognized technical sources.

SECTION 16: OTHER INFORMATION (Continued)

16.5 ABBREVIATIONS AND ACRONYMS

ALL SECTIONS: OSHA: U.S. Federal Occupational Safety and Health Administration. WHMIS: Canadian Workplace Hazardous Materials Standard. GHS: Globally Harmonized System of Classification of Chemical Substances.

SECTION 3: CAS Number: Chemical Abstract Service Number, which is used by the American Chemical Society to uniquely identify a chemical.

SECTION 5: NFPA: National Fire Protection Association. NFPA FLAMMABILITY CLASSIFICATION: The NFPA uses the flash point (F.I.P.) and boiling point (BP) to classify flammable or combustible liquids. Class IA: F.I.P. below 73°F and BP below 100°F. Class IB: F.I.P. below 73°F and BP at or above 100°F. Class IC: F.I.P. at or above 73°F and BP at or above 100°F. Class II: F.I.P. at or above 100°F and below 140°F. Class IIIA: F.I.P. at or above 140°F and below 200°F. Class IIIB: F.I.P. at or above 200°F. NFPA HAZARDOUS MATERIALS RATING: This is a rating system used to summarize physical and health hazards to firefighters. 0 = No Significant Hazard. 1 = Slight Hazard. 2 = Moderate Hazard. 3 = Severe Hazard. 4 = Extreme Hazard.

SECTION 8: NE: Not established. ACGIH: American Conference of Government Industrial Hygienists; TWA: Time-Weighted Average (over an 8-hour work day); STEL: Short-Term Exposure Limit (15-minute average, no more than 4-times daily and each exposure separated by one-hour minimally); C: Ceiling Limit (concentration not to be exceeded in a work environment). PEL: Permissible Exposure Limit. NIOSH: National Institute of Occupational Safety and Health; REL: Recommended Exposure Limit. ppm: Parts per Million. mg/m³: Milligrams per cubic meter. mppcf: Millions of Particles per Cubic Foot. BEI: Biological Exposure Limit. CA: California - TABLE AC-1 Permissible Exposure Limits for Airborne Contaminants

SECTION 9: pH: Scale (0 to 14) used to rate the acidity or alkalinity of aqueous solutions. For example, a pH value of 0 indicates a strongly acidic solution, pH of 7 indicates a neutral solution, and a pH value of 14 indicates an extremely basic solution. FLASH POINT: Temperature at which a liquid generates enough flammable vapors so that ignition may occur. AUTOIGNITION TEMPERATURE: Temperature at which spontaneous ignition occurs. LOWER EXPLOSIVE LIMIT (LEL): The minimal concentration of flammable vapors in air which will sustain ignition. UPPER EXPLOSIVE LIMIT (UEL): The maximum concentration of flammable vapors in air which will sustain ignition. ≈: Approximately symbol. VOC: Volatile Organic Compound.

SECTION 11: CARCINOGENICITY STATUS: NTP: National Toxicology Program. IARC: International Agency for Research on Cancer. REPRODUCTIVE TOXICITY INFORMATION: Mutagen: Substance capable of causing chromosomal damage to cells. Embryotoxin: Substance capable of damaging the developing embryo in an overexposed female. Teratogen: Substance capable of damaging the developing fetus in an overexposed female. Reproductive toxin: Substance capable of adversely affecting male or female reproductive organs or functions. TOXICOLOGY DATA: LD_{xx} or LC_{xx}: The Lethal Dose or Lethal Concentration of a substance which will be fatal to a given percentage (xx) of exposed test animals by the designate route of administration. This value is used to assess the toxicity of chemical substances to humans. TD_{xx} or TC_{xx}: The Toxic Dose or Toxic Concentration of a substance which will cause an adverse effect to a given percentage (xx) of exposed test animals by the designate route of administration.

SECTION 12: EC50: Effect Concentration (on 50% of study group); BOD: Biological Oxygen Demand. COD: Chemical Oxygen Demand. ThOD: Theoretical Oxygen Demand. TLM: Median Tolerance Limit.

SECTION 13: RCRA: Resource Conservation and Recovery Act. The regulations promulgated under this Act are found in 40 CFR, Sections 260 ff, and define the requirements of hazardous waste generation, transport, treatment, storage, and disposal. EPA RCRA Waste Codes: Defined in 40 CFR Section 261.

SECTION 15: CERCLA: Comprehensive Environmental Response Compensation and Liability Act (a.k.a. "Superfund") and SARA: (Superfund Amendment and Reauthorization Act). The regulations promulgated under this Act are located under 40 CFR 300 ff. and provide "community right-to-know" requirements. TSCA: Toxic Substances Control Act: Rules regulating the manufacture and sale of chemicals found in 40 CFR 700-766. DSL/NDSL: Canadian Domestic Substances and Non-Domestic Substances Lists.

SECTION 16: HAZARDOUS MATERIALS IDENTIFICATION SYSTEM RATING: This is a rating system used by industry to summarize physical and health hazards to chemical users and was originally developed by the National Paint and Coating Association. 0 = No Significant Hazard. 1 = Slight Hazard. 2 = Moderate Hazard. 3 = Severe Hazard. 4 = Extreme Hazard.

HOJA DE DATOS DE SEGURIDAD



Esta Hoja de datos de seguridad (SDS) cumple con los requisitos de la Norma federal de comunicación de riesgos de la Administración de Seguridad y Salud Ocupacional de los EE. UU. (CFR 29, 1910.1200, conforme a la actualización de 2012) y las normas estatales equivalentes. También ha sido desarrollada de acuerdo con el Sistema Mundialmente Armonizado de Clasificación de Productos Químicos de las Naciones Unidas (GHS) y el Sistema de Información de Materiales Peligrosos en el Lugar de Trabajo, de Canadá (WHMIS). Consulte la sección 16 de este documento para conocer la definición de los términos y abreviaturas.

SECCIÓN 1: IDENTIFICACIÓN

1.1 IDENTIFICADOR DEL PRODUCTO

- NÚMERO(S) DE ARTÍCULO: **162070, 162071**
- NOMBRE DEL PRODUCTO: **WAXIE-Green Spring Mint Plus Microbios líquidos**
 - 1 QT: 162070
 - 1 GL: 162071

1.2 USOS RELEVANTES E IDENTIFICADOS DE LA MEZCLA

- USO RECOMENDADO: Limpiador y desodorizante con base biológica para superficies duras.
- USUARIOS IDENTIFICADOS: Para la venta, uso y almacenamiento solo por parte del personal de servicio.

1.3 DETALLES DEL PROVEEDOR DE LA HOJA DE DATOS DE SEGURIDAD

- FABRICANTE/PROVEEDOR: **Waxie's Enterprises, LLC, una empresa de Envoy Solutions**
- DIRECCIÓN: 9353 Waxie Way; San Diego, CA 92123-1036
- TELÉFONO DE OFICINA: 1-800-995-4466
- TELÉFONO DE EMERGENCIAS: 1-800-255-3924 (CHEMTEL; las 24 horas)

1.4 OTRA INFORMACIÓN PERTINENTE

- Los datos relevantes sobre el riesgo y la seguridad se especifican para el **Producto COMERCIALIZADO** y el **Producto DILUIDO AL USARLO**, según corresponda.
- Este producto está certificado por producir un impacto ambiental reducido. Ver la evaluación de los atributos específicos: ul.com/el (UL 2792).

SECCIÓN 2: IDENTIFICACIÓN DE RIESGOS

2.1 CLASIFICACIÓN DE LA SUSTANCIA O MEZCLA

Estado según la OSHA/HCS

Producto COMERCIALIZADO

Clasificación de la sustancia o mezcla **Toxicidad aguda (oral, categoría 5)**

Producto DILUIDO AL USARLO

No clasificado como material peligroso según las definiciones de clasificación de peligros de OSHA (29 CFR 1910.1200, Apéndices A y B). Los siguientes elementos de la etiqueta se han preparado sobre la base de prácticas prudentes de uso, respuesta

2.2 ELEMENTOS DE LA ETIQUETA:

ELEMENTO

Producto COMERCIALIZADO

Producto DILUIDO AL USARLO

Pictogramas de riesgo

No corresponde.

No corresponde

Palabra de advertencia

ATENCIÓN

No corresponde

Declaraciones del riesgo

H303: Puede ser nocivo en caso de ingestión.

No corresponde

Declaraciones de precaución

Prevención

P102: Mantener fuera del alcance de los niños. P103: Leer la etiqueta antes del uso.

P264: Enjuague la piel expuesta después de su uso.

P103: Leer la etiqueta antes del uso.
P264: Enjuague la piel expuesta después de su uso.

SECCIÓN 2: IDENTIFICACIÓN DE RIESGOS (continuación)

2.2 ELEMENTOS DE LA ETIQUETA (continuación)

ELEMENTO	Producto COMERCIALIZADO	Producto DILUIDO AL USARLO
Declaraciones de precaución		
Respuesta	P301+330+312: En caso de ingestión: Enjuagar la boca. Llamar un centro de toxicología o médico si la persona se encuentra mal.	P313: En caso de exposición accidental, consulte a un médico si persiste la irritación.
Almacenamiento	P410+403+402 Almacene en un lugar fresco y seco a temperatura ambiente, lejos de la luz solar directa. Triple enjuague contenedor y oferta para reciclaje.	(No se especifica el código P): Almacene en un lugar fresco y seco a temperatura ambiente, lejos de la luz solar directa.
Eliminación	P501: Deseche el contenido y el recipiente de acuerdo con las regulaciones locales, de la ciudad, estatales y federales.	(No se especifica el código P): Triple enjuague contenedor y oferta para reciclaje. Deseche el contenido y el recipiente de acuerdo con las regulaciones locales, de la ciudad, estatales y federales.

2.3 OTROS RIESGOS PERTINENTES NO CLASIFICADOS DE OTRA MANERA

- No corresponde.

SECCIÓN 3: COMPOSICIÓN/INFORMACIÓN SOBRE INGREDIENTES

3.1/3.2 **SUSTANCIAS/MEZCLAS:** La siguiente tabla está relacionada con la composición del producto.

QUÍMICAS	NÚMERO DE CAS	CLASIFICACIÓN DE RIESGO DE GHS POR SUSTANCIAS QUÍMICAS	% (w/w)
Cultivos viables de bacilos		No está clasificado como peligroso.	10
Alcoholes, C9-11, etoxilados	68439-46-3	Toxicidad aguda (oral, categoría 4); corrosión o irritación de la piel (categoría 2A); daños o irritación de los ojos (categoría 2); toxicidad acuática (crónica, categoría 4)	1.2
Proxel GXL - Mezcla	No corresponde.	Daño grave a los ojos (categoría 1), corrosión/irritación de la piel (categoría 1)	1.0
Kathon CG / ICP - Mezcla	No corresponde.	Daño grave a los ojos (categoría 1), corrosión/irritación de la piel (categoría 1)	1.0
Fosfato monopotásico	7778-77-0	No clasificado.	< 0.1
Fosfato dipotásico	7758-11-4	No clasificado.	< 0.1
Agua	7732-18-5	No clasificado.	Balance

SECCIÓN 4: MEDIDAS DE PRIMEROS AUXILIOS

4.1 DESCRIPCIÓN DE LAS MEDIDAS DE PRIMEROS AUXILIOS

ÁREA EXPUESTA	Producto COMERCIALIZADO	Producto DILUIDO AL USARLO
Contacto con los ojos	Enjuague con abundante agua durante 15 minutos. Mire hacia arriba mientras se enjuaga los ojos. Quítese los lentes de contacto. Si la irritación persiste, busque atención médica.	Enjuague con abundante agua durante 15 minutos. Mire hacia arriba mientras se enjuaga los ojos. Quítese los lentes de contacto. Si la irritación persiste, busque atención médica.
Contacto con la piel	Enjuague el área con agua tibia y corriente durante varios minutos. Si la irritación persiste, busque atención médica.	Enjuague el área con agua tibia y corriente durante varios minutos.
Inhalación	Salga al aire fresco.	Salga al aire fresco.
Ingestión	Si está consciente: Enjuáguese la boca con agua. Póngase en contacto con un Centro para el Control de Envenenamientos o con un médico y siga las indicaciones.	Si está consciente: Enjuáguese la boca con agua. No induzca el vómito. Póngase en contacto con un Centro para el Control de Envenenamientos o con un médico y siga las indicaciones.

SECCIÓN 4: MEDIDAS DE PRIMEROS AUXILIOS (continuación)

4.2 SÍNTOMAS AGUDOS Y CRÓNICOS MÁS IMPORTANTES COMO RESULTADO DE UNA EXPOSICIÓN

- EFFECTOS AGUDOS EN LA SALUD:

ÁREA EXPUESTA

Producto COMERCIALIZADO

Producto DILUIDO al USARLO

Contacto con los ojos

Puede ocasionar irritación de los ojos, dependiendo de la duración del contacto con la piel.

No se prevé que el producto diluido cause efectos adversos en circunstancias típicas si se prestan los primeros auxilios con prontitud. No se conocen efectos significativos o riesgos críticos.

Contacto con la piel

El contacto prolongado puede tener un efecto de irritación moderado.

No se conocen efectos significativos o riesgos críticos.

Inhalación

Puede ocasionar irritación en las vías respiratorias. Los síntomas pueden incluir tos y estornudos.

No se conocen efectos significativos o riesgos críticos.

Ingestión

Puede ocasionar irritación gastrointestinal. Los síntomas pueden incluir dolor, garganta irritada, náuseas y vómito.

No se conocen efectos significativos o riesgos críticos.

- EFFECTOS CRÓNICOS EN LA SALUD:

Producto COMERCIALIZADO

Producto DILUIDO AL USARLO

No se ha informado ninguno.

No se ha informado ninguno.

- ÓRGANOS QUE AFECTA:

Producto COMERCIALIZADO

Producto DILUIDO AL USARLO

No se ha informado ninguno.

No se ha informado ninguno.

4.3 INDICACIÓN DE ATENCIÓN MÉDICA INMEDIATA Y TRATAMIENTO ESPECIAL NECESARIO:

La siguiente información es para el **Producto COMERCIALIZADO** y el **Producto DILUIDO AL USARLO**.

- INFORMACIÓN GENERAL: Para toda clase de exposiciones:** En caso de accidente, o si no se siente bien, busque atención médica de inmediato. Llévase este documento y una copia de la etiqueta a su consulta con el médico.
- RECOMENDACIONES PARA EL MÉDICO:** Dé tratamiento de acuerdo con los síntomas.
- AFECCIONES MÉDICAS QUE PUEDEN AGRAVARSE CON UNA SOBREEXPOSICIÓN:** No se ha informado ninguna.

SECCIÓN 5: MEDIDAS CONTRA INCENDIOS

A menos que se indique lo contrario, la información de esta sección corresponde al **Producto COMERCIALIZADO** y el **Producto DILUIDO AL USARLO**.

5.1 MEDIO PARA APAGAR UN INCENDIO

- MEDIO RECOMENDADO PARA APAGAR UN INCENDIO:** Spray de agua, chorro de agua, polvo seco, espuma, dióxido de carbono o cualquier otro medio.
- MEDIOS NO ADECUADOS PARA APAGAR UN INCENDIO:** Ninguno conocido.

5.2 RIESGOS ESPECIALES QUE PUEDEN SURGIR DEBIDO A LA SUSTANCIA O MEZCLA

- CLASIFICACIÓN DE NFPA SOBRE INFLAMABILIDAD:

Clasificación

Producto COMERCIALIZADO

Producto DILUIDO AL USARLO

Calificación de NFPA



Clasificación de NFPA

No inflamable.

No inflamable.

- RIESGOS INUSUALES EN CASO DE INCENDIO:

Productos de descomposición

Dióxido de carbono, monóxido de carbono y vapores irritantes.

Susceptibilidad a explosiones en caso de impacto mecánico

No corresponde.

Susceptibilidad a explosiones en caso de descarga estática

No corresponde.

SECCIÓN 5: MEDIDAS CONTRA INCENDIOS (continuación)

5.3 SUGERENCIAS PARA LOS BOMBEROS

- En cualquier situación, debe usar un equipo de protección completo y aparatos de respiración autónomos para apagar incendios. Mueva los contenedores del área del incendio si es posible hacerlo sin poner en riesgo al personal. En caso contrario, utilice spray de agua para mantener frescos los contenedores expuestos al fuego. Debido a que este producto es un agente de limpieza, el equipo que entre en contacto con esta solución se puede enjuagar bien con agua y luego puede volverse a usar.

SECCIÓN 6: MEDIDAS EN CASO DE DERRAME ACCIDENTAL

A menos que se indique lo contrario, la información de esta sección corresponde al **Producto COMERCIALIZADO** y el **Producto DILUIDO AL USARLO**.

6.1 PRECAUCIONES PERSONALES, EQUIPO DE PROTECCIÓN Y PROCEDIMIENTOS DE EMERGENCIA

- **RESPUESTA ANTE DERRAMES ACCIDENTALES:** El personal que ha recibido capacitación básica para la manipulación de sustancias químicas puede manejar los derrames a pequeña escala. Es necesario utilizar guantes y lentes de seguridad al limpiar los derrames. Mientras limpia, tenga cuidado; los pisos y objetos contaminados pueden estar resbalosos.
- **RESPUESTA ANTE DERRAMES NO ACCIDENTALES:** En general, los derrames de este material no irán más allá de la pérdida de un envío de material (es decir, 4 galones o menos). Por lo tanto, el personal puede seguir las instrucciones en caso de derrames accidentales. Según corresponda, responda a los derrames no accidentales de sustancias químicas cuando haya un derrame de este producto (como la destrucción simultánea de varias paletas del producto) limpiando el área afectada y poniéndose en contacto con el personal de emergencias adecuado.

En el caso improbable de que haya un derrame de múltiples contenedores del **PRODUCTO COMERCIALIZADO**, y si no existen otras condiciones peligrosas en el área, se recomienda el uso de una mascarilla purificadora de aire con filtro de partículas, escudo facial, lentes de seguridad y guantes dobles (por ejemplo, guantes de nitrilo sobre otros de látex), y también se recomienda protección corporal si existe la posibilidad de que se generen rocíos o salpicaduras durante la operación de limpieza.

- **PROCEDIMIENTOS DE RESPUESTA ANTE CUALQUIER DERRAME:** Absorba el líquido derramado con polypads u otros materiales absorbentes adecuados. Enjuague bien el área. Debido a que este producto es un agente de limpieza, todos los objetos que entren en contacto con la solución pueden volver a usarse después de enjuagarlos.

6.2 PRECAUCIONES AMBIENTALES

- Evite las acciones de respuesta que puedan ocasionar el derrame de una cantidad significativa del producto (más de 4 galones) en el medioambiente. Evite la dispersión accidental del material derramado en la tierra, vías acuáticas y alcantarillados.

6.3 MÉTODOS Y MATERIALES PARA LA CONTENCIÓN Y LABORES DE LIMPIEZA

- **EQUIPO DE RESPUESTA EN CASO DE DERRAME:** Polypad u otro material absorbente.

6.4 REFERENCIAS A OTRAS SECCIONES

- **SECCIÓN 8:** Para los niveles de exposición y recomendaciones detalladas del equipo de protección personal.
- **SECCIÓN 13:** Para conocer las pautas en el manejo de desperdicios.

SECCIÓN 7: MANIPULACIÓN Y ALMACENAMIENTO

7.1 PRECAUCIONES PARA EL MANEJO SEGURO

	<u>Producto COMERCIALIZADO</u>	<u>Producto DILUIDO AL USARLO</u>
Prácticas de higiene	Manténgase fuera del alcance de los niños. Siga las buenas prácticas de higiene química. No fume, beba, coma ni se aplique cosméticos en el área de uso de sustancias químicas. Evite la inhalación de rocíos y sprays. Utilice en áreas bien ventiladas. Evite el contacto con la piel o los ojos. Retire la vestimenta contaminada inmediatamente. Limpie el producto derramado de inmediato.	Manténgase fuera del alcance de los niños. Siga las buenas prácticas de higiene química. No fume, beba, coma ni se aplique cosméticos en el área de uso de sustancias químicas. Evite la inhalación de rocíos y sprays. Utilice en áreas bien ventiladas. Evite el contacto con la piel o los ojos. Retire la vestimenta contaminada inmediatamente. Limpie el producto derramado de inmediato.
Prácticas de manejo	Los empleados deben estar debidamente capacitados para utilizar este producto de la manera más segura según sea necesario. Mantenga los recipientes cerrados cuando no los use.	Los empleados deben estar debidamente capacitados para utilizar este producto de la manera más segura según sea necesario. Mantenga los recipientes cerrados cuando no los use.

SECCIÓN 7: MANIPULACIÓN Y ALMACENAMIENTO (continuación)

7.2 CONDICIONES PARA EL ALMACENAMIENTO SEGURO, INCLUYENDO CUALQUIER INCOMPATIBILIDAD

	<u>Producto COMERCIALIZADO</u>	<u>Producto DILUIDO AL USARLO</u>
Prácticas de almacenamiento	Asegúrese de que todos los envases estén etiquetados de manera correcta. Conserve los envases fuera de la luz solar directa, de las fuentes intensas de calor o cuando sea posible que se congelen. Conserve este producto alejado de sustancias químicas incompatibles. Revise los contenedores entrantes antes de guardar, para asegurarse de que estén debidamente etiquetados y no se encuentren dañados. Los envases vacíos pueden contener residuos de líquido, por lo tanto, deben manejarse con cuidado.	Asegúrese de que todos los envases estén etiquetados de manera correcta. Conserve los envases fuera de la luz solar directa, de las fuentes intensas de calor o cuando sea posible que se congelen. Almacene este producto alejado de sustancias químicas incompatibles.
Incompatibilidades	Ver la sección 10 (estabilidad y reactividad).	Ver la sección 10 (estabilidad y reactividad).

SECCIÓN 8: CONTROLES DE EXPOSICIÓN/PROTECCIÓN PERSONAL

8.1 PARÁMETROS DE CONTROL

- **LÍMITES DE EXPOSICIÓN EN EL AIRE:** No corresponde.
- **LÍMITES DE EXPOSICIÓN BIOLÓGICA EN EL TRABAJO:** No establecido.

8.2 CONTROLES DE EXPOSICIÓN

• PRODUCTO COMERCIALIZADO

Controles de ingeniería
Protección respiratoria
Protección de mano

Úselo en un ambiente bien ventilado.

Ninguno necesario en circunstancias normales de uso.

Se recomiendan guantes de neopreno, PVC o butilo si existe la posibilidad de contacto con la piel. Asegúrese de que los guantes estén intactos antes de usarlos.

Protección para los ojos
Protección corporal

Gafas de seguridad si se pueden producir salpicaduras/rocíos durante el uso.



Ninguno necesario en circunstancias normales de uso.

• DILUCIÓN EN USO

Precauciones personales

Úselo en un ambiente bien ventilado. Por lo general, no se requiere protección personal para la mayoría de las circunstancias de uso. Si existe la posibilidad de períodos prolongados de uso de este producto, o volúmenes mayores de lo normal, consulte la información de Recomendaciones de uso anterior.

8.3 SÍMBOLOS DE PROTECCIÓN PERSONAL

	<u>Producto COMERCIALIZADO</u>
Protección de mano se prevé contacto con la piel)	
Protección para los ojos (Si pueden ocurrir salpicaduras o aerosoles)	

Producto DILUIDO al USARLO

No se requieren guantes.

No se requiere protección para los ojos.

SECCIÓN 9: PROPIEDADES FÍSICAS Y QUÍMICAS

9.1 INFORMACIÓN SOBRE LAS PROPIEDADES FÍSICAS Y QUÍMICAS BÁSICAS

	<u>Producto COMERCIALIZADO</u>	<u>Producto DILUIDO AL USARLO</u>
Aspecto	Líquido lechoso.	Líquido lechoso.
Olor	Menta.	Menta
Umbral olfativo	No determinado.	No determinado.
pH:	7.0	7.0
Punto de fusión y punto de congelamiento	Aprox. 0 °C (32 °F).	Aprox. 0 °C (32 °F).
Punto de ebullición inicial y rango de ebullición	99 °C (210 °F).	Aproximadamente 100 °C (212 °F).
Punto de inflamación	No corresponde.	No corresponde.
Tasa de evaporación (Agua = 1)	Aprox. 1.0.	Aprox. 1.0.
Inflamabilidad	No corresponde.	No corresponde.
Límites superiores e inferiores de explosividad	No corresponde.	No corresponde.
Presión de vapor	No determinado.	No determinado.
Densidad del vapor	No determinado.	No determinado.
Densidad relativa	> 1.0.	> 1.0.
Solubilidad	Totalmente soluble en agua.	Totalmente soluble en agua.
Coefficiente de partición n-octanol/agua	No determinado.	No determinado.
Temperatura de autoinflamación	No corresponde.	No corresponde.
Temperatura de descomposición	No determinado.	No determinado.
Viscosidad	No determinado.	No determinado.

9.2 INFORMACIÓN ADICIONAL

- VOC (menos agua y exento de solventes): No corresponde.
- PESO % VOC: No corresponde.

SECCIÓN 10: ESTABILIDAD Y REACTIVIDAD

A menos que se indique lo contrario, la información de esta sección corresponde al **Producto COMERCIALIZADO** y el **Producto DILUIDO AL USARLO**.

10.1 REACTIVIDAD

- No es reactivo en condiciones normales de uso o manipulación.

10.2 ESTABILIDAD QUÍMICA

- Es normalmente estable en condiciones estándar de temperatura y presiones.

10.3 POSIBILIDAD DE REACCIONES PELIGROSAS

- Este producto no es autoreactivo, ni reactivo al agua o al aire.
- Este producto no experimentará una polimerización peligrosa.

10.4 CONDICIONES QUE SE DEBEN EVITAR

- Evite el contacto con sustancias químicas incompatibles.
- A causa de los cultivos de bacilos, almacene fuera de temperaturas extremas (frío o calor) y lejos de la luz solar directa.

10.5 MATERIALES INCOMPATIBLES

- Agentes oxidantes fuertes, ácidos fuertes, bases fuertes, materiales reactivos al agua.

10.6 PRODUCTOS DE DESCOMPOSICIÓN PELIGROSA

- Los productos de descomposición térmica de este material incluyen óxidos de carbono (es decir, dióxido y monóxido de carbono).

SECCIÓN 11: INFORMACIÓN TOXICOLÓGICA

A menos que se indique lo contrario, la información de esta sección corresponde al **Producto COMERCIALIZADO** y el **Producto DILUIDO AL USARLO**.

11.1 INFORMACIÓN SOBRE LOS EFECTOS TOXICOLÓGICOS

- **TOXICIDAD AGUDA:** Producto - LD50 estimado (Oral, rata) > 4,000 mg/kg
 - **DATOS DE TOXICIDAD:** Los siguientes datos están disponibles para los componentes peligrosos de este producto enumerados en la sección 3 (Composición e información de los ingredientes).

CULTIVOS DE BACILOS

Los cultivos viables de bacilos son Clase I y no son patógenos

ALCOHOLES, C9-11, ETOXILADOS

LD₅₀ (Oral, rata) = 1000 mg/kg

- **GRADO DE IRRITACIÓN:** Consulte la sección 4 (medidas de primeros auxilios) para obtener más detalles.

Producto COMERCIALIZADO

Puede irritar los ojos.

Producto DILUIDO AL USARLO

Puede irritar los ojos.

- Los siguientes datos sobre irritación están disponibles para los componentes de este producto:

ALCOHOLES, C9-11, ETOXILADOS

Corrosión e irritación de la piel (conejo) = Irritación de la piel/ 24 horas

Daño e irritación de los ojos (conejo) = Irritación grave de los ojos/ 24 horas

- **SENSIBILIZACIÓN:** No se ha informado que los componentes de este producto tengan efectos de sensibilización cutánea o respiratoria.
- **REVISIÓN DE SÍNTOMAS AGUDOS Y EFECTOS POR LA VÍA DE EXPOSICIÓN:** Consulte la sección 2 (información de riesgos) y la sección 4 (medidas de primeros auxilios) para obtener más detalles.

	Producto COMERCIALIZADO	Producto DILUIDO AL USARLO
Ojos	Puede irritar los ojos.	No se conocen efectos significativos o riesgos críticos.
Piel	Puede ocasionar irritación moderada de la piel.	No se conocen efectos significativos o riesgos críticos.
Inhalación	Puede ocasionar irritación en las vías respiratorias.	No se conocen efectos significativos o riesgos críticos.
Ingestión	Puede ocasionar irritación gastrointestinal.	No se conocen efectos significativos o riesgos críticos.

- **TOXICIDAD CRÓNICA:**
 - **CONDICIÓN CARCINÓGENA:** NTP, IARC u OSHA no enumeran ningún componente como cancerígeno conocido o sospechado.
 - **INFORMACIÓN DE TOXICIDAD REPRODUCTIVA:** No se ha informado que los componentes de este producto ocasionen efectos reproductivos en condiciones normales de exposición.
 - **EFECTOS MUTAGÉNICOS:** No se ha informado que los componentes de este producto ocasionen efectos reproductivos en condiciones normales de exposición.
 - **TOXICIDAD ESPECÍFICA EN ÓRGANOS AFECTADOS POR EXPOSICIÓN ÚNICA:** No corresponde.
 - **TOXICIDAD ESPECÍFICA EN ÓRGANOS AFECTADOS POR EXPOSICIÓN REPETIDA:** No corresponde.
 - **RIESGO DE ASPIRACIÓN:** No corresponde.
- **INFORMACIÓN ADICIONAL:**
 - **PRODUCTOS TOXICOLÓGICOS SINÉRGICOS:** Ninguno conocido.
 - **TOXICOLOGÍA ADICIONAL:** No corresponde.

SECCIÓN 12: INFORMACIÓN ECOLÓGICA

A menos que se indique lo contrario, la información de esta sección corresponde al **Producto COMERCIALIZADO** y el **Producto DILUIDO AL USARLO**.

12.1 TOXICIDAD

- En base a los datos disponibles, no está previsto que este producto sea dañino o fatal para plantas o animales acuáticos o terrestres que se hayan contaminado.
- Los siguientes datos sobre toxicidad acuática están disponibles para los componentes de este producto:

ALCOHOLES, C9-11, ETOXILADOS

LC50 - Cyprinus carpio (carpa) - 1.4 mg/l - 96 horas
LC50 - Daphnia magna (pulga de agua) - 6.46 mg/l - 48 horas

12.2 PERSISTENCIA Y DEGRADABILIDAD

- Si se vierten al terreno, se espera que los componentes de este producto se biodegraden, se disipen en la tierra a través de la oxidación, o bien se degraden químicamente o se descompongan a través de la radiación solar.

12.3 POTENCIAL BIOACUMULATIVO

- No está previsto que este producto se bioacumule de manera significativa.

12.4 MOVILIDAD EN EL TERRENO

- Se espera que este producto presente cierta movilidad en el terreno.

12.5 OTROS EFECTOS ADVERSOS

- No se ha informado ninguno.

SECCIÓN 13: NOTAS SOBRE LA ELIMINACIÓN

13.1 MÉTODOS PARA EL TRATAMIENTO DE RESIDUOS

Producto COMERCIALIZADO

Elimine el producto de acuerdo con todas las reglamentaciones federales, estatales y locales.

Producto DILUIDO AL USARLO

El producto diluido se puede enjuagar en una alcantarilla sanitaria. Deseche el envase vacío en la basura.

13.2 NOTAS SOBRE LA ELIMINACIÓN

- CÓDIGO RCRA DE EPA PARA RESIDUOS:** No corresponde.

SECCIÓN 14: INFORMACIÓN DE TRANSPORTE

La información de esta sección corresponde al **Producto COMERCIALIZADO**.

14.1 DESCRIPCIÓN BÁSICA SOBRE MERCANCÍAS PELIGROSAS Y OTRA INFORMACIÓN DE TRANSPORTE

- NORMAS DEL DEPARTAMENTO DEL TRANSPORTE PARA EL ENVÍO DE MATERIALES PELIGROSOS:**

Número de UN/NA	Nombre correcto de envío	Grupo de empaque	Clase de riesgo	Etiqueta	Número de la Guía de Respuestas en caso de Emergencias de Norteamérica	Estado del contaminante marino
NO CORRESPONDE						

- DESIGNACIÓN DE IATA:** Este producto no está considerado como material peligroso por parte de la International Air Transport Association.
- DESIGNACIÓN DE IMO:** Este producto no está considerado como material peligroso por parte de la International Maritime Organization.

14.2 RIESGOS AMBIENTALES

- No se describe ninguno en relación con el transporte.

14.3 PRECAUCIONES ESPECIALES PARA LOS USUARIOS

- No corresponde.

14.4 TRANSPORTE A GRANEL

- No corresponde.

SECCIÓN 15: INFORMACIÓN DE REGLAMENTACIÓN

A menos que se indique lo contrario, la información de esta sección corresponde al **Producto COMERCIALIZADO** y el **Producto DILUIDO AL USARLO**.

15.1 **REGLAMENTACIONES ESPECÍFICAS PARA EL PRODUCTO SOBRE EL MEDIOAMBIENTE, SEGURIDAD Y SALUD**

- **OTRAS REGULACIONES IMPORTANTES DE EE. UU.**
 - **CATEGORÍAS DE RIESGO SARA DE EE. UU. (SECCIÓN 311/312, 40 CFR 370-21):** Toxicidad aguda.
 - **CANTIDAD REPORTABLE (RQ) DE LA CERCLA DE EE. UU.:** No corresponde.
 - **US SARA 313:** Ningún componente está sujeto a los requisitos de informes de SARA Título III, Sección 313.
 - **ESTADO DE INVENTARIO TSCA DE EE. UU.:** Todos los componentes están listados o son exentos.
 - **LEY DE AGUA POTABLE SEGURA DE CALIFORNIA (PROPUESTA 65) ESTADO:** No corresponde.
- **REGULACIONES INTERNACIONALES**
 - **ESTATUS REGULATORIO CANADIENSE: ESTATUS REGULATORIO CANADIENSE:** El producto está clasificado como peligroso según las Regulaciones de Productos Peligrosos (SOR-2022-272).
 - WHMIS 2015: Consulte la sección 2.
 - Esta SDS contiene toda la información requerida por el HPR.
 - **ESTADO DEL INVENTARIO CANADIENSE DE DSL/NDSL:** Los componentes enumerados de este producto están en el Inventario de DSL/NDSL.
 - **LISTAS DE SUSTANCIAS PRIORITARIAS DE LA LEY DE PROTECCIÓN AMBIENTAL DE CANADÁ (CEPA):** Los componentes de este producto no están en las listas de sustancias prioritarias de CEPA.

SECCIÓN 16: INFORMACIÓN ADICIONAL

16.1 **INDICACIÓN DE CAMBIOS**

- **FECHA DE REVISIÓN:** 22 de febrero de 2023
- **ANULA:** 14 de diciembre de 2020
- **CAMBIO INDICADO:** Actualización de la información del fabricante, adición de Códigos H/P; revisión y actualización regulatoria; estableciendo distinción entre equipos de protección personal de uso profesional y de consumo.

16.2 **REFERENCIAS CLAVE A DOCUMENTOS Y FUENTES DE DATOS**

- HOJAS DE DATOS DE SEGURIDAD PARA LOS INGREDIENTES DE LOS PRODUCTOS.
- Norma federal de Comunicación de riesgos de la OSHA: CFR 29, 1910.1200.

16.3 **SISTEMA DE CLASIFICACIÓN DE MATERIALES PELIGROSOS**

Producto COMERCIALIZADO

Salud	0	Calificación del Equipo de Protección Personal de HMIS: Situaciones de uso laboral: B – Lentes de seguridad y guantes. Deben usarse gafas de seguridad y guantes cuando se puedan generar salpicaduras / aerosoles.
Inflamabilidad	0	
Riesgos físicos	0	
Equipo de protección	B	

Producto DILUIDO AL USARLO

Salud	0	Calificación del Equipo de Protección Personal de HMIS: Situaciones de uso laboral: No se necesita equipo de protección en circunstancias normales de uso y manipulación.
Inflamabilidad	0	
Riesgos físicos	0	
Equipo de protección	No corresponde	

16.4 **AVISO**

Waxie's Enterprises, LLC, una empresa de Envoy Solutions (WAXIE), no ofrece ninguna garantía, declaración o garantía en cuanto a la precisión, suficiencia o integridad del material establecido en este documento. Es responsabilidad del usuario determinar la seguridad, toxicidad e idoneidad de su propio uso, manipulación y eliminación de este producto. Dado que el uso real por parte de otros está fuera de nuestro control, WAXIE no ofrece ninguna garantía, expresa o implícita, en cuanto a los efectos de dicho uso, los resultados que se obtendrán o la seguridad y toxicidad de este producto, ni WAXIE asume ninguna responsabilidad derivada del uso por parte de terceros de este producto al que se hace referencia en este documento. Los datos en esta SDS se relacionan solo con el material específico designado aquí y no se relacionan con el uso en combinación con ningún otro material o en ningún proceso. WAXIE no recomienda mezclar este producto con ningún otro producto químico. Toda la información, las recomendaciones y los datos contenidos en este documento sobre este producto se basan en la información disponible en el momento de escribir este artículo de fuentes técnicas reconocidas.

SECCIÓN 16: INFORMACIÓN ADICIONAL (continuación)

16.5 ABREVIATURAS Y ACRÓNIMOS

TODAS LAS SECCIONES: OSHA: Administración Federal de Salud y Seguridad Ocupacional de EE. UU. WHMIS: Estándar Canadiense de Materiales Peligrosos en el Lugar de Trabajo. GHS: Sistema Globalmente Armonizado de Clasificación de Sustancias Químicas.

SECCIÓN 3: Número CAS: Número de servicio de resumen químico, que utiliza la Sociedad Química Estadounidense para identificar de manera única una sustancia química.

SECCIÓN 5: NFPA: Asociación Nacional de Protección contra Incendios. CLASIFICACIÓN DE INFLAMABILIDAD DE LA NFPA: La NFPA utiliza el punto de inflamación (FI.P.) y el punto de ebullición (BP) para clasificar los líquidos inflamables o combustibles. Clase IA: FI.P. por debajo de 73 °F y BP por debajo de 100 °F. Clase IB: FI.P. por debajo de 73 °F y BP a 100 °F o más. Clase IC: FI.P. a 73 °F o más y BP a 100 °F o más. Clase II: FI.P. a 100 °F o más y menos de 140 °F. Clase IIIA: FI.P. a 140 °F o más y menos de 200 °F. Clase IIIB: FI.P. a 200 °F o más. CLASIFICACIÓN DE MATERIALES PELIGROSOS DE LA NFPA: Este es un sistema de clasificación utilizado para resumir los peligros físicos y de salud para los bomberos. 0 = Sin peligro significativo. 1 = Peligro leve. 2 = Peligro Moderado. 3 = Peligro Severo. 4 = Peligro extremo.

SECCIÓN 8: NE: No establecido. ACGIH: Conferencia Americana de Higienistas Industriales Gubernamentales; TWA: Promedio ponderado en el tiempo (sobre una jornada laboral de 8 horas); STEL: Límite de exposición a corto plazo (promedio de 15 minutos, no más de 4 veces al día y cada exposición separada por una hora como mínimo); C: Límite máximo (concentración que no debe superarse en un entorno de trabajo). PEL: Límite de exposición permisible. NIOSH: Instituto Nacional de Seguridad y Salud Ocupacional; REL: Límite de exposición recomendado. ppm: Partes por Millón. mg/m³: Miligramos por metro cúbico. mppcf: Millones de Partículas por Pie Cúbico. BEI: Límite de Exposición Biológica. CA: California - TABLA AC-1 Límites de exposición permisibles para contaminantes transportados por el aire. AIHA WEEL: Nivel de exposición ambiental en el lugar de trabajo de la Asociación Estadounidense de Higiene Industrial.

SECCIÓN 9: pH: Escala (0 a 14) utilizada para calificar la acidez o alcalinidad de las soluciones acuosas. Por ejemplo, un valor de pH de 0 indica una solución fuertemente ácida, un pH de 7 indica una solución neutra y un valor de pH de 14 indica una solución extremadamente básica. PUNTO DE INFLAMACIÓN: Temperatura a la cual un líquido genera suficientes vapores inflamables para que se produzca la ignición. TEMPERATURA DE AUTOENCENDIDO: Temperatura a la que se produce el encendido espontáneo. LÍMITE EXPLOSIVO INFERIOR (LEL): La concentración mínima de vapores inflamables en el aire que sostendrá la ignición. LÍMITE EXPLOSIVO SUPERIOR (UEL): La concentración máxima de vapores inflamables en el aire que sostendrá la ignición. ≈: aproximadamente símbolo. COV: Compuesto Orgánico Volátil.

SECCIÓN 11: ESTADO DE CARCINOGENICIDAD: PNT: Programa Nacional de Toxicología. IARC: Agencia Internacional para la Investigación del Cáncer. INFORMACIÓN DE TOXICIDAD REPRODUCTIVA: Mutágeno: Sustancia capaz de causar daño cromosómico a las células. Embriotoxina: Sustancia capaz de dañar el embrión en desarrollo en una hembra sobreexpuesta. Teratógeno: Sustancia capaz de dañar el feto en desarrollo en una mujer sobreexpuesta. Toxina reproductiva: Sustancia capaz de afectar adversamente los órganos o funciones reproductivas masculinas o femeninas. DATOS DE TOXICOLOGÍA: LD xx o LC xx: la dosis letal o la concentración letal de una sustancia que será fatal para un porcentaje determinado (xx) de animales de prueba expuestos por la vía de administración designada. Este valor se utiliza para evaluar la toxicidad de las sustancias químicas para los humanos. TD xx o TC xx: la dosis tóxica o la concentración tóxica de una sustancia que causará un efecto adverso en un porcentaje determinado (xx) de animales de prueba expuestos por la vía de administración designada.

SECCIÓN 12: EC50: Efecto Concentración (sobre el 50% del grupo de estudio); DBO: Demanda Biológica de Oxígeno. DQO: Demanda Química de Oxígeno. ThOD: Demanda Teórica de Oxígeno. TLM: Límite de Tolerancia Media.

ARTÍCULO 13: RCRA: Ley de Conservación y Recuperación de Recursos. Los reglamentos promulgados bajo esta Ley se encuentran en el 40 CFR, Secciones 260 y siguientes, y definen los requisitos de generación, transporte, tratamiento, almacenamiento y disposición de residuos peligrosos. Códigos de residuos EPA RCRA: definidos en 40 CFR Sección 261.

SECCIÓN 15: CERCLA: Ley de Responsabilidad y Compensación de Respuesta Ambiental Integral (también conocida como "Superfondo") y SARA: (Ley de Enmienda y Reautorización del Superfondo). Los reglamentos promulgados bajo esta Ley se encuentran bajo 40 CFR 300 ff. y proporcionar requisitos de "derecho a saber de la comunidad". TSCA: Ley de Control de Sustancias Tóxicas: Normas que regulan la fabricación y venta de productos químicos que se encuentran en 40 CFR 700-766. DSL/NDL: listas de sustancias domésticas y no domésticas de Canadá.

SECCIÓN 16: CLASIFICACIÓN DEL SISTEMA DE IDENTIFICACIÓN DE MATERIALES PELIGROSOS: Este es un sistema de clasificación utilizado por la industria para resumir los peligros físicos y para la salud de los usuarios de productos químicos y fue desarrollado originalmente por la Asociación Nacional de Pinturas y Recubrimientos. 0 = Sin peligro significativo. 1 = Peligro leve. 2 = Peligro Moderado. 3 = Peligro Severo. 4 = Peligro extremo.

SAFETY DATA SHEET



This Safety Data Sheet (SDS) complies with the requirements of the U.S. Federal Occupational Safety and Health Administration Hazard Communication Standard (29 CFR 1910.1200, as updated in 2012) and equivalent state Standards. It has also been developed in accordance with the United Nations Globally Harmonized System of Classification of Chemicals (GHS) and the Canadian Workplace Hazardous Materials Information System (WHMIS). Refer to Section 16 of this document for the definition of terms and abbreviations.

SECTION 1: IDENTIFICATION

1.1 PRODUCT IDENTIFIER

- ITEM NUMBER(S): 170394, 170700, 170704,
- PRODUCT NAME: **764 Lemon Quat Disinfectant Cleaner**
GL: 170394
3L: 170700
GL: 170704

1.2 RELEVANT IDENTIFIED USES OF THE MIXTURE

- RECOMMENDED USE: Disinfection of surfaces, equipment.
- IDENTIFIED USERS: For sale to, use and storage by service persons only.

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

- MANUFACTURER/
SUPPLIER: **Waxie's Enterprises, LLC, an Envoy Solutions Company**
- ADDRESS: 9353 Waxie Way, San Diego, CA 92123-1036
- BUSINESS PHONE: 1-800-995-4466
- EMERGENCY PHONE: 1-800-255-3924 (CHEMTEL; 24 hours)

1.4 OTHER PERTINENT INFORMATION

- This product is intended to be used only after dilution. The relevant hazard and safety data are specified for both the **Product as SOLD** and **Product at USE DILUTION**, where appropriate.
- EPA Registration #1839-169-14994.

SECTION 2: HAZARD IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:

OSHA/HCS Status: The product is a disinfectant that has been labelled according to the regulations under FIFRA (Federal Insecticide, Fungicide and Rodenticide Act). The following GHS information has been developed based on OSHA regulations under Hazard Communication (29 CFR 1910.1200), the hazards associated with the components and their concentrations, and the anticipated routes of exposure for this product as sold and used.

OSHA/HCS Status

Classification of the Substance or Mixture

Product as SOLD

Skin corrosion/Irritation (Category 1);
Serious eye damage/Irritation (Category 1)

Product at USE DILUTION

Not rated as a hazardous material under OSHA hazard classification definitions (29 CFR 1910, 200, Appendices A and B). The following label elements have been prepared based on prudent practice for use, accident response and storage.

2.2 LABEL ELEMENTS:

ELEMENT

Hazard Pictograms

Product as SOLD



Product at USE DILUTION

Not applicable.

Signal Word

DANGER

Not applicable.

Hazard Statements

H314: Causes severe skin burns and eye damage. H318: Causes serious eye damage.

Not applicable.

SECTION 2: HAZARDS IDENTIFICATION (Continued)

2.2 LABEL ELEMENTS (Continued):

ELEMENT	<u>Product as SOLD</u>	<u>Product at USE DILUTION</u>
Precautionary Statements		
Prevention	P102: Keep out of reach of children. P103: Read label before use. P264: Wash face, hands, and any exposed skin thoroughly after handling. P280: Wear protective gloves, protective clothing, and eye protection/face protection.	P103: Read label before use. P264: Rinse exposed skin after use.
Response	P301+330+331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P303+361+353: IF ON SKIN (OR HAIR): Take off immediately all contaminated clothing. Rinse skin with water/shower. IF P304:340: INHALED: Remove person to fresh air and keep comfortable for breathing. P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. P310: Immediately call a POISON CENTER or doctor/physician. P363: Wash contaminated clothing before reuse.	P313: In case of accidental exposure, seek medical advice if irritation persists.
Storage	P406+235+410+403: Store in original plastic container, or a corrosive resistant container with a corrosive resistant inner liner, locked up in a cool, dry, well-ventilated place at room temperature away from direct sunlight. P404: Keep container tightly closed.	(No P Code Specified): Store in a cool dry place at room temperature away from direct sunlight.
Disposal	P501: Dispose of contents and container according to the local, city, state, and federal regulations	(No P Code Specified): Triple rinse container and offer for recycling. Dispose of contents and container according to the local, city, state, and federal regulations.

2.3 OTHER PERTINENT DATA ON CHEMICAL AND PHYSICAL HAZARDS:

- Not applicable.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 SUBSTANCES/MIXTURES

CHEMICAL	CAS NUMBER	GHS HAZARD CLASSIFICATION FOR CHEMICAL	% (w/w)
Benzalkonium Chloride	68424-85-1	Acute toxicity, Oral (Category 4); Skin corrosion (Category 1B); Serious eye damage (Category 1)	1-5 ¹
Quaternium-24	32426-11-2	Acute toxicity, Oral (Category 4); Skin corrosion (Category 1B); Serious eye damage (Category 1)	1-5
1-Octanaminium, N,N-Dimethyl-N-octyl-, chloride	5538-94-3	Acute toxicity, Oral (Category 4); Skin corrosion (Category 1B)	< 1
1-Decanaminium, N-Decyl-N,N-dimethyl-, chloride	7173-51-5	Acute toxicity, Oral (Category 3); Skin corrosion (Category 1B); Serious eye damage (Category 1); Acute aquatic toxicity (Category 1); Chronic aquatic toxicity (Category 2)	< 1
Water and other components less than 1% in concentration within this solution. The remaining components of this product are not classified as hazardous in their existing concentrations			Balance

¹ The exact percentage of composition has been withheld as a trade secret. All relevant physical and health hazards have been declared, in accordance with regulatory requirements.

SECTION 4: FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES

AREA EXPOSED	<u>Product as SOLD</u>	<u>Product at USE DILUTION</u>
Eye Contact	Flush with copious amounts of water for 15 minutes. "Roll" eyes during flush. Seek medical attention immediately.	Flush with copious amounts of water for 15 minutes. "Roll" eyes during flush. Seek medical attention if irritation persists.
Skin Contact	Flush area with warm, running water for several minutes. Seek medical attention immediately.	Flush area with warm, running water for several minutes. Seek medical attention if irritation persists.
Inhalation	Obtain fresh air.	Obtain fresh air.
Ingestion	If conscious only: Rinse mouth with water. Do not induce vomiting. Contact a Poison Control Center or physician for instructions. .	If conscious only: Rinse mouth with water. Drink several cups of water. Do not induce vomiting. Contact a Poison Control Center or physician for instructions.
Other Recommendations	Wash clothing before reuse.	

4.2 MOST IMPORTANT ACUTE AND CHRONIC EXPOSURE SYMPTOMS

- ACUTE HEALTH EFFECTS:

AREA EXPOSED	<u>Product as SOLD</u>	<u>Product at USE DILUTION</u>
Eye Contact	Corrosive to eye tissue; contact will cause pain, redness, and tissue damage. Chemical burns and blindness may occur.	Diluted product is not anticipated to cause adverse effects under typical circumstances if first aid is rendered promptly. May cause mild eye irritation, especially after prolonged exposure.
Skin Contact	Corrosive to skin tissue; contact will cause pain, redness, and tissue damage. Chemical burns may occur.	No adverse effects anticipated.
Inhalation	Inhalation of sprays, mists may cause coughing, nasal congestion, and sore throat.	No adverse effects anticipated.
Ingestion	Corrosive and may cause severe and permanent damage to mouth, throat, and stomach. May be fatal if swallowed.	No adverse effects anticipated.

- CHRONIC HEALTH EFFECTS:

<u>Product as SOLD</u>	<u>Product at USE DILUTION</u>
None reported.	None reported.

- TARGET ORGANS:

<u>Product as SOLD</u>	<u>Product at USE DILUTION</u>
Skin, eyes.	None reported.

4.3 INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

The following information is for both **Product AS SOLD** and **Product at USE DILUTION**.

- GENERAL INFORMATION: For all exposures:** In case of accident, or if you feel unwell, seek medical advice immediately. Take this document and a copy of the label to the healthcare professional.
- RECOMMENDATIONS TO PHYSICIANS:** Treat symptomatically.
- MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE:** None reported.

SECTION 5: FIREFIGHTING MEASURES

Unless stated, information in this section is for both **Product as SOLD** and **Product at USE DILUTION**.

5.1 EXTINGUISHING MEDIA

- RECOMMENDED FIRE EXTINGUISHING MEDIA:** Water Spray, Water Jet, Dry Powder, Foam, Carbon Dioxide, or any other.
- UNSUITABLE FIRE EXTINGUISHING MEDIA:** None known.

SECTION 5: FIREFIGHTING MEASURES (Continued)

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

- **NFPA FLAMMABILITY CLASSIFICATION:**

Classification

NFPA Rating

Product as SOLD



NFPA Classification

Not flammable.

Product at USE DILUTION



Not flammable.

- **UNUSUAL HAZARDS IN FIRE SITUATIONS:**

Decomposition

Explosion Sensitivity to Mechanical Impact

Explosion Sensitivity to Static Discharge

Product as SOLD

Generates carbon dioxide, carbon monoxide, hydrogen chloride, ammonia, and nitrogen oxides.

Not applicable.

Not applicable.

Product at USE DILUTION

Generates carbon dioxide, carbon monoxide, hydrogen chloride, ammonia, and nitrogen oxides.

Not applicable.

Not applicable.

5.3 ADVICE FOR FIREFIGHTERS

- Self-Contained Breathing Apparatus and full protective equipment for fire response should be worn in any situation. Move containers from fire area if it can be done without risk to personnel. Otherwise, use water spray to keep fire-exposed containers cool. Because this product is a cleaning agent, any equipment that comes in contact with this solution can be rinsed thoroughly with water and then returned to service.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Unless stated, information in this section is for both **Product as SOLD** and **Product at USE DILUTION**.

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES

- **RESPONSE TO INCIDENTAL RELEASES:** Personnel who have received basic chemical safety training can generally handle small-scale releases. Gloves and safety glasses must be worn when cleaning-up spills. Use caution during clean-up; contaminated floors and items may be slippery.
- **RESPONSE TO NON-INCIDENTAL RELEASES:** Generally, releases of this product will be no larger than the loss of one shipment of material. Subsequently, personnel can follow the instructions for incidental releases. As needed, respond to non-incident chemical releases of this product (such as the simultaneous destruction of several pallets of this product) by clearing the impacted area and contacting appropriate emergency personnel. In the event that over 5 gallons of this material has spilled, safety goggles with face-shield and air-purifying respirator with High Efficiency Particulate Filter should be worn.
- **RESPONSE PROCEDURES FOR ANY RELEASE:** Absorb spilled liquid with polypads or other suitable absorbent materials. Rinse area thoroughly. Because this product is a disinfectant, all items that come in contact with the solution can be returned to service after rinsing.

6.2 ENVIRONMENTAL PRECAUTIONS

- Avoid response actions that can cause a release of a significant amount of product (more than 4 gallons) into the environment. Avoid accidental dispersal of spilled material into soil, waterways, and sewers.

6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

- **SPILL RESPONSE EQUIPMENT:** Polypad or other absorbent material.

6.4 REFERENCES TO OTHER SECTIONS

- **SECTION 8:** For exposure levels and detailed personal protective equipment recommendations.
- **SECTION 13:** For waste handling guidelines.

SECTION 7: HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

ITEM	<u>Product as SOLD</u>	<u>Product at USE DILUTION</u>
Hygiene Practices	Keep out of reach of children. Follow good chemical hygiene practices. Do not smoke, drink, eat, or apply cosmetics in the chemical use area. Avoid inhalation of mists and sprays. Use in well-ventilated area. Avoid contact with skin or eyes. Remove contaminated clothing promptly. Clean up spilled product immediately.	Keep out of reach of children. Follow good chemical hygiene practices. Do not smoke, drink, eat, or apply cosmetics in the chemical use area. Avoid inhalation of mists and sprays. Use in well-ventilated area. Avoid contact with skin or eyes. Remove contaminated clothing promptly. Clean up spilled product immediately.
Handling Practices	Employees must be appropriately trained to use this product safely as needed. Keep containers closed when not in use. Avoid conditions that create static electrical discharge.	Employees must be appropriately trained to use this product safely as needed. Keep containers closed when not in use.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

ITEM	<u>Product as SOLD</u>	<u>Product at USE DILUTION</u>
Storage Practices	Ensure all containers are correctly labeled. Store containers away from direct sunlight, sources of intense heat, or where freezing is possible. Store this product away from incompatible chemicals. Inspect all incoming containers before storage, to ensure containers are properly labeled and not damaged. Empty containers may contain residual liquid; therefore, empty containers should be handled with care.	Ensure all containers are correctly labeled. Store containers away from direct sunlight, sources of intense heat, or where freezing is possible. Store this product away from incompatible chemicals.
Incompatibilities	See Section 10 (Stability and Reactivity).	See Section 10 (Stability and Reactivity).

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

- AIRBORNE EXPOSURE LIMITS: AIRBORNE EXPOSURE LIMITS:**

COMPONENT	ACGIH TLV	OSHA PEL	NIOSH REL	OTHER
Ethanol 64-17-5	1000 ppm (STEL)	1000 ppm (TWA)	1000 ppm (TWA) 3300 ppm (IDLH)	CA PEL: 1000 ppm (TWA)

- BIOLOGICAL OCCUPATIONAL EXPOSURE LIMITS:** Not established.

8.2 EXPOSURE CONTROLS

- PRODUCT AS SOLD**

Engineering Controls	Use in well-ventilated environment.
Respiratory Protection	None needed in normal circumstances of use.
Hand Protection	Neoprene, PVC, or butyl gloves are recommended if there is a potential for skin contact. Ensure gloves are intact prior to use.
Eye Protection	Safety glasses if splashes/sprays can occur when using.
Body Protection	None needed in normal circumstances of use.

- IN USE DILUTION**

Personal Precautions	Use in well-ventilated environment. No personal protection is typically required for most circumstances of use. If there is a possibility for extended periods of use of this product, or larger than normal volumes, refer to Recommendations for Use information above.
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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (Continued)

8.3 PERSONAL PROTECTION SYMBOLS

Hand Protection
(If skin contact is anticipated)

Eye Protection
(If splashes or sprays can occur)

Product as SOLD



Product at USE DILUTION

No gloves required.

No eye protection required.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

	<u>Product as SOLD</u>	<u>Product at USE DILUTION</u>
Appearance	Yellow liquid.	Pale, light yellow liquid.
Odor	Lemon.	Lemon.
Odor Threshold	Not determined.	Not determined.
pH	6.0-8.0	Approximately 7
Melting Point/Freezing Point	< 0°C (32 °F).	Approx. 0°C (32 °F).
Initial Boiling Point/Boiling Range	>100°C (210 °F).	Approximately 100°C (212°F).
Flash Point	> 93.3°C (200 °F).	Not applicable.
Evaporation Rate (Water = 1)	Approx. 1.0.	Approx. 1.0.
Flammability	Not applicable.	Not applicable.
Upper/Lower Explosive Limits	Not applicable.	Not applicable.
Vapor Pressure	Not determined.	Not determined.
Vapor Density	Not determined.	Not determined.
Relative Density (Density)	1.0 (8.34 lb./gal)	Approx. 1.0.
Solubility	Completely soluble in water.	Completely soluble in water.
Partition Coefficient/n-octanol/water	Not determined.	Not determined.
Autoignition Temperature	Not applicable.	Not applicable.
Decomposition Temperature	Not determined.	Not determined.
Viscosity	Not determined.	Not determined.

9.2 OTHER INFORMATION

- **VOC (less water & exempt):** Not applicable.
- **WEIGHT% VOC:** Not applicable.

SECTION 10: STABILITY AND REACTIVITY

Unless stated, information in this section is for both **Product as SOLD** and **Product at USE DILUTION**.

10.1 REACTIVITY

- Not reactive under typical conditions of use or handling.

10.2 CHEMICAL STABILITY

- Normally stable under standard temperatures and pressures.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS

- This product is not self-reactive, water-reactive, or air-reactive.
- This product will not undergo hazardous polymerization.

SECTION 10: STABILITY AND REACTIVITY (Continued)

10.4 CONDITIONS TO AVOID

- Avoid contact with incompatible chemicals.

10.5 INCOMPATIBLE MATERIALS

- Strong oxidizing agents and anionics.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

- Products of thermal decomposition include oxides of carbon (i.e., carbon monoxide and carbon dioxide), hydrogen chloride, ammonia, and nitrogen oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

Unless stated, information in this section is for both **Product as SOLD** and **Product at USE DILUTION**.

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

- **ACUTE TOXICITY:**

- **PRODUCT TOXICITY DATA:**

- Acute Toxicity Estimate: (Oral): > 5000 mg/kg
- Acute Toxicity Estimate (Dermal): > 2,000 mg/kg

- **TOXICOLOGY DATA:** The following data are available for components of this product.

BENZLKONIUM CHLORIDE

LD50 (oral, rat) = 426 mg/kg

1-DECANAMINIUM, N-DECYL-N,N-DIMETHYL-, CHLORIDE

LD50 (oral, rat) = 84 mg/kg

LD50 (dermal, rat) > 2000 mg/kg

- **DEGREE OF IRRITATION:** This product causes severe skin burns and eye damage. See Section 4 (First Aid Measures) for more details.

- **SENSITIZATION:** The components of this product are not reported to have skin or respiratory sensitization effects.

- **REVIEW OF ACUTE SYMPTOMS AND EFFECTS BY ROUTE OF EXPOSURE:** See Section 2 (Hazards Information) and Section 4 (First Aid Measures) for additional details.

AREA EXPOSED

Eye Contact

Product as SOLD

Corrosive to eye tissue.

Product at USE DILUTION

May cause eye irritation, especially after prolonged exposure.

No adverse effects anticipated.

Skin Contact

Corrosive to skin tissue; contact will cause pain, redness, and tissue damage.

No adverse effects anticipated

Inhalation

Inhalation of sprays, mists may cause coughing, nasal congestion, and sore throat.

No adverse effects anticipated

Ingestion

Corrosive and may cause severe and permanent damage to mouth, throat, and stomach. May be fatal if swallowed.

No adverse effects anticipated

- **CHRONIC TOXICITY:**

- **CARCINOGENICITY STATUS:** Not applicable.

- **REPRODUCTIVE TOXICITY INFORMATION:** The components of this product are not reported to cause reproductive effects under typical circumstances of exposure.

- **MUTAGENIC EFFECTS:** The components of this product are not reported to cause mutagenic effects under typical circumstances of exposure.

- **SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE:** Not applicable.

- **SPECIFIC TARGET ORGAN TOXICITY – REPEATED EXPOSURE:** Not applicable.

- **ASPIRATION HAZARD:** Not applicable.

- **OTHER INFORMATION:**

- **TOXICOLOGICALLY SYNERGISTIC PRODUCTS:** None known.

- **ADDITIONAL TOXICOLOGY:** Not applicable.

SECTION 12: ECOLOGICAL INFORMATION

Unless stated, information in this section is for both **Product as SOLD** and **Product at USE DILUTION**.

12.1 TOXICITY

- Based on available data, this product may be harmful or fatal to contaminated terrestrial or aquatic plants or animals, depending on the volume released into the environment.
- The following aquatic toxicity data are available for components of this product.

BENZALKONIUM CHLORIDE

LC50 (Morone saxatilis): fry, 14100. µg/L/96 hours

1-DECANAMINIUM, N-DECYL-N,N-DIMETHYL-CHLORIDE

LC50 (Brachydanio rerio): 0.49 mg/L - 96 hours

EC50 (Daphnia magna): 0.094 mg/L - 48 hours

12.2 PERSISTENCE AND DEGRADABILITY

- When released into the soil, the components of this product are expected to biodegrade, dissipate in soils via oxidation, or otherwise chemically degrade or photo-decompose via solar radiation.

12.3 BIOACCUMULATIVE POTENTIAL

- This product is not anticipated to bioaccumulate significantly.

12.4 MOBILITY IN SOIL

- It is to be expected this product will have some mobility in soil.

12.5 OTHER ADVERSE EFFECTS

- None reported.

SECTION 13: DISPOSAL CONSIDERATION

13.1 WASTE TREATMENT METHODS

Product as SOLD

Dispose of in accordance with local, State and Federal regulations.

Product at USE DILUTION

Dispose of unused product in accordance with local, State and Federal regulations.

13.2 DISPOSAL CONSIDERATIONS

- EPA RCRA WASTE CODE:** The waste code should be assigned in discussion between the user, the producer, and the waste disposal company.

SECTION 14: TRANSPORT INFORMATION

14.1 **NOTE: This product is packaged in LIMITED QUANTITY volumes.** Follow the requirements for Limited Quantity packagings appropriate to the mode of transport.

- DEPARTMENT OF TRANSPORTATION HAZARDOUS MATERIALS SHIPPING REGULATIONS:**

UN/NA Number	Proper Shipping Name	Packing Group	Hazard Class	Label	North American Emergency Response Guide #	Marine Pollutant Status
This product is packaged in Limited Quantity volumes. Follow requirements in 49 CFR 173.154				Limited Quantity	Not Applicable	Not applicable.

- CANADIAN TRANSPORTATION INFORMATION:** This product is regulated by Transport Canada as dangerous goods under Canadian transportation standards. Refer to above information.
- IATA DESIGNATION:** This product is regulated as dangerous goods by the International Air Transport Association. Refer to the following information for preparation of LIMITED QUANTITY packagings.

UN/NA Number	Proper Shipping Name	Packing Group	Hazard Class	Labels	North American Emergency Response Guide #	Packing Instruction (Max. Qty per PKG)
UN1760	Corrosive liquids, n.o.s. (Quaternary Ammonium Chloride)	III	8	Corrosive Limited Quantity (Air)	154	Y841 (1L).

SECTION 14: TRANSPORT INFORMATION (Continued)

- **IMO DESIGNATION:** This product is regulated as dangerous goods by the International Maritime Organization. Follow guidance in IMO International Maritime Dangerous Goods Code, Section 3.4.

UN/NA Number	Proper Shipping Name	Packing Group	Hazard Class	Label	Max. Qty per PKG	EM-S
This product is packaged in limited quantity volumes. Follow the instructions in the IMO International Maritime Dangerous Goods Code, Section 3.4				Limited Quantity	5L	FA-SB

14.2 ENVIRONMENTAL HAZARDS

- None described, as related to transportation.

14.3 SPECIAL PRECAUTIONS FOR USERS

- Not applicable.

14.4 TRANSPORT IN BULK

- Not applicable.

SECTION 15: REGULATORY INFORMATION

15.1 SAFETY, HEALTH, AND ENVIRONMENTAL REGULATIONS SPECIFIC FOR THE PRODUCT

• OTHER IMPORTANT U.S. REGULATIONS

- **U.S. SARA HAZARD CATEGORIES (SECTION 311/312, 40 CFR 370-21):** Acute Toxicity; Skin Corrosion/Irritation; Serious Eye Damage/Irritation.
- **U.S. CERCLA REPORTABLE QUANTITY (RQ):** Not applicable.
- **U.S. TSCA INVENTORY STATUS:** All components of this product are listed on the TSCA Inventory.
- **U.S. SARA 313:** Not applicable to this product.
- **CALIFORNIA SAFE DRINKING WATER ACT (PROPOSITION 65) STATUS:**



WARNING: This product can expose you to trisodium NTA and Methanol, chemicals known to the state of California to cause cancer, birth defects, and other reproductive harm. For more information, go to www.p65Warnings.ca.gov

• INTERNATIONAL REGULATIONS

- **CANADIAN REGULATORY STATUS: CANADIAN REGULATORY STATUS:** The product is classified as hazardous under Hazardous Products Regulations (SOR-2015-17).
 - WHMIS 2015: See section 2.
 - This SDS contains all the information required by the HPR.
- **CANADIAN DSL/NDSL INVENTORY STATUS:** The listed components of this product are on the DSL/NDSL Inventory.
- **CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITY SUBSTANCES LISTS:** The components of this product are not on the CEPA Priority Substances Lists.

SECTION 16: OTHER INFORMATION

16.1 INDICATION OF CHANGE

- **DATE OF REVISION:** June 24, 2022
- **SUPERCEDES:** April 27, 2015
- **CHANGE INDICATED:** Update of manufacturer information, addition of H/P Codes; regulatory review and update; establishing distinction between professional and consumer use personal protective equipment.

SECTION 16: OTHER INFORMATION (Continued)

16.2 KEY LITERATURE REFERENCES AND SOURCES FOR DATA

- SAFETY DATA SHEETS FOR COMPONENT PRODUCTS.
- Federal OSHA Hazard Communication Standard: 29 CFR 1910.1200.

16.3 HAZARDOUS MATERIALS CLASSIFICATION SYSTEM

<u>Product as SOLD</u>		<u>Product at USE DILUTION</u>	
Health	3	Health	0
Flammability	0	Flammability	0
Physical Hazard	0	Physical Hazard	0
Protective Equipment	B	Protective Equipment	Not applicable

HMIS Personal Protective Equipment Rating: Occupational Use situations: B- Safety glasses and gloves, if splashes/sprays can be generated.

HMIS Personal Protective Equipment Rating: Occupational Use situations: No protective equipment is needed under normal circumstances of use and handling.

16.4 DISCLAIMER

Waxie's Enterprises, LLC, an Envoy Solutions Company (WAXIE), makes no warranty, representation or guarantee as to the accuracy, sufficiency or completeness of the material set forth herein. It is the user's responsibility to determine the safety, toxicity and suitability of their own use, handling, and disposal of this product. Since actual use by others is beyond our control, no warranty, expressed or implied, is made by WAXIE as to the effects of such use, the results to be obtained or the safety and toxicity of this product, nor does WAXIE assume any liability arising out of the use by others of this product referred to herein. The data in this SDS relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. WAXIE does not recommend blending this product with any other chemicals. All information, recommendations and data contained herein concerning this product are based upon information available at the time of writing from recognized technical sources.

16.5 ABBREVIATIONS AND ACRONYMS

ALL SECTIONS: OSHA: U.S. Federal Occupational Safety and Health Administration. WHMIS: Canadian Workplace Hazardous Materials Standard. GHS: Globally Harmonized System of Classification of Chemical Substances.

SECTION 3: CAS Number: Chemical Abstract Service Number, which is used by the American Chemical Society to uniquely identify a chemical.

SECTION 5: NFPA: National Fire Protection Association. NFPA FLAMMABILITY CLASSIFICATION: The NFPA uses the flash point (F.P.) and boiling point (BP) to classify flammable or combustible liquids. Class IA: F.P. below 73°F and BP below 100°F. Class IB: F.P. below 73°F and BP at or above 100°F. Class IC: F.P. at or above 73°F and BP at or above 100°F. Class II: F.P. at or above 100°F and below 140°F. Class IIIA: F.P. at or above 140°F and below 200°F. Class IIIB: F.P. at or above 200°F. NFPA HAZARDOUS MATERIALS RATING: This is a rating system used to summarize physical and health hazards to firefighters. 0 = No Significant Hazard. 1 = Slight Hazard. 2 = Moderate Hazard. 3 = Severe Hazard. 4 = Extreme Hazard.

SECTION 8: NE: Not established. ACGIH: American Conference of Government Industrial Hygienists; TWA: Time-Weighted Average (over an 8-hour work day); STEL: Short-Term Exposure Limit (15-minute average, no more than 4-times daily and each exposure separated by one-hour minimally); C: Ceiling Limit (concentration not to be exceeded in a work environment). PEL: Permissible Exposure Limit. NIOSH: National Institute of Occupational Safety and Health; REL: Recommended Exposure Limit. ppm: Parts per Million. mg/m³: Milligrams per cubic meter. mppcf: Millions of Particles per Cubic Foot. BEI: Biological Exposure Limit. CA: California - TABLE AC-1 Permissible Exposure Limits for Airborne Contaminants

SECTION 9: pH: Scale (0 to 14) used to rate the acidity or alkalinity of aqueous solutions. For example, a pH value of 0 indicates a strongly acidic solution, pH of 7 indicates a neutral solution, and a pH value of 14 indicates an extremely basic solution. FLASH POINT: Temperature at which a liquid generates enough flammable vapors so that ignition may occur. AUTOIGNITION TEMPERATURE: Temperature at which spontaneous ignition occurs. LOWER EXPLOSIVE LIMIT (LEL): The minimal concentration of flammable vapors in air which will sustain ignition. UPPER EXPLOSIVE LIMIT (UEL): The maximum concentration of flammable vapors in air which will sustain ignition. ≈: Approximately symbol. VOC: Volatile Organic Compound.

SECTION 11: CARCINOGENICITY STATUS: NTP: National Toxicology Program. IARC: International Agency for Research on Cancer.

REPRODUCTIVE TOXICITY INFORMATION: Mutagen: Substance capable of causing chromosomal damage to cells. Embryotoxin: Substance capable of damaging the developing embryo in an overexposed female. Teratogen: Substance capable of damaging the developing fetus in an overexposed female. Reproductive toxin: Substance capable of adversely affecting male or female reproductive organs or functions. TOXICOLOGY DATA: LD_{xx} or LC_{xx}: The Lethal Dose or Lethal Concentration of a substance which will be fatal to a given percentage (xx) of exposed test animals by the designate route of administration. This value is used to assess the toxicity of chemical substances to humans. TD_{xx} or TC_{xx}: The Toxic Dose or Toxic Concentration of a substance which will cause an adverse effect to a given percentage (xx) of exposed test animals by the designate route of administration.

SECTION 12: EC50: Effect Concentration (on 50% of study group); BOD: Biological Oxygen Demand. COD: Chemical Oxygen Demand. ThOD: Theoretical Oxygen Demand. TLM: Median Tolerance Limit.

SECTION 13: RCRA: Resource Conservation and Recovery Act. The regulations promulgated under this Act are found in 40 CFR, Sections 260 ff, and define the requirements of hazardous waste generation, transport, treatment, storage, and disposal. EPA RCRA Waste Codes: Defined in 40 CFR Section 261.

SECTION 15: CERCLA: Comprehensive Environmental Response Compensation and Liability Act (a.k.a. "Superfund") and SARA: (Superfund Amendment and Reauthorization Act). The regulations promulgated under this Act are located under 40 CFR 300 ff. and provide "community right-to-know" requirements. TSCA: Toxic Substances Control Act: Rules regulating the manufacture and sale of chemicals found in 40 CFR 700-766. DSL/NDSL: Canadian Domestic Substances and Non-Domestic Substances Lists.

SECTION 16: HAZARDOUS MATERIALS IDENTIFICATION SYSTEM RATING: This is a rating system used by industry to summarize physical and health hazards to chemical users and was originally developed by the National Paint and Coating Association. 0 = No Significant Hazard. 1 = Slight Hazard. 2 = Moderate Hazard. 3 = Severe Hazard. 4 = Extreme Hazard.

HOJA DE DATOS DE SEGURIDAD



Esta Hoja de datos de seguridad (SDS) cumple con los requisitos de la Norma federal de comunicación de riesgos de la Administración de Seguridad y Salud Ocupacional de los EE. UU. (CFR 29, 1910.1200, conforme a la actualización de 2012) y las normas estatales equivalentes. También ha sido desarrollada de acuerdo con el Sistema Mundialmente Armonizado de Clasificación de Productos Químicos de las Naciones Unidas (GHS) y el Sistema de Información de Materiales Peligrosos en el Lugar de Trabajo, de Canadá (WHMIS). Consulte la sección 16 de este documento para conocer la definición de los términos y abreviaturas.

SECCIÓN 1: IDENTIFICACIÓN

1.1 IDENTIFICADOR DEL PRODUCTO

- NÚMERO(S) DE ARTÍCULO: 170394, 170700, 170704
- NOMBRE DEL PRODUCTO: **764 Limpiador desinfectante Quat de limón**
GL: 170394
3L: 170700
GL: 170704

1.2 USOS RELEVANTES E IDENTIFICADOS DE LA MEZCLA

- USO RECOMENDADO: Desinfección de superficies, equipos.
- USUARIOS IDENTIFICADOS: Para la venta, uso y almacenamiento solo por parte del personal de servicio.

1.3 DETALLES DEL PROVEEDOR DE LA HOJA DE DATOS DE SEGURIDAD

- FABRICANTE/ PROVEEDOR: **Waxie's Enterprises, LLC., una empresa de Envoy Solutions**
- DIRECCIÓN: 9353 Waxie Way, San Diego, CA 92123-1036
- TELÉFONO DE OFICINA: 1-800-995-4466
- TELÉFONO DE EMERGENCIAS: 1-800-255-3924 (CHEMTEL; las 24 horas)

1.4 OTRA INFORMACIÓN PERTINENTE

- Este producto se debe usar solamente después de ser diluido. Los datos relevantes sobre el riesgo y la seguridad se especifican para el **Producto COMERCIALIZADO** y el **Producto DILUIDO al USARLO**, según corresponda.
- Registro de EPA N.º 1839-169-14994.

SECCIÓN 2: IDENTIFICACIÓN DE RIESGOS

2.1 CLASIFICACIÓN DE LA SUSTANCIA O MEZCLA:

El producto es un desinfectante que ha sido etiquetado de acuerdo con las reglamentaciones de la FIFRA (Ley Federal de Insecticidas, Fungicidas y Rodenticidas). La siguiente información de GHS ha sido desarrollada en base a las regulaciones de OSHA bajo Comunicación de Riesgos (29 CFR 1910.1200), los riesgos asociados con los componentes y sus concentraciones, y las rutas anticipadas de exposición para este producto tal como se venden y usan.

Estado según la OSHA/HCS

Producto COMERCIALIZADO

Producto DILUIDO al USARLO

Clasificación de la sustancia o mezcla

Corrosión o irritación cutáneas (categoría 1); Irritación / daño ocular grave (categoría 1)

No clasificado como material peligroso según las definiciones de clasificación de peligros de OSHA (29 CFR 1910, 200, Apéndices A y B). Los siguientes elementos de la etiqueta se han preparado sobre la base de prácticas prudentes de uso, respuesta a accidentes y almacenamiento.

2.2 ELEMENTOS DE LA ETIQUETA:

ELEMENTO

Producto COMERCIALIZADO

Producto DILUIDO al USARLO

Pictogramas de riesgo



No corresponde.

Palabra de advertencia

PELIGRO

No corresponde.

Declaraciones del riesgo

H314: Provoca graves quemaduras en la piel y lesiones oculares. H318: Provoca lesiones oculares graves.

No corresponde.

SECCIÓN 2: IDENTIFICACIÓN DE RIESGOS (continuación)

2.2 ELEMENTOS DE LA ETIQUETA (continuación)

ELEMENTO	Producto COMERCIALIZADO	Producto DILUIDO al USARLO
Declaraciones de precaución		
Prevención	P102: Mantener fuera del alcance de los niños. P103: Leer la etiqueta antes del uso. P264: Lavarse la cara, las manos y la piel expuesta cuidadosamente después de la manipulación. P280: Usar guantes / ropa de protección / equipo de protección para la cara / los ojos.	P103: Leer la etiqueta antes del uso. P264: Enjuague la piel expuesta después de su uso.
Respuesta	P301+330+331: EN CASO DE INGESTION: enjuagar la boca. No provocar el vómito. EN P303+361+353: CASO DE CONTACTO CON LA PIEL O EL PELO: Quitar inmediatamente toda la ropa contaminada. Enjuagar la piel con agua o ducharse. P304:340: EN CASO DE INHALACIÓN: transportar la persona al aire libre y mantenerla en una posición que le facilite la respiración. P305+351+338: EN CASO DE CONTACTO CON LOS OJOS: Enjuagar con agua cuidadosamente durante varios minutos. Quitar los lentes de contacto cuando estén presentes y pueda hacerse con facilidad. Proseguir con el lavado. P310: Llamar inmediatamente a un centro de toxicología o médico. 363: Lavar la ropa contaminada antes de volverla a usar.	P313: En caso de exposición accidental, consulte a un médico si persiste la irritación.
Almacenamiento	P406+235+410+403: Almacene en un recipiente de plástico original o en un recipiente resistente a la corrosión con un revestimiento interior resistente a la corrosión, encerrado en un lugar fresco, seco y bien ventilado a temperatura ambiente, lejos de la luz solar directa. Mantenga el envase bien cerrado.	(No se especifica el código P): Almacene en un lugar fresco y seco a temperatura ambiente, lejos de la luz solar directa.
Eliminación	P501: Deseche el contenido y el recipiente de acuerdo con las regulaciones locales, de la ciudad, estatales y federales.	(No se especifica el código P): Triple enjuague contenedor y oferta para reciclaje. Deseche el contenido y el recipiente de acuerdo con las regulaciones locales, de la ciudad, estatales y federales.

2.3 OTROS DATOS IMPORTANTES SOBRE LOS RIESGOS QUÍMICOS Y FÍSICOS:

- No corresponde.

SECCIÓN 3: COMPOSICIÓN/INFORMACIÓN SOBRE INGREDIENTES

3.1 SUSTANCIAS/MEZCLAS

QUÍMICO	NÚMERO DE CAS	CLASIFICACIÓN DE RIESGO DE GHS POR SUSTANCIAS QUÍMICAS	% (w/w)
Cloruro de benzalconio	68424-85-1	Toxicidad aguda, oral (categoría 4); Corrosión en la piel (categoría 1B); Daño grave en los ojos (categoría 1)	1-5 ¹
Quanternium-24	32426-11-2	Toxicidad aguda, oral (categoría 4); Corrosión en la piel (categoría 1B); Daño grave en los ojos (categoría 1)	< 1
1-Octaminio, N,N-Dimetil-N-octil-, cloro	5538-94-3	Toxicidad aguda, oral (categoría 4); Corrosión en la piel (categoría 1B)	< 1
1-Decanaminio, N-Decil-N,N-dimetil-, cloro	7173-51-5	Toxicidad aguda, oral (categoría 3); Corrosión en la piel (categoría 1B); Daño grave en los ojos (categoría 1); Toxicidad acuática aguda (categoría 1); Toxicidad acuática crónica (categoría 2)	< 1
Concentración menor al 1% de agua y otros componentes dentro de esta solución. Los componentes restantes de este producto no están clasificados como peligrosos en sus respectivas concentraciones			Balance

¹ El porcentaje exacto de la composición no se revela por ser un secreto comercial. Se han declarado todos los riesgos físicos y a la salud pertinentes, de conformidad con los requisitos reglamentarios.

SECCIÓN 4: MEDIDAS DE PRIMEROS AUXILIOS

4.1 DESCRIPCIÓN DE LAS MEDIDAS DE PRIMEROS AUXILIOS

ÁREA EXPUESTA	<u>Producto COMERCIALIZADO</u>	<u>Producto DILUIDO al USARLO</u>
Contacto con los ojos	Enjuague con abundante agua durante 15 minutos. Mire hacia arriba mientras se enjuaga los ojos. Busque atención médica de inmediato.	Enjuague con abundante agua durante 15 minutos. Mire hacia arriba mientras se enjuaga los ojos. Si la irritación persiste, busque atención médica.
Contacto con la piel	Enjuague el área con agua tibia y corriente durante varios minutos. Busque atención médica de inmediato.	Enjuague el área con agua tibia y corriente durante varios minutos. Si la irritación persiste, busque atención médica.
Inhalación	Salga al aire fresco.	Salga al aire fresco.
Ingestión	Si está consciente: Enjuáguese la boca con agua. No induzca el vómito. Póngase en contacto con un Centro para el Control de Envenenamientos o con un médico y siga las indicaciones.	Si está consciente: Enjuáguese la boca con agua. No induzca el vómito. Póngase en contacto con un Centro para el Control de Envenenamientos o con un médico y siga las indicaciones.
Recomendaciones adicionales	Lave la vestimenta después de reutilizarla.	

4.2 SÍNTOMAS AGUDOS Y CRÓNICOS MÁS IMPORTANTES COMO RESULTADO DE UNA EXPOSICIÓN

• EFECTOS AGUDOS EN LA SALUD:

ÁREA EXPUESTA	<u>Producto COMERCIALIZADO</u>	<u>Producto DILUIDO al USARLO</u>
Contacto con los ojos	Es corrosivo del tejido ocular; el contacto causará dolor, enrojecimiento y daño a los tejidos. Puede ocasionar quemaduras químicas y ceguera.	No se prevé que el producto diluido cause efectos adversos en circunstancias típicas si los primeros auxilios se brindan con prontitud. Puede causar irritación ocular leve, especialmente después de una exposición prolongada.
Contacto con la piel	Es corrosivo del tejido cutáneo; el contacto causará dolor, enrojecimiento y daño a los tejidos. Puede ocasionar quemaduras químicas.	No se prevén efectos adversos.
Inhalación	La inhalación del spray, vapores y rocío puede ocasionar tos, congestión nasal e irritación de garganta.	No se prevén efectos adversos.
Ingestión	Es corrosivo y puede causar daños graves y permanentes en la boca, garganta y estómago. Puede ocasionar la muerte si se ingiere.	No se prevén efectos adversos.

• EFECTOS CRÓNICOS EN LA SALUD:

Producto COMERCIALIZADO
No se ha informado ninguno.

Producto DILUIDO al USARLO
No se ha informado ninguno.

• ÓRGANOS QUE AFECTA:

Producto COMERCIALIZADO
Piel, ojos.

Producto DILUIDO al USARLO
No se ha informado ninguno.

4.3 INDICACIÓN DE ATENCIÓN MÉDICA INMEDIATA Y TRATAMIENTO ESPECIAL NECESARIO

La siguiente información es para el **Producto COMERCIALIZADO** y el **Producto DILUIDO al USARLO**.

- **INFORMACIÓN GENERAL: Para toda clase de exposiciones:** En caso de accidente, o si no se siente bien, busque atención médica de inmediato. Lleve este documento y una copia de la etiqueta a su consulta con el médico.
- **RECOMENDACIONES PARA EL MÉDICO:** Dé tratamiento de acuerdo con los síntomas.
- **AFECCIONES MÉDICAS QUE PUEDEN AGRAVARSE CON UNA SOBREENEXPOSICIÓN:** No se ha informado ninguna.

SECCIÓN 5: MEDIDAS CONTRA INCENDIOS

A menos que se indique lo contrario, la información de esta sección corresponde al **Producto COMERCIALIZADO** y el **Producto DILUIDO**.

5.1 MEDIO PARA APAGAR UN INCENDIO

- **MEDIO RECOMENDADO PARA APAGAR UN INCENDIO:** Spray de agua, chorro de agua, polvo seco, espuma, dióxido de carbono, o cualquier otro medio.
- **MEDIOS NO ADECUADOS PARA APAGAR UN INCENDIO:** Ninguno conocido.

5.2 RIESGOS ESPECIALES QUE PUEDEN SURGIR DEBIDO A LA SUSTANCIA O MEZCLA

- **CLASIFICACIÓN DE NFPA SOBRE INFLAMABILIDAD:**

Clasificación

Calificación de NFPA

Producto COMERCIALIZADO



Clasificación de NFPA

No inflamable.

Producto DILUIDO al USARLO



No inflamable.

- **RIESGOS INUSUALES EN CASO DE INCENDIO:**

Descomposición

Susceptibilidad a explosiones en caso de impacto mecánico

Susceptibilidad a explosiones en caso de descarga estática

Producto COMERCIALIZADO

Genera dióxido de carbono, monóxido de carbono, cloruro de hidrógeno, amoníaco y óxidos de nitrógeno.

No corresponde.

No corresponde.

Producto DILUIDO al USARLO

Genera dióxido de carbono, monóxido de carbono, cloruro de hidrógeno, amoníaco y óxidos de nitrógeno.

No corresponde.

No corresponde.

5.3 SUGERENCIAS PARA LOS BOMBEROS

En cualquier situación, debe usar un equipo de protección completo y aparatos de respiración autónomos para apagar incendios. Mueva los contenedores del área del incendio si es posible hacerlo sin poner en riesgo al personal. En caso contrario, utilice spray de agua para mantener frescos los contenedores expuestos al fuego. Debido a que este producto es un agente de limpieza, el equipo que entre en contacto con esta solución se puede enjuagar bien con agua y luego puede volverse a usar.

SECCIÓN 6: MEDIDAS EN CASO DE DERRAME ACCIDENTAL

A menos que se indique lo contrario, la información de esta sección corresponde al **Producto COMERCIALIZADO** y el **Producto DILUIDO**.

6.1 PRECAUCIONES PERSONALES, EQUIPO DE PROTECCIÓN Y PROCEDIMIENTOS DE EMERGENCIA

- **RESPUESTA ANTE DERRAMES ACCIDENTALES:** El personal que ha recibido capacitación básica para la manipulación de sustancias químicas puede manejar los derrames a pequeña escala. Es necesario utilizar guantes y lentes de seguridad al limpiar los derrames. Mientras limpia, tenga cuidado; los pisos y objetos contaminados pueden estar resbalosos.
- **RESPUESTA ANTE DERRAMES NO ACCIDENTALES:** En general, los derrames de este material no irán más allá de la pérdida de un envío de material (es decir, 12 galones o menos). Por lo tanto, el personal puede seguir las instrucciones en caso de derrames accidentales. Según corresponda, responda a los derrames no accidentales de sustancias químicas cuando haya un derrame de este producto (como la destrucción simultánea de varias paletas del producto) limpiando el área afectada y poniéndose en contacto con el personal de emergencias adecuado. En caso de que se hayan derramado más de 5 galones de este material, deben utilizarse lentes de seguridad con protección para el rostro y una mascarilla purificadora de aire con un filtro de partículas de alta eficiencia.
- **PROCEDIMIENTOS DE RESPUESTA ANTE CUALQUIER DERRAME:** Absorba el líquido derramado con polypads u otros materiales absorbentes adecuados. Enjuague bien el área. Debido a que este producto es un agente de limpieza, todos los objetos que entren en contacto con la solución pueden volver a usarse después de enjuagarlos.

6.2 PRECAUCIONES AMBIENTALES

- Evite las acciones de respuesta que puedan ocasionar el derrame de una cantidad significativa del producto (más de 4 galones) en el medioambiente. Evite la dispersión accidental del material derramado en la tierra, vías acuáticas y alcantarillados.

6.3 MÉTODOS Y MATERIALES PARA LA CONTENCIÓN Y LABORES DE LIMPIEZA

- **EQUIPO DE RESPUESTA EN CASO DE DERRAME:** Polypad u otro material absorbente.

6.4 REFERENCIAS A OTRAS SECCIONES

- **SECCIÓN 8:** Para los niveles de exposición y recomendaciones detalladas del equipo de protección personal.
- **SECCIÓN 13:** Para conocer las pautas en el manejo de desperdicios.

SECCIÓN 7: MANIPULACIÓN Y ALMACENAMIENTO

7.1 PRECAUCIONES PARA EL MANEJO SEGURO

ITEM	<u>Producto COMERCIALIZADO</u>	<u>Producto DILUIDO al USARLO</u>
Prácticas de higiene	Manténgase fuera del alcance de los niños. Siga las buenas prácticas de higiene química. No fume, beba, coma ni se aplique cosméticos en el área de uso de sustancias químicas. Evite la inhalación de rocíos y sprays. Utilice en áreas bien ventiladas. Evite el contacto con la piel o los ojos. Retire la vestimenta contaminada inmediatamente.	Manténgase fuera del alcance de los niños. Siga las buenas prácticas de higiene química. No fume, beba, coma ni se aplique cosméticos en el área de uso de sustancias químicas. Evite la inhalación de rocíos y sprays. Utilice en áreas bien ventiladas. Evite el contacto con la piel o los ojos. Retire la vestimenta contaminada inmediatamente.
Prácticas de manejo	Limpie el producto derramado de inmediato. Los empleados deben estar debidamente capacitados para utilizar este producto de la manera más segura según sea necesario. Mantenga los recipientes cerrados cuando no los use. Evite las condiciones que crean descarga eléctrica estática.	Limpie el producto derramado de inmediato. Los empleados deben estar debidamente capacitados para utilizar este producto de la manera más segura según sea necesario. Mantenga los recipientes cerrados cuando no los use.

7.2 CONDICIONES PARA EL ALMACENAMIENTO SEGURO, INCLUYENDO CUALQUIER INCOMPATIBILIDAD

	<u>Producto COMERCIALIZADO</u>	<u>Producto DILUIDO al USARLO</u>
Prácticas de almacenamiento	Asegúrese de que todos los envases estén etiquetados de manera correcta. Conserve los envases fuera de la luz solar directa, de las fuentes intensas de calor o cuando sea posible que se congelen. Almacene este producto alejado de sustancias químicas incompatibles. Revise todos los contenedores entrantes antes de guardar, para asegurarse de que estén debidamente etiquetados y no se encuentren dañados. Los envases vacíos pueden contener residuos de líquido, por lo tanto, deben manejarse con cuidado.	Asegúrese de que todos los envases estén etiquetados de manera correcta. Conserve los envases fuera de la luz solar directa, de las fuentes intensas de calor o cuando sea posible que se congelen. Almacene este producto alejado de sustancias químicas incompatibles.
Incompatibilidades	Consulte la sección 10 (estabilidad y reactividad).	Consulte la sección 10 (estabilidad y reactividad).

SECCIÓN 8: CONTROLES DE EXPOSICIÓN/PROTECCIÓN PERSONAL

8.1 PARÁMETROS DE CONTROL

- **LÍMITES DE EXPOSICIÓN EN EL AIRE: LÍMITES DE EXPOSICIÓN EN EL AIRE:**

COMPONENTE	ACGIH TLV	OSHA PEL	NIOSH REL	OTRO
Etanol 64-17-5	1000 ppm (STEL)	1000 ppm (TWA)	1000 ppm (TWA) 3300 ppm (IDLH)	CA PEL: 1000 ppm (TWA)

- **LÍMITES DE EXPOSICIÓN BIOLÓGICA EN EL TRABAJO:** No establecido.

8.2 CONTROLES DE EXPOSICIÓN

- **PRODUCTO COMERCIALIZADO:**

Controles de ingeniería	Utilice en ambientes bien ventilados.
Protección respiratoria	No es necesario en circunstancias de uso normal.
Protección de las manos	Se recomiendan guantes de neopreno, PVC o butilo si existe la posibilidad de contacto con la piel. Asegúrese de que los guantes estén intactos antes de usarlos.
Protección de los ojos	Gafas de seguridad, si pueden ocurrir salpicaduras/sprays al usar.
Protección corporal	No es necesario en circunstancias de uso normal.

- **PRODUCTO DILUIDO AL USARLO:**

Precauciones personales	Utilice en ambientes bien ventilados. Por lo general, no se requiere protección personal para la mayoría de las circunstancias de uso. Si existe la posibilidad de períodos prolongados de uso de este producto, o volúmenes mayores de lo normal, consulte la información de Recomendaciones de uso anterior.
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SECCIÓN 8: CONTROLES DE EXPOSICIÓN/PROTECCIÓN PERSONAL (continuación)

8.3 SÍMBOLOS DE PROTECCIÓN PERSONAL

Protección de las manos
(Si se provee contacto con la piel)

Protección de los ojos
(Si pueden ocurrir salpicaduras o sprays)

Producto COMERCIALIZADO



Producto DILUIDO al USARLO

No se necesitan guantes.

No se necesita protección para los ojos.

SECCIÓN 9: PROPIEDADES FÍSICAS Y QUÍMICAS

9.1 INFORMACIÓN SOBRE LAS PROPIEDADES FÍSICAS Y QUÍMICAS BÁSICAS

	Producto COMERCIALIZADO	Producto DILUIDO al USARLO
Aspecto	Líquido amarillo.	Líquido amarillo claro pálido.
Olor	Limón.	Limón.
Umbral olfativo	No determinado.	No determinado.
pH:	6.0-8.0	Aproximadamente 7
Punto de fusión y punto de congelamiento	< 0 °C (32 °F).	Aprox. 0 °C (32 °F).
Punto de ebullición inicial y rango de ebullición	>100 °C (210 °F).	Aproximadamente 100 °C (212 °F).
Punto de inflamación	> 93,3 °C (200 °F).	No corresponde.
Tasa de evaporación (Agua = 1)	Aprox. 1.0.	Aprox. 1.0.
Inflamabilidad	No corresponde.	No corresponde.
Límites superiores e inferiores de explosividad	No corresponde.	No corresponde.
Presión de vapor	No determinado.	No determinado.
Densidad del vapor	No determinado.	No determinado.
Densidad relativa (Densidad)	1.011 (8.34 lb/gal)	Aprox. 1.0.
Solubilidad	Totalmente soluble en agua.	Totalmente soluble en agua.
Coefficiente de partición n-octanol/agua	No determinado.	No determinado.
Temperatura de autoinflamación	No corresponde.	No corresponde.
Temperatura de descomposición	No determinado.	No determinado.
Viscosidad	No determinado.	No determinado.

9.2 INFORMACIÓN ADICIONAL

- VOC (menos agua y exento de solventes): No corresponde.
- PESO % VOC: No corresponde.

SECCIÓN 10: ESTABILIDAD Y REACTIVIDAD

A menos que se indique lo contrario, la información de esta sección corresponde al **Producto COMERCIALIZADO** y el **Producto DILUIDO**.

10.1 REACTIVIDAD

- No es reactivo en condiciones normales de uso o manipulación.

10.2 ESTABILIDAD QUÍMICA

- Es normalmente estable en condiciones estándar de temperatura y presiones.

10.3 POSIBILIDAD DE REACCIONES PELIGROSAS

- Este producto no es autoreactivo, ni reactivo al agua o al aire.
- Este producto no experimentará una polimerización peligrosa.

SECCIÓN 10: ESTABILIDAD Y REACTIVIDAD (Continuación)

10.4 CONDICIONES QUE SE DEBEN EVITAR

- Evite el contacto con sustancias químicas incompatibles.

10.5 MATERIALES INCOMPATIBLES

- Agentes oxidantes fuertes y aniónicos.

10.6 PRODUCTOS DE DESCOMPOSICIÓN PELIGROSA

- Los productos de descomposición térmica de este material incluyen óxidos de carbono (es decir, monóxido de carbono y dióxido de carbono), cloruro de hidrógeno, amoníaco y óxidos de nitrógeno.

SECCIÓN 11: INFORMACIÓN TOXICOLÓGICA

A menos que se indique lo contrario, la información de esta sección corresponde al **Producto COMERCIALIZADO** y el **Producto DILUIDO**.

11.1 INFORMACIÓN SOBRE LOS EFECTOS TOXICOLÓGICOS

- **TOXICIDAD AGUDA:**

- **DATOS DE TOXICIDAD DEL PRODUCTO:**

- Estimación de toxicidad aguda (oral): > 5000 mg/kg
- Estimación de toxicidad aguda (dérmica): > 2,000 mg /kg

- **DATOS DE TOXICIDAD:** Los siguientes datos están disponibles para los componentes de este producto:

CLORURO DE BENZALCONIO

LD50 (Oral, rata) = 426 mg/kg

**1-DECANAMINIO, N-DECIL-N,N-DIMETIL-,
CLORO**

LD50 (Oral, rata) = 84 mg/kg

LD50 (Dérmica/rata) > 2000 mg/kg

- **GRADO DE IRRITACIÓN:** Provoca graves quemaduras en la piel y lesiones oculares. Consulte la sección 4 (medidas de primeros auxilios) para obtener más información.

- **SENSIBILIZACIÓN:** No se ha informado que los componentes de este producto tengan efectos de sensibilización cutánea o respiratoria.

- **REVISIÓN DE SÍNTOMAS AGUDOS Y EFECTOS POR LA VÍA DE EXPOSICIÓN:** Consulte la sección 2.

ÁREA EXPUESTA

Contacto con los ojos

Producto COMERCIALIZADO

Es corrosivo del tejido ocular.

Producto DILUIDO AL USARLO

Puede causar irritación de los ojos, especialmente después de una exposición prolongada.

No se prevén efectos adversos.

Contacto con la piel

Es corrosivo del tejido cutáneo; el contacto causará dolor, enrojecimiento y daño a los tejidos.

No se prevén efectos adversos

Inhalación

La inhalación del spray, vapores y rocío puede ocasionar tos, congestión nasal e irritación de garganta.

No se prevén efectos adversos

Ingestión

Es corrosivo y puede causar daños graves y permanentes en la boca, garganta y estómago. Puede ocasionar la muerte si se ingiere.

- **TOXICIDAD CRÓNICA:**

- **CONDICIÓN CARCINÓGENA:** No corresponde.

- **INFORMACIÓN DE TOXICIDAD REPRODUCTIVA:** No se ha informado que los componentes de este producto ocasionen efectos reproductivos en condiciones normales de exposición.

- **EFECTOS MUTAGÉNICOS:** No se ha informado que los componentes de este producto ocasionen efectos reproductivos en condiciones normales de exposición.

- **TOXICIDAD ESPECÍFICA EN ÓRGANOS AFECTADOS POR EXPOSICIÓN ÚNICA:** No corresponde.

- **TOXICIDAD ESPECÍFICA EN ÓRGANOS AFECTADOS POR EXPOSICIÓN REPETIDA:** No corresponde.

- **RIESGO DE ASPIRACIÓN:** No corresponde.

- **INFORMACIÓN ADICIONAL:**

- **PRODUCTOS TOXICOLÓGICOS SINÉRGICOS:** Ninguno conocido.

- **TOXICOLOGÍA ADICIONAL:** No corresponde.

SECCIÓN 12: INFORMACIÓN ECOLÓGICA

A menos que se indique lo contrario, la información de esta sección corresponde al **Producto COMERCIALIZADO** y el **Producto DILUIDO**.

12.1 TOXICIDAD

- En base a los datos disponibles, este producto puede ser dañino o mortal para las plantas o animales terrestres o acuáticos que se hayan contaminado, dependiendo de la duración del contacto y la cantidad derramada.
- Los siguientes datos sobre toxicidad acuática están disponibles para los componentes de este producto.

CLORURO DE BENZALCONIO

LC50 (Morone saxatilis): fry, 14100. µg/L/96 horas

1-DECANAMINIO, N-DECIL-N,N-DIMETIL-, CLORO

LC50 (Brachydanio rerio): 0.49 mg/L - 96 horas

EC50 (Daphnia magna): 0.094 mg/L - 48 horas

12.2 PERSISTENCIA Y DEGRADABILIDAD

- Si se vierten al terreno, se espera que los componentes de este producto se biodegraden, se disipen en la tierra a través de la oxidación, o bien se degraden químicamente o se descompongan a través de la radiación solar.

12.3 POTENCIAL BIOACUMULATIVO

- No está previsto que este producto se bioacumule de manera significativa.

12.4 MOVILIDAD EN EL TERRENO

- Se espera que este producto presente cierta movilidad en el terreno.

12.5 OTROS EFECTOS ADVERSOS

- No se ha informado ninguno.

SECCIÓN 13: NOTAS SOBRE LA ELIMINACIÓN

13.1 MÉTODOS PARA EL TRATAMIENTO DE RESIDUOS

Producto COMERCIALIZADO

Elimine el producto de acuerdo con todas las reglamentaciones federales, estatales y locales.

Producto DILUIDO al USARLO

Elimine el producto sin usar de acuerdo con todas las reglamentaciones federales, estatales y locales.

13.2 NOTAS SOBRE LA ELIMINACIÓN

- CÓDIGO RCRA DE EPA PARA RESIDUOS:** El código de residuos debe asignarse en discusión entre el usuario, el productor y la empresa de eliminación de residuos.

SECCIÓN 14: INFORMACIÓN DE TRANSPORTE

14.1 DESCRIPCIÓN BÁSICA SOBRE MERCANCÍAS PELIGROSAS Y OTRA INFORMACIÓN DE TRANSPORTE

NOTA: Este producto está empaquetado en volúmenes de **CANTIDAD LIMITADA** para algunos modos de transporte. Siga los requisitos para embalajes de Cantidad Limitada apropiados para el modo de transporte.

- NORMAS DEL DEPARTAMENTO DE TRANSPORTE PARA EL ENVÍO DE MATERIALES PELIGROSOS:**

Número de UN/NA	Nombre correcto de envío	Grupo de empaque	Clase de riesgo	Etiqueta	Número de la Guía de Respuestas en caso de Emergencias de Norteamérica	Estado del contaminante marino
Este producto está empaquetado en cantidades limitadas. Siga los requisitos en 49 CFR 173.154.				Cantidad limitada	No Aplica	No Aplica

- INFORMACIÓN PARA EL TRANSPORTE DE CANADÁ:** Este producto está regulado por Transport Canada como mercancía peligrosa según las normas de transporte canadienses en embalaje de cantidad limitada. Consulte la información anterior.
- DESIGNACIÓN DE IATA:** Este producto está considerado como material peligroso por parte de la International Air Transport Association.

Número de UN/NA	Nombre correcto de envío	Grupo de empaque	Clase de riesgo	Etiqueta	CANTIDAD LIMITADA: Instrucciones de embalaje (cantidad máx. por paquete)	OTROS ENVIOS Instrucciones de embalaje (cantidad máx. por paquete)
UN1760	Líquidos corrosivos, n.e.p. (cloruro de amonio cuaternario)	III	8	Cantidad limitada (Aire)	Y841 (1L)	852 (5L)

SECCIÓN 14: INFORMACIÓN DE TRANSPORTE (continuación)

- **DESIGNACIÓN DE IMO:** Este producto está regulado como mercancía peligrosa por la International Maritime Organization en empaques de Cantidad Limitada. Consulte la siguiente información.

Número de UN/NA	Nombre correcto de envío	Grupo de empaque	Clase de riesgo	Label	Cantidad máx. por Paquete	EM-S
Este producto está empaquetado en volúmenes de cantidad limitada. Siga las instrucciones del Código marítimo internacional de mercancías peligrosas de la OMI, Sección 3.4.				Cantidad limitada	5L	FA-SB

14.2 **RIESGOS AMBIENTALES**

- No se describe ninguno en relación con el transporte.

14.3 **PRECAUCIONES ESPECIALES PARA LOS USUARIOS**

- No corresponde.

14.4 **TRANSPORTE A GRANEL**

- No corresponde.

SECCIÓN 15: INFORMACIÓN DE REGLAMENTACIÓN

15.1 **REGLAMENTACIONES ESPECÍFICAS PARA EL PRODUCTO SOBRE EL MEDIOAMBIENTE, SEGURIDAD Y SALUD**

• **OTRAS REGLAMENTACIONES IMPORTANTES DE LOS EE. UU.**

- **CATEGORÍAS DE RIESGO SARA DE LOS EE. UU. (SECCIÓN 311/312, CFR 40, 370-21):** Toxicidad aguda; Corrosión / Irritación de la Piel; Lesiones o irritación ocular graves.
- **CANTIDAD PARA INFORMAR DE LA CERCLA (RQ):** No corresponde.
- **ESTADO DE INVENTARIO DE LA TSCA:** Todos los ingredientes de este producto están enumerados en el Inventario de la TSCA.
- **SARA DE LOS EE. UU, SECCIÓN 313:** Los componentes de este producto no están sujetos a los requisitos de información.
- requisitos de información.
- **ESTADO DE LA LEY DE CALIFORNIA PARA EL AGUA POTABLE (PROPUESTA 65):**



ADVERTENCIA: Este producto puede exponerlo al Trisódico NTA y al metanol, sustancias químicas conocidas en el estado de California como causantes de cáncer, defectos de nacimiento y otros daños reproductivos. Para obtener más información, visite www.p65Warnings.ca.gov

• **NORMAS INTERNACIONALES**

- **ESTADO REGULATORIO CANADIENSE: ESTADO REGULATORIO CANADIENSE:** El producto está clasificado como peligroso de acuerdo con las normas de Productos peligrosos (SOR-2015-17).
 - WHMIS 2015: Consulte la sección 2.
 - Esta SDS contiene toda la información exigida por el HPR.
- **ESTADO DE INVENTARIO DSL/NDSL DE CANADÁ:** Todos los ingredientes de este producto están enumerados en el Inventario de DSL/NDSL.
- **LISTAS DE SUSTANCIAS PRIORITARIAS DE LA LEY PARA LA PROTECCIÓN AMBIENTAL DE CANADÁ (CEPA):** Los ingredientes de este producto no se encuentran en la lista de sustancias prioritarias de la CEPA.

SECCIÓN 16: INFORMACIÓN ADICIONAL

16.1 **INDICACIÓN DE CAMBIOS**

- **FECHA DE REVISIÓN:** 24 de junio de 2022
- **ANULA:** 27 de abril de 2015
- **CAMBIO INDICADO:** Actualización de la información del fabricante, adición de códigos H/P; revisión y actualización regulatoria; establecer una distinción entre equipos de protección personal de uso profesional y de consumo.

16.2 **REFERENCIAS CLAVE A DOCUMENTOS Y FUENTES DE DATOS**

- HOJAS DE DATOS DE SEGURIDAD PARA LOS INGREDIENTES DE LOS PRODUCTOS.
- Norma federal de Comunicación de riesgos de la OSHA: CFR 29, 1910.1200.

SECCIÓN 16: INFORMACIÓN ADICIONAL (continuación)

16.3 SISTEMA DE CLASIFICACIÓN DE MATERIALES PELIGROSOS

Producto COMERCIALIZADO

Salud	3	Calificación del Equipo de Protección Personal de HMIS: Situaciones de uso laboral: B – Lentes de seguridad y guantes. Deben usarse gafas de seguridad y guantes cuando se puedan generar salpicaduras / aerosoles.
Inflamabilidad	0	
Riesgos físicos	0	
Equipo de protección	B	

Producto DILUIDO AL USARLO

Salud	0	Calificación del Equipo de Protección Personal de HMIS: Situaciones de uso laboral: No se necesita equipo de protección en circunstancias normales de uso y manipulación.
Inflamabilidad	0	
Riesgos físicos	0	
Equipo de protección	No corresponde	

16.4 AVISO

Waxie's Enterprises, LLC., una empresa de Envoy Solutions (WAXIE) no garantiza, expresa ni asegura la precisión, suficiencia o integridad del material establecido en el presente documento. Es responsabilidad del usuario determinar la seguridad, toxicidad e idoneidad de su propio uso, manejo y eliminación de este producto. Debido a que el uso real por parte de otros está fuera de nuestro control, WAXIE no expresa ni implica ninguna garantía sobre los efectos de dicho uso, los resultados al haberlos obtenido o la seguridad y toxicidad de este producto, y WAXIE tampoco asume ninguna responsabilidad surgida del uso de este producto por parte de otros, al que se hace referencia en el presente documento. Los datos de esta SDS se relacionan únicamente con el material específico designado en el presente y no están relacionados con su uso en combinación con otros materiales o en otro proceso. WAXIE no recomienda mezclar este producto con otras sustancias químicas. Toda la información, recomendaciones y datos contenidos en el presente relativos a este producto se basan en la información disponible en el momento de la redacción, provenientes de fuentes técnicas reconocidas.

16.5 ABREVIATURAS Y ACRÓNIMOS

TODAS LAS SECCIONES: OSHA: Administración Federal de Seguridad y Salud Ocupacional de los EE. UU. WHMIS: Norma para el Manejo de Materiales Peligrosos en el Lugar de Trabajo de Canadá. GHS: Sistema de Clasificación Mundialmente Armonizado de Substancias Químicas.

SECCIÓN 3: Número de CAS: Número de Registro de resúmenes químicos, el cual es utilizado por la Sociedad Americana de Sustancias Químicas para identificar particularmente a una sustancia química.

SECCIÓN 5: NFPA: Asociación Nacional para la Protección contra Incendios. **CLASIFICACIÓN DE NFPA SOBRE INFLAMABILIDAD:** La NFPA utiliza el punto de inflamación (F.I.P.) y el punto de ebullición (BP) para clasificar los líquidos inflamables o combustibles. Clase IA: F.I.P. inferior a 73 °F y BP inferior a 100 °F. Clase IB: F.I.P. inferior a 73 °F y BP superior a los 100 °F. Clase IC: F.I.P. superior a 73 °F y BP superior a 100 °F. Clase II: F.I.P. superior a 100 °F e inferior a 140 °F. Clase IIIA: F.I.P. superior a 140 °F e inferior a 200 °F. Clase IIIB: F.I.P. superior a 200 °F. **CLASIFICACIÓN DE MATERIALES PELIGROSOS DE NFPA:** Este es un sistema de calificaciones utilizado para resumir los riesgos físicos y de salud para los bomberos. 0 = Sin riesgo significativo. 1 = Riesgo leve. 2 = Riesgo moderado. 3 = Riesgo severo. 4 = Riesgo extremo.

SECCIÓN 8: NE: No establecido. **ACGIH:** Conferencia Americana de Higienistas Industriales del Gobierno; **TWA:** Promedio ponderado en el tiempo (durante un día de trabajo de 8 horas); **STEL:** Límite de Exposición a Corto Plazo (un promedio de 15 minutos, no más de 4 veces al día y cada exposición con diferencia de una hora como mínimo); **C:** Límite máximo (la concentración no debe excederse en un ambiente laboral). **PEL:** Límite de exposición permisible. **NIOSH:** Instituto Nacional de la Seguridad y Salud Laborales; **REL:** Límite recomendado de exposición. **ppm:** Partes por millón. **mg/m³:** Miligramos por metro cúbico. **mppcf:** Millones de partículas por pie cúbico. **BEI:** Límite de exposición biológica. **IDLH:** Inmediatamente peligroso para la vida y la salud; **CA PEL:** California TABLA AC-1 LÍMITES DE EXPOSICIÓN PERMITIDOS PARA CONTAMINANTES QUÍMICOS

SECCIÓN 9: pH: Escala (del 0 al 14) utilizada para medir la acidez o alcalinidad de soluciones acuosas. Por ejemplo, un valor pH de 0 señala que se trata de una solución muy ácida, un pH de 7 señala que es una solución neutral, y un valor pH de 14 indica una solución extremadamente básica. **PUNTO DE INFLAMACIÓN:** La temperatura a la cual un líquido genera suficientes vapores inflamables como para que ocurra la ignición. **TEMPERATURA DE AUTOIGNICIÓN:** La temperatura a la cual ocurre una ignición espontánea. **LÍMITE EXPLOSIVO INFERIOR (LEL):** La concentración mínima de vapores inflamables en el aire que pueden provocar una ignición. **LÍMITE EXPLOSIVO SUPERIOR (UEL):** La concentración máxima de vapores inflamables en el aire que pueden provocar una ignición. ≈: Símbolo de aproximadamente. **VOC:** Compuesto orgánico volátil.

SECCIÓN 11: CONDICIÓN CARCINÓGENA: NTP: Programa Nacional de Toxicología. IARC: Agencia Internacional para la Investigación del Cáncer. **INFORMACIÓN DE TOXICIDAD REPRODUCTIVA:** Mutágeno: Una sustancia que puede causar daños en los cromosomas de las células. Embriotomía: Una sustancia que puede dañar el embrión en desarrollo en una mujer que sufre sobreexposición. Teratógeno: Una sustancia que puede dañar el feto en desarrollo en una mujer que sufre sobreexposición. Toxina de la reproducción: Una sustancia que puede afectar adversamente a los órganos reproductores femenino o masculino o sus funciones. **DATOS DE TOXICIDAD:** LDxx o LCxx: La Dosis letal o Concentración letal de una sustancia que resultaría mortal en un porcentaje dado (xx) de pruebas en animales expuestos por la vía designada de administración. Este valor se utiliza para conocer la toxicidad de sustancias químicas en humanos. TDxx o TCxx: La Dosis tóxica o Concentración tóxica de una sustancia que ocasionaría un efecto adverso en un porcentaje dado (xx) de pruebas en animales expuestos por la vía designada de administración.

SECCIÓN 12: EC50: Concentración de efecto (en el 50% del grupo de estudio); **BOD:** Demanda biológica de oxígeno. **COD:** Demanda de oxígeno químico. **ThOD:** Demanda teórica de oxígeno. **TLM:** Límite de tolerancia media.

SECCIÓN 13: RCRA: Ley para la Conservación y Recuperación de Recursos. Las normas promulgadas de conformidad con esta ley se encuentran en el CFR 40, secciones 260 ff, y definen los requisitos de la generación, transporte, tratamiento, almacenamiento y eliminación de residuos peligrosos. **Códigos de residuos RCRA de la EPA:** Se definen en el CFR 40, sección 261.

SECCIÓN 15: CERCLA: Ley Integral de Compensación, Responsabilidad y Respuesta Ambiental (también conocida como "Superfund") y **SARA:** (Ley de Modificación y Reautorización de la Superfund). Las normas promulgadas de acuerdo con esta ley se localizan en el CFR 40, 300 ff. y brindan los requisitos de "el derecho a saber de la comunidad". **TSCA:** Ley de Control de Sustancias Tóxicas: Las normas que rigen la fabricación y venta de sustancias químicas, ubicadas en el CFR 40, 700-766. **DSL/NDL:** Listas canadienses de Sustancias Domésticas y no Domésticas.

SECCIÓN 16: SISTEMA DE CALIFICACIÓN PARA LA IDENTIFICACIÓN DE MATERIALES PELIGROSOS: Este es un sistema de calificación utilizado por el sector para resumir los riesgos físicos y a la salud de los usuarios de sustancias químicas, y fue desarrollado originalmente por la Asociación Nacional de Pinturas y Recubrimientos. 0 = Sin riesgo significativo. 1 = Riesgo leve

SAFETY DATA SHEET



This Safety Data Sheet (SDS) complies with the requirements of the U.S. Federal Occupational Safety and Health Administration Hazard Communication Standard (29 CFR 1910.1200, as updated in 2012) and equivalent state Standards. It has also been developed in accordance with the United Nations Globally Harmonized System of Classification of Chemicals (GHS) and the Canadian Workplace Hazardous Materials Information System (WHMIS). Refer to Section 16 of this document for the definition of terms and abbreviations.

SECTION 1: IDENTIFICATION

1.1 PRODUCT IDENTIFIER

- ITEM NUMBER(S): 170394, 170700, 170704,
- PRODUCT NAME: **764 Lemon Quat Disinfectant Cleaner**
GL: 170394
3L: 170700
GL: 170704

1.2 RELEVANT IDENTIFIED USES OF THE MIXTURE

- RECOMMENDED USE: Disinfection of surfaces, equipment.
- IDENTIFIED USERS: For sale to, use and storage by service persons only.

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

- MANUFACTURER/
SUPPLIER: **Waxie's Enterprises, LLC, an Envoy Solutions Company**
- ADDRESS: 9353 Waxie Way, San Diego, CA 92123-1036
- BUSINESS PHONE: 1-800-995-4466
- EMERGENCY PHONE: 1-800-255-3924 (CHEMTEL; 24 hours)

1.4 OTHER PERTINENT INFORMATION

- This product is intended to be used only after dilution. The relevant hazard and safety data are specified for both the **Product as SOLD** and **Product at USE DILUTION**, where appropriate.
- EPA Registration #1839-169-14994.

SECTION 2: HAZARD IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:

OSHA/HCS Status: The product is a disinfectant that has been labelled according to the regulations under FIFRA (Federal Insecticide, Fungicide and Rodenticide Act). The following GHS information has been developed based on OSHA regulations under Hazard Communication (29 CFR 1910.1200), the hazards associated with the components and their concentrations, and the anticipated routes of exposure for this product as sold and used.

OSHA/HCS Status

Classification of the Substance or Mixture

Product as SOLD

Skin corrosion/Irritation (Category 1);
Serious eye damage/Irritation (Category 1)

Product at USE DILUTION

Not rated as a hazardous material under OSHA hazard classification definitions (29 CFR 1910, 200, Appendices A and B). The following label elements have been prepared based on prudent practice for use, accident response and storage.

2.2 LABEL ELEMENTS:

ELEMENT

Hazard Pictograms

Product as SOLD



Product at USE DILUTION

Not applicable.

Signal Word

DANGER

Not applicable.

Hazard Statements

H314: Causes severe skin burns and eye damage. H318: Causes serious eye damage.

Not applicable.

SECTION 2: HAZARDS IDENTIFICATION (Continued)

2.2 LABEL ELEMENTS (Continued):

ELEMENT	<u>Product as SOLD</u>	<u>Product at USE DILUTION</u>
Precautionary Statements		
Prevention	P102: Keep out of reach of children. P103: Read label before use. P264: Wash face, hands, and any exposed skin thoroughly after handling. P280: Wear protective gloves, protective clothing, and eye protection/face protection.	P103: Read label before use. P264: Rinse exposed skin after use.
Response	P301+330+331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P303+361+353: IF ON SKIN (OR HAIR): Take off immediately all contaminated clothing. Rinse skin with water/shower. IF P304:340: INHALED: Remove person to fresh air and keep comfortable for breathing. P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. P310: Immediately call a POISON CENTER or doctor/physician. P363: Wash contaminated clothing before reuse.	P313: In case of accidental exposure, seek medical advice if irritation persists.
Storage	P406+235+410+403: Store in original plastic container, or a corrosive resistant container with a corrosive resistant inner liner, locked up in a cool, dry, well-ventilated place at room temperature away from direct sunlight. P404: Keep container tightly closed.	(No P Code Specified): Store in a cool dry place at room temperature away from direct sunlight.
Disposal	P501: Dispose of contents and container according to the local, city, state, and federal regulations	(No P Code Specified): Triple rinse container and offer for recycling. Dispose of contents and container according to the local, city, state, and federal regulations.

2.3 OTHER PERTINENT DATA ON CHEMICAL AND PHYSICAL HAZARDS:

- Not applicable.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 SUBSTANCES/MIXTURES

CHEMICAL	CAS NUMBER	GHS HAZARD CLASSIFICATION FOR CHEMICAL	% (w/w)
Benzalkonium Chloride	68424-85-1	Acute toxicity, Oral (Category 4); Skin corrosion (Category 1B); Serious eye damage (Category 1)	1-5 ¹
Quaternium-24	32426-11-2	Acute toxicity, Oral (Category 4); Skin corrosion (Category 1B); Serious eye damage (Category 1)	1-5
1-Octanaminium, N,N-Dimethyl-N-octyl-, chloride	5538-94-3	Acute toxicity, Oral (Category 4); Skin corrosion (Category 1B)	< 1
1-Decanaminium, N-Decyl-N,N-dimethyl-, chloride	7173-51-5	Acute toxicity, Oral (Category 3); Skin corrosion (Category 1B); Serious eye damage (Category 1); Acute aquatic toxicity (Category 1); Chronic aquatic toxicity (Category 2)	< 1
Water and other components less than 1% in concentration within this solution. The remaining components of this product are not classified as hazardous in their existing concentrations			Balance

¹ The exact percentage of composition has been withheld as a trade secret. All relevant physical and health hazards have been declared, in accordance with regulatory requirements.

SECTION 4: FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES

AREA EXPOSED	<u>Product as SOLD</u>	<u>Product at USE DILUTION</u>
Eye Contact	Flush with copious amounts of water for 15 minutes. "Roll" eyes during flush. Seek medical attention immediately.	Flush with copious amounts of water for 15 minutes. "Roll" eyes during flush. Seek medical attention if irritation persists.
Skin Contact	Flush area with warm, running water for several minutes. Seek medical attention immediately.	Flush area with warm, running water for several minutes. Seek medical attention if irritation persists.
Inhalation	Obtain fresh air.	Obtain fresh air.
Ingestion	If conscious only: Rinse mouth with water. Do not induce vomiting. Contact a Poison Control Center or physician for instructions. .	If conscious only: Rinse mouth with water. Drink several cups of water. Do not induce vomiting. Contact a Poison Control Center or physician for instructions.
Other Recommendations	Wash clothing before reuse.	

4.2 MOST IMPORTANT ACUTE AND CHRONIC EXPOSURE SYMPTOMS

- ACUTE HEALTH EFFECTS:

AREA EXPOSED	<u>Product as SOLD</u>	<u>Product at USE DILUTION</u>
Eye Contact	Corrosive to eye tissue; contact will cause pain, redness, and tissue damage. Chemical burns and blindness may occur.	Diluted product is not anticipated to cause adverse effects under typical circumstances if first aid is rendered promptly. May cause mild eye irritation, especially after prolonged exposure.
Skin Contact	Corrosive to skin tissue; contact will cause pain, redness, and tissue damage. Chemical burns may occur.	No adverse effects anticipated.
Inhalation	Inhalation of sprays, mists may cause coughing, nasal congestion, and sore throat.	No adverse effects anticipated.
Ingestion	Corrosive and may cause severe and permanent damage to mouth, throat, and stomach. May be fatal if swallowed.	No adverse effects anticipated.

- CHRONIC HEALTH EFFECTS:

<u>Product as SOLD</u>	<u>Product at USE DILUTION</u>
None reported.	None reported.

- TARGET ORGANS:

<u>Product as SOLD</u>	<u>Product at USE DILUTION</u>
Skin, eyes.	None reported.

4.3 INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

The following information is for both **Product AS SOLD** and **Product at USE DILUTION**.

- GENERAL INFORMATION: For all exposures:** In case of accident, or if you feel unwell, seek medical advice immediately. Take this document and a copy of the label to the healthcare professional.
- RECOMMENDATIONS TO PHYSICIANS:** Treat symptomatically.
- MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE:** None reported.

SECTION 5: FIREFIGHTING MEASURES

Unless stated, information in this section is for both **Product as SOLD** and **Product at USE DILUTION**.

5.1 EXTINGUISHING MEDIA

- RECOMMENDED FIRE EXTINGUISHING MEDIA:** Water Spray, Water Jet, Dry Powder, Foam, Carbon Dioxide, or any other.
- UNSUITABLE FIRE EXTINGUISHING MEDIA:** None known.

SECTION 5: FIREFIGHTING MEASURES (Continued)

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

- **NFPA FLAMMABILITY CLASSIFICATION:**

Classification

NFPA Rating

Product as SOLD



NFPA Classification

Not flammable.

Product at USE DILUTION



Not flammable.

- **UNUSUAL HAZARDS IN FIRE SITUATIONS:**

Decomposition

Explosion Sensitivity to Mechanical Impact

Explosion Sensitivity to Static Discharge

Product as SOLD

Generates carbon dioxide, carbon monoxide, hydrogen chloride, ammonia, and nitrogen oxides.

Not applicable.

Not applicable.

Product at USE DILUTION

Generates carbon dioxide, carbon monoxide, hydrogen chloride, ammonia, and nitrogen oxides.

Not applicable.

Not applicable.

5.3 ADVICE FOR FIREFIGHTERS

- Self-Contained Breathing Apparatus and full protective equipment for fire response should be worn in any situation. Move containers from fire area if it can be done without risk to personnel. Otherwise, use water spray to keep fire-exposed containers cool. Because this product is a cleaning agent, any equipment that comes in contact with this solution can be rinsed thoroughly with water and then returned to service.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Unless stated, information in this section is for both **Product as SOLD** and **Product at USE DILUTION**.

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES

- **RESPONSE TO INCIDENTAL RELEASES:** Personnel who have received basic chemical safety training can generally handle small-scale releases. Gloves and safety glasses must be worn when cleaning-up spills. Use caution during clean-up; contaminated floors and items may be slippery.
- **RESPONSE TO NON-INCIDENTAL RELEASES:** Generally, releases of this product will be no larger than the loss of one shipment of material. Subsequently, personnel can follow the instructions for incidental releases. As needed, respond to non-incident chemical releases of this product (such as the simultaneous destruction of several pallets of this product) by clearing the impacted area and contacting appropriate emergency personnel. In the event that over 5 gallons of this material has spilled, safety goggles with face-shield and air-purifying respirator with High Efficiency Particulate Filter should be worn.
- **RESPONSE PROCEDURES FOR ANY RELEASE:** Absorb spilled liquid with polypads or other suitable absorbent materials. Rinse area thoroughly. Because this product is a disinfectant, all items that come in contact with the solution can be returned to service after rinsing.

6.2 ENVIRONMENTAL PRECAUTIONS

- Avoid response actions that can cause a release of a significant amount of product (more than 4 gallons) into the environment. Avoid accidental dispersal of spilled material into soil, waterways, and sewers.

6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

- **SPILL RESPONSE EQUIPMENT:** Polypad or other absorbent material.

6.4 REFERENCES TO OTHER SECTIONS

- **SECTION 8:** For exposure levels and detailed personal protective equipment recommendations.
- **SECTION 13:** For waste handling guidelines.

SECTION 7: HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

ITEM	<u>Product as SOLD</u>	<u>Product at USE DILUTION</u>
Hygiene Practices	Keep out of reach of children. Follow good chemical hygiene practices. Do not smoke, drink, eat, or apply cosmetics in the chemical use area. Avoid inhalation of mists and sprays. Use in well-ventilated area. Avoid contact with skin or eyes. Remove contaminated clothing promptly. Clean up spilled product immediately.	Keep out of reach of children. Follow good chemical hygiene practices. Do not smoke, drink, eat, or apply cosmetics in the chemical use area. Avoid inhalation of mists and sprays. Use in well-ventilated area. Avoid contact with skin or eyes. Remove contaminated clothing promptly. Clean up spilled product immediately.
Handling Practices	Employees must be appropriately trained to use this product safely as needed. Keep containers closed when not in use. Avoid conditions that create static electrical discharge.	Employees must be appropriately trained to use this product safely as needed. Keep containers closed when not in use.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

ITEM	<u>Product as SOLD</u>	<u>Product at USE DILUTION</u>
Storage Practices	Ensure all containers are correctly labeled. Store containers away from direct sunlight, sources of intense heat, or where freezing is possible. Store this product away from incompatible chemicals. Inspect all incoming containers before storage, to ensure containers are properly labeled and not damaged. Empty containers may contain residual liquid; therefore, empty containers should be handled with care.	Ensure all containers are correctly labeled. Store containers away from direct sunlight, sources of intense heat, or where freezing is possible. Store this product away from incompatible chemicals.
Incompatibilities	See Section 10 (Stability and Reactivity).	See Section 10 (Stability and Reactivity).

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

- AIRBORNE EXPOSURE LIMITS: AIRBORNE EXPOSURE LIMITS:**

COMPONENT	ACGIH TLV	OSHA PEL	NIOSH REL	OTHER
Ethanol 64-17-5	1000 ppm (STEL)	1000 ppm (TWA)	1000 ppm (TWA) 3300 ppm (IDLH)	CA PEL: 1000 ppm (TWA)

- BIOLOGICAL OCCUPATIONAL EXPOSURE LIMITS:** Not established.

8.2 EXPOSURE CONTROLS

- PRODUCT AS SOLD**
 - Engineering Controls** Use in well-ventilated environment.
 - Respiratory Protection** None needed in normal circumstances of use.
 - Hand Protection** Neoprene, PVC, or butyl gloves are recommended if there is a potential for skin contact. Ensure gloves are intact prior to use.
 - Eye Protection** Safety glasses if splashes/sprays can occur when using.
 - Body Protection** None needed in normal circumstances of use.
- IN USE DILUTION**
 - Personal Precautions** Use in well-ventilated environment. No personal protection is typically required for most circumstances of use. If there is a possibility for extended periods of use of this product, or larger than normal volumes, refer to Recommendations for Use information above.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (Continued)

8.3 PERSONAL PROTECTION SYMBOLS

Hand Protection
(If skin contact is anticipated)

Eye Protection
(If splashes or sprays can occur)

Product as SOLD



Product at USE DILUTION

No gloves required.

No eye protection required.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

	<u>Product as SOLD</u>	<u>Product at USE DILUTION</u>
Appearance	Yellow liquid.	Pale, light yellow liquid.
Odor	Lemon.	Lemon.
Odor Threshold	Not determined.	Not determined.
pH	6.0-8.0	Approximately 7
Melting Point/Freezing Point	< 0°C (32 °F).	Approx. 0°C (32 °F).
Initial Boiling Point/Boiling Range	>100°C (210 °F).	Approximately 100°C (212°F).
Flash Point	> 93.3°C (200 °F).	Not applicable.
Evaporation Rate (Water = 1)	Approx. 1.0.	Approx. 1.0.
Flammability	Not applicable.	Not applicable.
Upper/Lower Explosive Limits	Not applicable.	Not applicable.
Vapor Pressure	Not determined.	Not determined.
Vapor Density	Not determined.	Not determined.
Relative Density (Density)	1.0 (8.34 lb./gal)	Approx. 1.0.
Solubility	Completely soluble in water.	Completely soluble in water.
Partition Coefficient/n-octanol/water	Not determined.	Not determined.
Autoignition Temperature	Not applicable.	Not applicable.
Decomposition Temperature	Not determined.	Not determined.
Viscosity	Not determined.	Not determined.

9.2 OTHER INFORMATION

- **VOC (less water & exempt):** Not applicable.
- **WEIGHT% VOC:** Not applicable.

SECTION 10: STABILITY AND REACTIVITY

Unless stated, information in this section is for both **Product as SOLD** and **Product at USE DILUTION**.

10.1 REACTIVITY

- Not reactive under typical conditions of use or handling.

10.2 CHEMICAL STABILITY

- Normally stable under standard temperatures and pressures.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS

- This product is not self-reactive, water-reactive, or air-reactive.
- This product will not undergo hazardous polymerization.

SECTION 10: STABILITY AND REACTIVITY (Continued)

10.4 CONDITIONS TO AVOID

- Avoid contact with incompatible chemicals.

10.5 INCOMPATIBLE MATERIALS

- Strong oxidizing agents and anionics.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

- Products of thermal decomposition include oxides of carbon (i.e., carbon monoxide and carbon dioxide), hydrogen chloride, ammonia, and nitrogen oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

Unless stated, information in this section is for both **Product as SOLD** and **Product at USE DILUTION**.

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

- **ACUTE TOXICITY:**

- **PRODUCT TOXICITY DATA:**

- Acute Toxicity Estimate: (Oral): > 5000 mg/kg
- Acute Toxicity Estimate (Dermal): > 2,000 mg/kg

- **TOXICOLOGY DATA:** The following data are available for components of this product.

BENZLKONIUM CHLORIDE

LD50 (oral, rat) = 426 mg/kg

1-DECANAMINIUM, N-DECYL-N,N-DIMETHYL-, CHLORIDE

LD50 (oral, rat) = 84 mg/kg

LD50 (dermal, rat) > 2000 mg/kg

- **DEGREE OF IRRITATION:** This product causes severe skin burns and eye damage. See Section 4 (First Aid Measures) for more details.

- **SENSITIZATION:** The components of this product are not reported to have skin or respiratory sensitization effects.

- **REVIEW OF ACUTE SYMPTOMS AND EFFECTS BY ROUTE OF EXPOSURE:** See Section 2 (Hazards Information) and Section 4 (First Aid Measures) for additional details.

AREA EXPOSED

Eye Contact

Product as SOLD

Corrosive to eye tissue.

Product at USE DILUTION

May cause eye irritation, especially after prolonged exposure.

No adverse effects anticipated.

Skin Contact

Corrosive to skin tissue; contact will cause pain, redness, and tissue damage.

No adverse effects anticipated

Inhalation

Inhalation of sprays, mists may cause coughing, nasal congestion, and sore throat.

No adverse effects anticipated

Ingestion

Corrosive and may cause severe and permanent damage to mouth, throat, and stomach. May be fatal if swallowed.

No adverse effects anticipated

- **CHRONIC TOXICITY:**

- **CARCINOGENICITY STATUS:** Not applicable.

- **REPRODUCTIVE TOXICITY INFORMATION:** The components of this product are not reported to cause reproductive effects under typical circumstances of exposure.

- **MUTAGENIC EFFECTS:** The components of this product are not reported to cause mutagenic effects under typical circumstances of exposure.

- **SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE:** Not applicable.

- **SPECIFIC TARGET ORGAN TOXICITY – REPEATED EXPOSURE:** Not applicable.

- **ASPIRATION HAZARD:** Not applicable.

- **OTHER INFORMATION:**

- **TOXICOLOGICALLY SYNERGISTIC PRODUCTS:** None known.

- **ADDITIONAL TOXICOLOGY:** Not applicable.

SECTION 12: ECOLOGICAL INFORMATION

Unless stated, information in this section is for both **Product as SOLD** and **Product at USE DILUTION**.

12.1 TOXICITY

- Based on available data, this product may be harmful or fatal to contaminated terrestrial or aquatic plants or animals, depending on the volume released into the environment.
- The following aquatic toxicity data are available for components of this product.

BENZALKONIUM CHLORIDE

LC50 (Morone saxatilis): fry, 14100. µg/L/96 hours

1-DECANAMINIUM, N-DECYL-N,N-DIMETHYL-CHLORIDE

LC50 (Brachydanio rerio): 0.49 mg/L - 96 hours

EC50 (Daphnia magna): 0.094 mg/L - 48 hours

12.2 PERSISTENCE AND DEGRADABILITY

- When released into the soil, the components of this product are expected to biodegrade, dissipate in soils via oxidation, or otherwise chemically degrade or photo-decompose via solar radiation.

12.3 BIOACCUMULATIVE POTENTIAL

- This product is not anticipated to bioaccumulate significantly.

12.4 MOBILITY IN SOIL

- It is to be expected this product will have some mobility in soil.

12.5 OTHER ADVERSE EFFECTS

- None reported.

SECTION 13: DISPOSAL CONSIDERATION

13.1 WASTE TREATMENT METHODS

Product as SOLD

Dispose of in accordance with local, State and Federal regulations.

Product at USE DILUTION

Dispose of unused product in accordance with local, State and Federal regulations.

13.2 DISPOSAL CONSIDERATIONS

- EPA RCRA WASTE CODE:** The waste code should be assigned in discussion between the user, the producer, and the waste disposal company.

SECTION 14: TRANSPORT INFORMATION

14.1 **NOTE: This product is packaged in LIMITED QUANTITY volumes.** Follow the requirements for Limited Quantity packagings appropriate to the mode of transport.

- DEPARTMENT OF TRANSPORTATION HAZARDOUS MATERIALS SHIPPING REGULATIONS:**

UN/NA Number	Proper Shipping Name	Packing Group	Hazard Class	Label	North American Emergency Response Guide #	Marine Pollutant Status
This product is packaged in Limited Quantity volumes. Follow requirements in 49 CFR 173.154				Limited Quantity	Not Applicable	Not applicable.

- CANADIAN TRANSPORTATION INFORMATION:** This product is regulated by Transport Canada as dangerous goods under Canadian transportation standards. Refer to above information.
- IATA DESIGNATION:** This product is regulated as dangerous goods by the International Air Transport Association. Refer to the following information for preparation of LIMITED QUANTITY packagings.

UN/NA Number	Proper Shipping Name	Packing Group	Hazard Class	Labels	North American Emergency Response Guide #	Packing Instruction (Max. Qty per PKG)
UN1760	Corrosive liquids, n.o.s. (Quaternary Ammonium Chloride)	III	8	Corrosive Limited Quantity (Air)	154	Y841 (1L).

SECTION 14: TRANSPORT INFORMATION (Continued)

- **IMO DESIGNATION:** This product is regulated as dangerous goods by the International Maritime Organization. Follow guidance in IMO International Maritime Dangerous Goods Code, Section 3.4.

UN/NA Number	Proper Shipping Name	Packing Group	Hazard Class	Label	Max. Qty per PKG	EM-S
This product is packaged in limited quantity volumes. Follow the instructions in the IMO International Maritime Dangerous Goods Code, Section 3.4				Limited Quantity	5L	FA-SB

14.2 ENVIRONMENTAL HAZARDS

- None described, as related to transportation.

14.3 SPECIAL PRECAUTIONS FOR USERS

- Not applicable.

14.4 TRANSPORT IN BULK

- Not applicable.

SECTION 15: REGULATORY INFORMATION

15.1 SAFETY, HEALTH, AND ENVIRONMENTAL REGULATIONS SPECIFIC FOR THE PRODUCT

• OTHER IMPORTANT U.S. REGULATIONS

- **U.S. SARA HAZARD CATEGORIES (SECTION 311/312, 40 CFR 370-21):** Acute Toxicity; Skin Corrosion/Irritation; Serious Eye Damage/Irritation.
- **U.S. CERCLA REPORTABLE QUANTITY (RQ):** Not applicable.
- **U.S. TSCA INVENTORY STATUS:** All components of this product are listed on the TSCA Inventory.
- **U.S. SARA 313:** Not applicable to this product.
- **CALIFORNIA SAFE DRINKING WATER ACT (PROPOSITION 65) STATUS:**



WARNING: This product can expose you to trisodium NTA and Methanol, chemicals known to the state of California to cause cancer, birth defects, and other reproductive harm. For more information, go to www.p65Warnings.ca.gov

• INTERNATIONAL REGULATIONS

- **CANADIAN REGULATORY STATUS: CANADIAN REGULATORY STATUS:** The product is classified as hazardous under Hazardous Products Regulations (SOR-2015-17).
 - WHMIS 2015: See section 2.
 - This SDS contains all the information required by the HPR.
- **CANADIAN DSL/NDSL INVENTORY STATUS:** The listed components of this product are on the DSL/NDSL Inventory.
- **CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITY SUBSTANCES LISTS:** The components of this product are not on the CEPA Priority Substances Lists.

SECTION 16: OTHER INFORMATION

16.1 INDICATION OF CHANGE

- **DATE OF REVISION:** June 24, 2022
- **SUPERCEDES:** April 27, 2015
- **CHANGE INDICATED:** Update of manufacturer information, addition of H/P Codes; regulatory review and update; establishing distinction between professional and consumer use personal protective equipment.

SECTION 16: OTHER INFORMATION (Continued)

16.2 KEY LITERATURE REFERENCES AND SOURCES FOR DATA

- SAFETY DATA SHEETS FOR COMPONENT PRODUCTS.
- Federal OSHA Hazard Communication Standard: 29 CFR 1910.1200.

16.3 HAZARDOUS MATERIALS CLASSIFICATION SYSTEM

Product as SOLD		Product at USE DILUTION	
Health	3	Health	0
Flammability	0	Flammability	0
Physical Hazard	0	Physical Hazard	0
Protective Equipment	B	Protective Equipment	Not applicable

HMIS Personal Protective Equipment Rating: Occupational Use situations: B- Safety glasses and gloves, if splashes/sprays can be generated.

HMIS Personal Protective Equipment Rating: Occupational Use situations: No protective equipment is needed under normal circumstances of use and handling.

16.4 DISCLAIMER

Waxie's Enterprises, LLC, an Envoy Solutions Company (WAXIE), makes no warranty, representation or guarantee as to the accuracy, sufficiency or completeness of the material set forth herein. It is the user's responsibility to determine the safety, toxicity and suitability of their own use, handling, and disposal of this product. Since actual use by others is beyond our control, no warranty, expressed or implied, is made by WAXIE as to the effects of such use, the results to be obtained or the safety and toxicity of this product, nor does WAXIE assume any liability arising out of the use by others of this product referred to herein. The data in this SDS relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. WAXIE does not recommend blending this product with any other chemicals. All information, recommendations and data contained herein concerning this product are based upon information available at the time of writing from recognized technical sources.

16.5 ABBREVIATIONS AND ACRONYMS

ALL SECTIONS: OSHA: U.S. Federal Occupational Safety and Health Administration. WHMIS: Canadian Workplace Hazardous Materials Standard. GHS: Globally Harmonized System of Classification of Chemical Substances.

SECTION 3: CAS Number: Chemical Abstract Service Number, which is used by the American Chemical Society to uniquely identify a chemical.

SECTION 5: NFPA: National Fire Protection Association. NFPA FLAMMABILITY CLASSIFICATION: The NFPA uses the flash point (F.P.) and boiling point (BP) to classify flammable or combustible liquids. Class IA: F.P. below 73°F and BP below 100°F. Class IB: F.P. below 73°F and BP at or above 100°F. Class IC: F.P. at or above 73°F and BP at or above 100°F. Class II: F.P. at or above 100°F and below 140°F. Class IIIA: F.P. at or above 140°F and below 200°F. Class IIIB: F.P. at or above 200°F. NFPA HAZARDOUS MATERIALS RATING: This is a rating system used to summarize physical and health hazards to firefighters. 0 = No Significant Hazard. 1 = Slight Hazard. 2 = Moderate Hazard. 3 = Severe Hazard. 4 = Extreme Hazard.

SECTION 8: NE: Not established. ACGIH: American Conference of Government Industrial Hygienists; TWA: Time-Weighted Average (over an 8-hour work day); STEL: Short-Term Exposure Limit (15-minute average, no more than 4-times daily and each exposure separated by one-hour minimally); C: Ceiling Limit (concentration not to be exceeded in a work environment). PEL: Permissible Exposure Limit. NIOSH: National Institute of Occupational Safety and Health; REL: Recommended Exposure Limit. ppm: Parts per Million. mg/m³: Milligrams per cubic meter. mppcf: Millions of Particles per Cubic Foot. BEI: Biological Exposure Limit. CA: California - TABLE AC-1 Permissible Exposure Limits for Airborne Contaminants

SECTION 9: pH: Scale (0 to 14) used to rate the acidity or alkalinity of aqueous solutions. For example, a pH value of 0 indicates a strongly acidic solution, pH of 7 indicates a neutral solution, and a pH value of 14 indicates an extremely basic solution. FLASH POINT: Temperature at which a liquid generates enough flammable vapors so that ignition may occur. AUTOIGNITION TEMPERATURE: Temperature at which spontaneous ignition occurs. LOWER EXPLOSIVE LIMIT (LEL): The minimal concentration of flammable vapors in air which will sustain ignition. UPPER EXPLOSIVE LIMIT (UEL): The maximum concentration of flammable vapors in air which will sustain ignition. ≈: Approximately symbol. VOC: Volatile Organic Compound.

SECTION 11: CARCINOGENICITY STATUS: NTP: National Toxicology Program. IARC: International Agency for Research on Cancer.

REPRODUCTIVE TOXICITY INFORMATION: Mutagen: Substance capable of causing chromosomal damage to cells. Embryotoxin: Substance capable of damaging the developing embryo in an overexposed female. Teratogen: Substance capable of damaging the developing fetus in an overexposed female. Reproductive toxin: Substance capable of adversely affecting male or female reproductive organs or functions. TOXICOLOGY DATA: LD_{xx} or LC_{xx}: The Lethal Dose or Lethal Concentration of a substance which will be fatal to a given percentage (xx) of exposed test animals by the designate route of administration. This value is used to assess the toxicity of chemical substances to humans. TD_{xx} or TC_{xx}: The Toxic Dose or Toxic Concentration of a substance which will cause an adverse effect to a given percentage (xx) of exposed test animals by the designate route of administration.

SECTION 12: EC50: Effect Concentration (on 50% of study group); BOD: Biological Oxygen Demand. COD: Chemical Oxygen Demand. ThOD: Theoretical Oxygen Demand. TLM: Median Tolerance Limit.

SECTION 13: RCRA: Resource Conservation and Recovery Act. The regulations promulgated under this Act are found in 40 CFR, Sections 260 ff, and define the requirements of hazardous waste generation, transport, treatment, storage, and disposal. EPA RCRA Waste Codes: Defined in 40 CFR Section 261.

SECTION 15: CERCLA: Comprehensive Environmental Response Compensation and Liability Act (a.k.a. "Superfund") and SARA: (Superfund Amendment and Reauthorization Act). The regulations promulgated under this Act are located under 40 CFR 300 ff. and provide "community right-to-know" requirements. TSCA: Toxic Substances Control Act: Rules regulating the manufacture and sale of chemicals found in 40 CFR 700-766. DSL/NDL: Canadian Domestic Substances and Non-Domestic Substances Lists.

SECTION 16: HAZARDOUS MATERIALS IDENTIFICATION SYSTEM RATING: This is a rating system used by industry to summarize physical and health hazards to chemical users and was originally developed by the National Paint and Coating Association. 0 = No Significant Hazard. 1 = Slight Hazard. 2 = Moderate Hazard. 3 = Severe Hazard. 4 = Extreme Hazard.

HOJA DE DATOS DE SEGURIDAD



Esta Hoja de datos de seguridad (SDS) cumple con los requisitos de la Norma federal de comunicación de riesgos de la Administración de Seguridad y Salud Ocupacional de los EE. UU. (CFR 29, 1910.1200, conforme a la actualización de 2012) y las normas estatales equivalentes. También ha sido desarrollada de acuerdo con el Sistema Mundialmente Armonizado de Clasificación de Productos Químicos de las Naciones Unidas (GHS) y el Sistema de Información de Materiales Peligrosos en el Lugar de Trabajo, de Canadá (WHMIS). Consulte la sección 16 de este documento para conocer la definición de los términos y abreviaturas.

SECCIÓN 1: IDENTIFICACIÓN

1.1 IDENTIFICADOR DEL PRODUCTO

- NÚMERO(S) DE ARTÍCULO: 170394, 170700, 170704
- NOMBRE DEL PRODUCTO: **764 Limpiador desinfectante Quat de limón**
GL: 170394
3L: 170700
GL: 170704

1.2 USOS RELEVANTES E IDENTIFICADOS DE LA MEZCLA

- USO RECOMENDADO: Desinfección de superficies, equipos.
- USUARIOS IDENTIFICADOS: Para la venta, uso y almacenamiento solo por parte del personal de servicio.

1.3 DETALLES DEL PROVEEDOR DE LA HOJA DE DATOS DE SEGURIDAD

- FABRICANTE/PROVEEDOR: **Waxie's Enterprises, LLC., una empresa de Envoy Solutions**
- DIRECCIÓN: 9353 Waxie Way, San Diego, CA 92123-1036
- TELÉFONO DE OFICINA: 1-800-995-4466
- TELÉFONO DE EMERGENCIAS: 1-800-255-3924 (CHEMTEL; las 24 horas)

1.4 OTRA INFORMACIÓN PERTINENTE

- Este producto se debe usar solamente después de ser diluido. Los datos relevantes sobre el riesgo y la seguridad se especifican para el **Producto COMERCIALIZADO** y el **Producto DILUIDO al USARLO**, según corresponda.
- Registro de EPA N.º 1839-169-14994.

SECCIÓN 2: IDENTIFICACIÓN DE RIESGOS

2.1 CLASIFICACIÓN DE LA SUSTANCIA O MEZCLA:

El producto es un desinfectante que ha sido etiquetado de acuerdo con las reglamentaciones de la FIFRA (Ley Federal de Insecticidas, Fungicidas y Rodenticidas). La siguiente información de GHS ha sido desarrollada en base a las regulaciones de OSHA bajo Comunicación de Riesgos (29 CFR 1910.1200), los riesgos asociados con los componentes y sus concentraciones, y las rutas anticipadas de exposición para este producto tal como se venden y usan.

Estado según la OSHA/HCS

Producto COMERCIALIZADO

Producto DILUIDO al USARLO

Clasificación de la sustancia o mezcla

Corrosión o irritación cutáneas (categoría 1); Irritación / daño ocular grave (categoría 1)

No clasificado como material peligroso según las definiciones de clasificación de peligros de OSHA (29 CFR 1910, 200, Apéndices A y B). Los siguientes elementos de la etiqueta se han preparado sobre la base de prácticas prudentes de uso, respuesta a accidentes y almacenamiento.

2.2 ELEMENTOS DE LA ETIQUETA:

ELEMENTO

Producto COMERCIALIZADO

Producto DILUIDO al USARLO

Pictogramas de riesgo



No corresponde.

Palabra de advertencia

PELIGRO

No corresponde.

Declaraciones del riesgo

H314: Provoca graves quemaduras en la piel y lesiones oculares. H318: Provoca lesiones oculares graves.

No corresponde.

SECCIÓN 2: IDENTIFICACIÓN DE RIESGOS (continuación)

2.2 ELEMENTOS DE LA ETIQUETA (continuación)

ELEMENTO	Producto COMERCIALIZADO	Producto DILUIDO al USARLO
Declaraciones de precaución		
Prevención	P102: Mantener fuera del alcance de los niños. P103: Leer la etiqueta antes del uso. P264: Lavarse la cara, las manos y la piel expuesta cuidadosamente después de la manipulación. P280: Usar guantes / ropa de protección / equipo de protección para la cara / los ojos.	P103: Leer la etiqueta antes del uso. P264: Enjuague la piel expuesta después de su uso.
Respuesta	P301+330+331: EN CASO DE INGESTION: enjuagar la boca. No provocar el vómito. EN P303+361+353: CASO DE CONTACTO CON LA PIEL O EL PELO: Quitar inmediatamente toda la ropa contaminada. Enjuagar la piel con agua o ducharse. P304:340: EN CASO DE INHALACIÓN: transportar la persona al aire libre y mantenerla en una posición que le facilite la respiración. P305+351+338: EN CASO DE CONTACTO CON LOS OJOS: Enjuagar con agua cuidadosamente durante varios minutos. Quitar los lentes de contacto cuando estén presentes y pueda hacerse con facilidad. Proseguir con el lavado. P310: Llamar inmediatamente a un centro de toxicología o médico. 363: Lavar la ropa contaminada antes de volverla a usar.	P313: En caso de exposición accidental, consulte a un médico si persiste la irritación.
Almacenamiento	P406+235+410+403: Almacene en un recipiente de plástico original o en un recipiente resistente a la corrosión con un revestimiento interior resistente a la corrosión, encerrado en un lugar fresco, seco y bien ventilado a temperatura ambiente, lejos de la luz solar directa. Mantenga el envase bien cerrado.	(No se especifica el código P): Almacene en un lugar fresco y seco a temperatura ambiente, lejos de la luz solar directa.
Eliminación	P501: Deseche el contenido y el recipiente de acuerdo con las regulaciones locales, de la ciudad, estatales y federales.	(No se especifica el código P): Triple enjuague contenedor y oferta para reciclaje. Deseche el contenido y el recipiente de acuerdo con las regulaciones locales, de la ciudad, estatales y federales.

2.3 OTROS DATOS IMPORTANTES SOBRE LOS RIESGOS QUÍMICOS Y FÍSICOS:

- No corresponde.

SECCIÓN 3: COMPOSICIÓN/INFORMACIÓN SOBRE INGREDIENTES

3.1 SUSTANCIAS/MEZCLAS

QUÍMICO	NÚMERO DE CAS	CLASIFICACIÓN DE RIESGO DE GHS POR SUSTANCIAS QUÍMICAS	% (w/w)
Cloruro de benzalconio	68424-85-1	Toxicidad aguda, oral (categoría 4); Corrosión en la piel (categoría 1B); Daño grave en los ojos (categoría 1)	1-5 ¹
Quanternium-24	32426-11-2	Toxicidad aguda, oral (categoría 4); Corrosión en la piel (categoría 1B); Daño grave en los ojos (categoría 1)	< 1
1-Octaminio, N,N-Dimetil-N-octil-, cloro	5538-94-3	Toxicidad aguda, oral (categoría 4); Corrosión en la piel (categoría 1B)	< 1
1-Decanaminio, N-Decil-N,N-dimetil-, cloro	7173-51-5	Toxicidad aguda, oral (categoría 3); Corrosión en la piel (categoría 1B); Daño grave en los ojos (categoría 1); Toxicidad acuática aguda (categoría 1); Toxicidad acuática crónica (categoría 2)	< 1
Concentración menor al 1% de agua y otros componentes dentro de esta solución. Los componentes restantes de este producto no están clasificados como peligrosos en sus respectivas concentraciones			Balance

¹ El porcentaje exacto de la composición no se revela por ser un secreto comercial. Se han declarado todos los riesgos físicos y a la salud pertinentes, de conformidad con los requisitos reglamentarios.

SECCIÓN 4: MEDIDAS DE PRIMEROS AUXILIOS

4.1 DESCRIPCIÓN DE LAS MEDIDAS DE PRIMEROS AUXILIOS

ÁREA EXPUESTA	Producto COMERCIALIZADO	Producto DILUIDO al USARLO
Contacto con los ojos	Enjuague con abundante agua durante 15 minutos. Mire hacia arriba mientras se enjuaga los ojos. Busque atención médica de inmediato.	Enjuague con abundante agua durante 15 minutos. Mire hacia arriba mientras se enjuaga los ojos. Si la irritación persiste, busque atención médica.
Contacto con la piel	Enjuague el área con agua tibia y corriente durante varios minutos. Busque atención médica de inmediato.	Enjuague el área con agua tibia y corriente durante varios minutos. Si la irritación persiste, busque atención médica.
Inhalación	Salga al aire fresco.	Salga al aire fresco.
Ingestión	Si está consciente: Enjuáguese la boca con agua. No induzca el vómito. Póngase en contacto con un Centro para el Control de Envenenamientos o con un médico y siga las indicaciones.	Si está consciente: Enjuáguese la boca con agua. No induzca el vómito. Póngase en contacto con un Centro para el Control de Envenenamientos o con un médico y siga las indicaciones.
Recomendaciones adicionales	Lave la vestimenta después de reutilizarla.	

4.2 SÍNTOMAS AGUDOS Y CRÓNICOS MÁS IMPORTANTES COMO RESULTADO DE UNA EXPOSICIÓN

- EFFECTOS AGUDOS EN LA SALUD:

ÁREA EXPUESTA	Producto COMERCIALIZADO	Producto DILUIDO al USARLO
Contacto con los ojos	Es corrosivo del tejido ocular; el contacto causará dolor, enrojecimiento y daño a los tejidos. Puede ocasionar quemaduras químicas y ceguera.	No se prevé que el producto diluido cause efectos adversos en circunstancias típicas si los primeros auxilios se brindan con prontitud. Puede causar irritación ocular leve, especialmente después de una exposición prolongada.
Contacto con la piel	Es corrosivo del tejido cutáneo; el contacto causará dolor, enrojecimiento y daño a los tejidos. Puede ocasionar quemaduras químicas.	No se prevén efectos adversos.
Inhalación	La inhalación del spray, vapores y rocío puede ocasionar tos, congestión nasal e irritación de garganta.	No se prevén efectos adversos.
Ingestión	Es corrosivo y puede causar daños graves y permanentes en la boca, garganta y estómago. Puede ocasionar la muerte si se ingiere.	No se prevén efectos adversos.

- EFFECTOS CRÓNICOS EN LA SALUD:

Producto COMERCIALIZADO

No se ha informado ninguno.

Producto DILUIDO al USARLO

No se ha informado ninguno.

- ÓRGANOS QUE AFECTA:

Producto COMERCIALIZADO

Piel, ojos.

Producto DILUIDO al USARLO

No se ha informado ninguno.

4.3 INDICACIÓN DE ATENCIÓN MÉDICA INMEDIATA Y TRATAMIENTO ESPECIAL NECESARIO

La siguiente información es para el **Producto COMERCIALIZADO** y el **Producto DILUIDO al USARLO**.

- INFORMACIÓN GENERAL: Para toda clase de exposiciones:** En caso de accidente, o si no se siente bien, busque atención médica de inmediato. Lleve este documento y una copia de la etiqueta a su consulta con el médico.
- RECOMENDACIONES PARA EL MÉDICO:** Dé tratamiento de acuerdo con los síntomas.
- AFECCIONES MÉDICAS QUE PUEDEN AGRAVARSE CON UNA SOBREEXPOSICIÓN:** No se ha informado ninguna.

SECCIÓN 5: MEDIDAS CONTRA INCENDIOS

A menos que se indique lo contrario, la información de esta sección corresponde al **Producto COMERCIALIZADO** y el **Producto DILUIDO**.

5.1 MEDIO PARA APAGAR UN INCENDIO

- **MEDIO RECOMENDADO PARA APAGAR UN INCENDIO:** Spray de agua, chorro de agua, polvo seco, espuma, dióxido de carbono, o cualquier otro medio.
- **MEDIOS NO ADECUADOS PARA APAGAR UN INCENDIO:** Ninguno conocido.

5.2 RIESGOS ESPECIALES QUE PUEDEN SURGIR DEBIDO A LA SUSTANCIA O MEZCLA

- **CLASIFICACIÓN DE NFPA SOBRE INFLAMABILIDAD:**

Clasificación

Calificación de NFPA

Producto COMERCIALIZADO



Clasificación de NFPA

No inflamable.

Producto DILUIDO al USARLO



No inflamable.

- **RIESGOS INUSUALES EN CASO DE INCENDIO:**

Descomposición

Susceptibilidad a explosiones en caso de impacto mecánico

Susceptibilidad a explosiones en caso de descarga estática

Producto COMERCIALIZADO

Genera dióxido de carbono, monóxido de carbono, cloruro de hidrógeno, amoníaco y óxidos de nitrógeno.

No corresponde.

No corresponde.

Producto DILUIDO al USARLO

Genera dióxido de carbono, monóxido de carbono, cloruro de hidrógeno, amoníaco y óxidos de nitrógeno.

No corresponde.

No corresponde.

5.3 SUGERENCIAS PARA LOS BOMBEROS

En cualquier situación, debe usar un equipo de protección completo y aparatos de respiración autónomos para apagar incendios. Mueva los contenedores del área del incendio si es posible hacerlo sin poner en riesgo al personal. En caso contrario, utilice spray de agua para mantener frescos los contenedores expuestos al fuego. Debido a que este producto es un agente de limpieza, el equipo que entre en contacto con esta solución se puede enjuagar bien con agua y luego puede volverse a usar.

SECCIÓN 6: MEDIDAS EN CASO DE DERRAME ACCIDENTAL

A menos que se indique lo contrario, la información de esta sección corresponde al **Producto COMERCIALIZADO** y el **Producto DILUIDO**.

6.1 PRECAUCIONES PERSONALES, EQUIPO DE PROTECCIÓN Y PROCEDIMIENTOS DE EMERGENCIA

- **RESPUESTA ANTE DERRAMES ACCIDENTALES:** El personal que ha recibido capacitación básica para la manipulación de sustancias químicas puede manejar los derrames a pequeña escala. Es necesario utilizar guantes y lentes de seguridad al limpiar los derrames. Mientras limpia, tenga cuidado; los pisos y objetos contaminados pueden estar resbalosos.
- **RESPUESTA ANTE DERRAMES NO ACCIDENTALES:** En general, los derrames de este material no irán más allá de la pérdida de un envío de material (es decir, 12 galones o menos). Por lo tanto, el personal puede seguir las instrucciones en caso de derrames accidentales. Según corresponda, responda a los derrames no accidentales de sustancias químicas cuando haya un derrame de este producto (como la destrucción simultánea de varias paletas del producto) limpiando el área afectada y poniéndose en contacto con el personal de emergencias adecuado. En caso de que se hayan derramado más de 5 galones de este material, deben utilizarse lentes de seguridad con protección para el rostro y una mascarilla purificadora de aire con un filtro de partículas de alta eficiencia.
- **PROCEDIMIENTOS DE RESPUESTA ANTE CUALQUIER DERRAME:** Absorba el líquido derramado con polypads u otros materiales absorbentes adecuados. Enjuague bien el área. Debido a que este producto es un agente de limpieza, todos los objetos que entren en contacto con la solución pueden volver a usarse después de enjuagarlos.

6.2 PRECAUCIONES AMBIENTALES

- Evite las acciones de respuesta que puedan ocasionar el derrame de una cantidad significativa del producto (más de 4 galones) en el medioambiente. Evite la dispersión accidental del material derramado en la tierra, vías acuáticas y alcantarillados.

6.3 MÉTODOS Y MATERIALES PARA LA CONTENCIÓN Y LABORES DE LIMPIEZA

- **EQUIPO DE RESPUESTA EN CASO DE DERRAME:** Polypad u otro material absorbente.

6.4 REFERENCIAS A OTRAS SECCIONES

- **SECCIÓN 8:** Para los niveles de exposición y recomendaciones detalladas del equipo de protección personal.
- **SECCIÓN 13:** Para conocer las pautas en el manejo de desperdicios.

SECCIÓN 7: MANIPULACIÓN Y ALMACENAMIENTO

7.1 PRECAUCIONES PARA EL MANEJO SEGURO

ITEM	<u>Producto COMERCIALIZADO</u>	<u>Producto DILUIDO al USARLO</u>
Prácticas de higiene	Manténgase fuera del alcance de los niños. Siga las buenas prácticas de higiene química. No fume, beba, coma ni se aplique cosméticos en el área de uso de sustancias químicas. Evite la inhalación de rocíos y sprays. Utilice en áreas bien ventiladas. Evite el contacto con la piel o los ojos. Retire la vestimenta contaminada inmediatamente.	Manténgase fuera del alcance de los niños. Siga las buenas prácticas de higiene química. No fume, beba, coma ni se aplique cosméticos en el área de uso de sustancias químicas. Evite la inhalación de rocíos y sprays. Utilice en áreas bien ventiladas. Evite el contacto con la piel o los ojos. Retire la vestimenta contaminada inmediatamente.
Prácticas de manejo	Limpie el producto derramado de inmediato. Los empleados deben estar debidamente capacitados para utilizar este producto de la manera más segura según sea necesario. Mantenga los recipientes cerrados cuando no los use. Evite las condiciones que crean descarga eléctrica estática.	Limpie el producto derramado de inmediato. Los empleados deben estar debidamente capacitados para utilizar este producto de la manera más segura según sea necesario. Mantenga los recipientes cerrados cuando no los use.

7.2 CONDICIONES PARA EL ALMACENAMIENTO SEGURO, INCLUYENDO CUALQUIER INCOMPATIBILIDAD

	<u>Producto COMERCIALIZADO</u>	<u>Producto DILUIDO al USARLO</u>
Prácticas de almacenamiento	Asegúrese de que todos los envases estén etiquetados de manera correcta. Conserve los envases fuera de la luz solar directa, de las fuentes intensas de calor o cuando sea posible que se congelen. Almacene este producto alejado de sustancias químicas incompatibles. Revise todos los contenedores entrantes antes de guardar, para asegurarse de que estén debidamente etiquetados y no se encuentren dañados. Los envases vacíos pueden contener residuos de líquido, por lo tanto, deben manejarse con cuidado.	Asegúrese de que todos los envases estén etiquetados de manera correcta. Conserve los envases fuera de la luz solar directa, de las fuentes intensas de calor o cuando sea posible que se congelen. Almacene este producto alejado de sustancias químicas incompatibles.
Incompatibilidades	Consulte la sección 10 (estabilidad y reactividad).	Consulte la sección 10 (estabilidad y reactividad).

SECCIÓN 8: CONTROLES DE EXPOSICIÓN/PROTECCIÓN PERSONAL

8.1 PARÁMETROS DE CONTROL

- **LÍMITES DE EXPOSICIÓN EN EL AIRE: LÍMITES DE EXPOSICIÓN EN EL AIRE:**

COMPONENTE	ACGIH TLV	OSHA PEL	NIOSH REL	OTRO
Etanol 64-17-5	1000 ppm (STEL)	1000 ppm (TWA)	1000 ppm (TWA) 3300 ppm (IDLH)	CA PEL: 1000 ppm (TWA)

- **LÍMITES DE EXPOSICIÓN BIOLÓGICA EN EL TRABAJO:** No establecido.

8.2 CONTROLES DE EXPOSICIÓN

- **PRODUCTO COMERCIALIZADO:**

Controles de ingeniería	Utilice en ambientes bien ventilados.
Protección respiratoria	No es necesario en circunstancias de uso normal.
Protección de las manos	Se recomiendan guantes de neopreno, PVC o butilo si existe la posibilidad de contacto con la piel. Asegúrese de que los guantes estén intactos antes de usarlos.
Protección de los ojos	Gafas de seguridad, si pueden ocurrir salpicaduras/sprays al usar.
Protección corporal	No es necesario en circunstancias de uso normal.

- **PRODUCTO DILUIDO AL USARLO:**

Precauciones personales	Utilice en ambientes bien ventilados. Por lo general, no se requiere protección personal para la mayoría de las circunstancias de uso. Si existe la posibilidad de períodos prolongados de uso de este producto, o volúmenes mayores de lo normal, consulte la información de Recomendaciones de uso anterior.
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SECCIÓN 8: CONTROLES DE EXPOSICIÓN/PROTECCIÓN PERSONAL (continuación)

8.3 SÍMBOLOS DE PROTECCIÓN PERSONAL

Protección de las manos
(Si se provee contacto con la piel)

Protección de los ojos
(Si pueden ocurrir salpicaduras o sprays)

Producto COMERCIALIZADO



Producto DILUIDO al USARLO

No se necesitan guantes.

No se necesita protección para los ojos.

SECCIÓN 9: PROPIEDADES FÍSICAS Y QUÍMICAS

9.1 INFORMACIÓN SOBRE LAS PROPIEDADES FÍSICAS Y QUÍMICAS BÁSICAS

	Producto COMERCIALIZADO	Producto DILUIDO al USARLO
Aspecto	Líquido amarillo.	Líquido amarillo claro pálido.
Olor	Limón.	Limón.
Umbral olfativo	No determinado.	No determinado.
pH:	6.0-8.0	Aproximadamente 7
Punto de fusión y punto de congelamiento	< 0 °C (32 °F).	Aprox. 0 °C (32 °F).
Punto de ebullición inicial y rango de ebullición	>100 °C (210 °F).	Aproximadamente 100 °C (212 °F).
Punto de inflamación	> 93,3 °C (200 °F).	No corresponde.
Tasa de evaporación (Agua = 1)	Aprox. 1.0.	Aprox. 1.0.
Inflamabilidad	No corresponde.	No corresponde.
Límites superiores e inferiores de explosividad	No corresponde.	No corresponde.
Presión de vapor	No determinado.	No determinado.
Densidad del vapor	No determinado.	No determinado.
Densidad relativa (Densidad)	1.011 (8.34 lb/gal)	Aprox. 1.0.
Solubilidad	Totalmente soluble en agua.	Totalmente soluble en agua.
Coefficiente de partición n-octanol/agua	No determinado.	No determinado.
Temperatura de autoinflamación	No corresponde.	No corresponde.
Temperatura de descomposición	No determinado.	No determinado.
Viscosidad	No determinado.	No determinado.

9.2 INFORMACIÓN ADICIONAL

- VOC (menos agua y exento de solventes): No corresponde.
- PESO % VOC: No corresponde.

SECCIÓN 10: ESTABILIDAD Y REACTIVIDAD

A menos que se indique lo contrario, la información de esta sección corresponde al **Producto COMERCIALIZADO** y el **Producto DILUIDO**.

10.1 REACTIVIDAD

- No es reactivo en condiciones normales de uso o manipulación.

10.2 ESTABILIDAD QUÍMICA

- Es normalmente estable en condiciones estándar de temperatura y presiones.

10.3 POSIBILIDAD DE REACCIONES PELIGROSAS

- Este producto no es autoreactivo, ni reactivo al agua o al aire.
- Este producto no experimentará una polimerización peligrosa.

SECCIÓN 10: ESTABILIDAD Y REACTIVIDAD (Continuación)

10.4 CONDICIONES QUE SE DEBEN EVITAR

- Evite el contacto con sustancias químicas incompatibles.

10.5 MATERIALES INCOMPATIBLES

- Agentes oxidantes fuertes y aniónicos.

10.6 PRODUCTOS DE DESCOMPOSICIÓN PELIGROSA

- Los productos de descomposición térmica de este material incluyen óxidos de carbono (es decir, monóxido de carbono y dióxido de carbono), cloruro de hidrógeno, amoníaco y óxidos de nitrógeno.

SECCIÓN 11: INFORMACIÓN TOXICOLÓGICA

A menos que se indique lo contrario, la información de esta sección corresponde al **Producto COMERCIALIZADO** y el **Producto DILUIDO**.

11.1 INFORMACIÓN SOBRE LOS EFECTOS TOXICOLÓGICOS

• TOXICIDAD AGUDA:

○ **DATOS DE TOXICIDAD DEL PRODUCTO:**

- Estimación de toxicidad aguda (oral): > 5000 mg/kg
- Estimación de toxicidad aguda (dérmica): > 2,000 mg /kg

○ **DATOS DE TOXICIDAD:** Los siguientes datos están disponibles para los componentes de este producto:

CLORURO DE BENZALCONIO

LD50 (Oral, rata) = 426 mg/kg

1-DECANAMINIO, N-DECIL-N,N-DIMETIL-, CLORO

LD50 (Oral, rata) = 84 mg/kg

LD50 (Dérmica/rata) > 2000 mg/kg

○ **GRADO DE IRRITACIÓN:** Provoca graves quemaduras en la piel y lesiones oculares. Consulte la sección 4 (medidas de primeros auxilios) para obtener más información.

○ **SENSIBILIZACIÓN:** No se ha informado que los componentes de este producto tengan efectos de sensibilización cutánea o respiratoria.

○ **REVISIÓN DE SÍNTOMAS AGUDOS Y EFECTOS POR LA VÍA DE EXPOSICIÓN:** Consulte la sección 2.

ÁREA EXPUESTA

Contacto con los ojos

Producto COMERCIALIZADO

Es corrosivo del tejido ocular.

Contacto con la piel

Es corrosivo del tejido cutáneo; el contacto causará dolor, enrojecimiento y daño a los tejidos.

Inhalación

La inhalación del spray, vapores y rocío puede ocasionar tos, congestión nasal e irritación de garganta.

Ingestión

Es corrosivo y puede causar daños graves y permanentes en la boca, garganta y estómago. Puede ocasionar la muerte si se ingiere.

Producto DILUIDO AL USARLO

Puede causar irritación de los ojos, especialmente después de una exposición prolongada.

No se prevén efectos adversos.

No se prevén efectos adversos

No se prevén efectos adversos

• TOXICIDAD CRÓNICA:

○ **CONDICIÓN CARCINÓGENA:** No corresponde.

○ **INFORMACIÓN DE TOXICIDAD REPRODUCTIVA:** No se ha informado que los componentes de este producto ocasionen efectos reproductivos en condiciones normales de exposición.

○ **EFECTOS MUTAGÉNICOS:** No se ha informado que los componentes de este producto ocasionen efectos reproductivos en condiciones normales de exposición.

○ **TOXICIDAD ESPECÍFICA EN ÓRGANOS AFECTADOS POR EXPOSICIÓN ÚNICA:** No corresponde.

○ **TOXICIDAD ESPECÍFICA EN ÓRGANOS AFECTADOS POR EXPOSICIÓN REPETIDA:** No corresponde.

○ **RIESGO DE ASPIRACIÓN:** No corresponde.

• INFORMACIÓN ADICIONAL:

○ **PRODUCTOS TOXICOLÓGICOS SINÉRGICOS:** Ninguno conocido.

○ **TOXICOLOGÍA ADICIONAL:** No corresponde.

SECCIÓN 12: INFORMACIÓN ECOLÓGICA

A menos que se indique lo contrario, la información de esta sección corresponde al **Producto COMERCIALIZADO** y el **Producto DILUIDO**.

12.1 TOXICIDAD

- En base a los datos disponibles, este producto puede ser dañino o mortal para las plantas o animales terrestres o acuáticos que se hayan contaminado, dependiendo de la duración del contacto y la cantidad derramada.
- Los siguientes datos sobre toxicidad acuática están disponibles para los componentes de este producto.

CLORURO DE BENZALCONIO

LC50 (Morone saxatilis): fry, 14100. µg/L/96 horas

1-DECANAMINIO, N-DECIL-N,N-DIMETIL-, CLORO

LC50 (Brachydanio rerio): 0.49 mg/L - 96 horas

EC50 (Daphnia magna): 0.094 mg/L - 48 horas

12.2 PERSISTENCIA Y DEGRADABILIDAD

- Si se vierten al terreno, se espera que los componentes de este producto se biodegraden, se disipen en la tierra a través de la oxidación, o bien se degraden químicamente o se descompongan a través de la radiación solar.

12.3 POTENCIAL BIOACUMULATIVO

- No está previsto que este producto se bioacumule de manera significativa.

12.4 MOVILIDAD EN EL TERRENO

- Se espera que este producto presente cierta movilidad en el terreno.

12.5 OTROS EFECTOS ADVERSOS

- No se ha informado ninguno.

SECCIÓN 13: NOTAS SOBRE LA ELIMINACIÓN

13.1 MÉTODOS PARA EL TRATAMIENTO DE RESIDUOS

Producto COMERCIALIZADO

Elimine el producto de acuerdo con todas las reglamentaciones federales, estatales y locales.

Producto DILUIDO al USARLO

Elimine el producto sin usar de acuerdo con todas las reglamentaciones federales, estatales y locales.

13.2 NOTAS SOBRE LA ELIMINACIÓN

- CÓDIGO RCRA DE EPA PARA RESIDUOS:** El código de residuos debe asignarse en discusión entre el usuario, el productor y la empresa de eliminación de residuos.

SECCIÓN 14: INFORMACIÓN DE TRANSPORTE

14.1 DESCRIPCIÓN BÁSICA SOBRE MERCANCÍAS PELIGROSAS Y OTRA INFORMACIÓN DE TRANSPORTE

NOTA: Este producto está empaquetado en volúmenes de CANTIDAD LIMITADA para algunos modos de transporte. Siga los requisitos para embalajes de Cantidad Limitada apropiados para el modo de transporte.

- NORMAS DEL DEPARTAMENTO DE TRANSPORTE PARA EL ENVÍO DE MATERIALES PELIGROSOS:**

Número de UN/NA	Nombre correcto de envío	Grupo de empaque	Clase de riesgo	Etiqueta	Número de la Guía de Respuestas en caso de Emergencias de Norteamérica	Estado del contaminante marino
Este producto está empaquetado en cantidades limitadas. Siga los requisitos en 49 CFR 173.154.				Cantidad limitada	No Aplica	No Aplica

- INFORMACIÓN PARA EL TRANSPORTE DE CANADÁ:** Este producto está regulado por Transport Canada como mercancía peligrosa según las normas de transporte canadienses en embalaje de cantidad limitada. Consulte la información anterior.
- DESIGNACIÓN DE IATA:** Este producto está considerado como material peligroso por parte de la International Air Transport Association.

Número de UN/NA	Nombre correcto de envío	Grupo de empaque	Clase de riesgo	Etiqueta	CANTIDAD LIMITADA: Instrucciones de embalaje (cantidad máx. por paquete)	OTROS ENVIOS Instrucciones de embalaje (cantidad máx. por paquete)
UN1760	Líquidos corrosivos, n.e.p. (cloruro de amonio cuaternario)	III	8	Cantidad limitada (Aire)	Y841 (1L)	852 (5L)

SECCIÓN 14: INFORMACIÓN DE TRANSPORTE (continuación)

- **DESIGNACIÓN DE IMO:** Este producto está regulado como mercancía peligrosa por la International Maritime Organization en empaques de Cantidad Limitada. Consulte la siguiente información.

Número de UN/NA	Nombre correcto de envío	Grupo de empaque	Clase de riesgo	Label	Cantidad máx. por Paquete	EM-S
Este producto está empaquetado en volúmenes de cantidad limitada. Siga las instrucciones del Código marítimo internacional de mercancías peligrosas de la OMI, Sección 3.4.				Cantidad limitada	5L	FA-SB

14.2 **RIESGOS AMBIENTALES**

- No se describe ninguno en relación con el transporte.

14.3 **PRECAUCIONES ESPECIALES PARA LOS USUARIOS**

- No corresponde.

14.4 **TRANSPORTE A GRANEL**

- No corresponde.

SECCIÓN 15: INFORMACIÓN DE REGLAMENTACIÓN

15.1 **REGLAMENTACIONES ESPECÍFICAS PARA EL PRODUCTO SOBRE EL MEDIOAMBIENTE, SEGURIDAD Y SALUD**

• **OTRAS REGLAMENTACIONES IMPORTANTES DE LOS EE. UU.**

- **CATEGORÍAS DE RIESGO SARA DE LOS EE. UU. (SECCIÓN 311/312, CFR 40, 370-21):** Toxicidad aguda; Corrosión / Irritación de la Piel; Lesiones o irritación ocular graves.
- **CANTIDAD PARA INFORMAR DE LA CERCLA (RQ):** No corresponde.
- **ESTADO DE INVENTARIO DE LA TSCA:** Todos los ingredientes de este producto están enumerados en el Inventario de la TSCA.
- **SARA DE LOS EE. UU, SECCIÓN 313:** Los componentes de este producto no están sujetos a los requisitos de información.
- requisitos de información.
- **ESTADO DE LA LEY DE CALIFORNIA PARA EL AGUA POTABLE (PROPUESTA 65):**



ADVERTENCIA: Este producto puede exponerlo al Trisódico NTA y al metanol, sustancias químicas conocidas en el estado de California como causantes de cáncer, defectos de nacimiento y otros daños reproductivos. Para obtener más información, visite www.p65Warnings.ca.gov

• **NORMAS INTERNACIONALES**

- **ESTADO REGULATORIO CANADIENSE: ESTADO REGULATORIO CANADIENSE:** El producto está clasificado como peligroso de acuerdo con las normas de Productos peligrosos (SOR-2015-17).
 - WHMIS 2015: Consulte la sección 2.
 - Esta SDS contiene toda la información exigida por el HPR.
- **ESTADO DE INVENTARIO DSL/NDSL DE CANADÁ:** Todos los ingredientes de este producto están enumerados en el Inventario de DSL/NDSL.
- **LISTAS DE SUSTANCIAS PRIORITARIAS DE LA LEY PARA LA PROTECCIÓN AMBIENTAL DE CANADÁ (CEPA):** Los ingredientes de este producto no se encuentran en la lista de sustancias prioritarias de la CEPA.

SECCIÓN 16: INFORMACIÓN ADICIONAL

16.1 **INDICACIÓN DE CAMBIOS**

- **FECHA DE REVISIÓN:** 24 de junio de 2022
- **ANULA:** 27 de abril de 2015
- **CAMBIO INDICADO:** Actualización de la información del fabricante, adición de códigos H/P; revisión y actualización regulatoria; establecer una distinción entre equipos de protección personal de uso profesional y de consumo.

16.2 **REFERENCIAS CLAVE A DOCUMENTOS Y FUENTES DE DATOS**

- HOJAS DE DATOS DE SEGURIDAD PARA LOS INGREDIENTES DE LOS PRODUCTOS.
- Norma federal de Comunicación de riesgos de la OSHA: CFR 29, 1910.1200.

SECCIÓN 16: INFORMACIÓN ADICIONAL (continuación)

16.3 SISTEMA DE CLASIFICACIÓN DE MATERIALES PELIGROSOS

Producto COMERCIALIZADO

Salud	3	Calificación del Equipo de Protección Personal de HMIS: Situaciones de uso laboral: B – Lentes de seguridad y guantes. Deben usarse gafas de seguridad y guantes cuando se puedan generar salpicaduras / aerosoles.
Inflamabilidad	0	
Riesgos físicos	0	
Equipo de protección	B	

Producto DILUIDO AL USARLO

Salud	0	Calificación del Equipo de Protección Personal de HMIS: Situaciones de uso laboral: No se necesita equipo de protección en circunstancias normales de uso y manipulación.
Inflamabilidad	0	
Riesgos físicos	0	
Equipo de protección	No corresponde	

16.4 AVISO

Waxie's Enterprises, LLC., una empresa de Envoy Solutions (WAXIE) no garantiza, expresa ni asegura la precisión, suficiencia o integridad del material establecido en el presente documento. Es responsabilidad del usuario determinar la seguridad, toxicidad e idoneidad de su propio uso, manejo y eliminación de este producto. Debido a que el uso real por parte de otros está fuera de nuestro control, WAXIE no expresa ni implica ninguna garantía sobre los efectos de dicho uso, los resultados al haberlos obtenido o la seguridad y toxicidad de este producto, y WAXIE tampoco asume ninguna responsabilidad surgida del uso de este producto por parte de otros, al que se hace referencia en el presente documento. Los datos de esta SDS se relacionan únicamente con el material específico designado en el presente y no están relacionados con su uso en combinación con otros materiales o en otro proceso. WAXIE no recomienda mezclar este producto con otras sustancias químicas. Toda la información, recomendaciones y datos contenidos en el presente relativos a este producto se basan en la información disponible en el momento de la redacción, provenientes de fuentes técnicas reconocidas.

16.5 ABREVIATURAS Y ACRÓNIMOS

TODAS LAS SECCIONES: OSHA: Administración Federal de Seguridad y Salud Ocupacional de los EE. UU. WHMIS: Norma para el Manejo de Materiales Peligrosos en el Lugar de Trabajo de Canadá. GHS: Sistema de Clasificación Mundialmente Armonizado de Substancias Químicas.

SECCIÓN 3: Número de CAS: Número de Registro de resúmenes químicos, el cual es utilizado por la Sociedad Americana de Sustancias Químicas para identificar particularmente a una sustancia química.

SECCIÓN 5: NFPA: Asociación Nacional para la Protección contra Incendios. **CLASIFICACIÓN DE NFPA SOBRE INFLAMABILIDAD:** La NFPA utiliza el punto de inflamación (F.I.P.) y el punto de ebullición (BP) para clasificar los líquidos inflamables o combustibles. Clase IA: F.I.P. inferior a 73 °F y BP inferior a 100 °F. Clase IB: F.I.P. inferior a 73 °F y BP superior a los 100 °F. Clase IC: F.I.P. superior a 73 °F y BP superior a 100 °F. Clase II: F.I.P. superior a 100 °F e inferior a 140 °F. Clase IIIA: F.I.P. superior a 140 °F e inferior a 200 °F. Clase IIIB: F.I.P. superior a 200 °F. **CLASIFICACIÓN DE MATERIALES PELIGROSOS DE NFPA:** Este es un sistema de calificaciones utilizado para resumir los riesgos físicos y de salud para los bomberos. 0 = Sin riesgo significativo. 1 = Riesgo leve. 2 = Riesgo moderado. 3 = Riesgo severo. 4 = Riesgo extremo.

SECCIÓN 8: NE: No establecido. **ACGIH:** Conferencia Americana de Higienistas Industriales del Gobierno; **TWA:** Promedio ponderado en el tiempo (durante un día de trabajo de 8 horas); **STEL:** Límite de Exposición a Corto Plazo (un promedio de 15 minutos, no más de 4 veces al día y cada exposición con diferencia de una hora como mínimo); **C:** Límite máximo (la concentración no debe excederse en un ambiente laboral). **PEL:** Límite de exposición permisible. **NIOSH:** Instituto Nacional de la Seguridad y Salud Laborales; **REL:** Límite recomendado de exposición. **ppm:** Partes por millón. **mg/m³:** Miligramos por metro cúbico. **mppcf:** Millones de partículas por pie cúbico. **BEI:** Límite de exposición biológica. **IDLH:** Inmediatamente peligroso para la vida y la salud; **CA PEL:** California TABLA AC-1 LÍMITES DE EXPOSICIÓN PERMITIDOS PARA CONTAMINANTES QUÍMICOS

SECCIÓN 9: pH: Escala (del 0 al 14) utilizada para medir la acidez o alcalinidad de soluciones acuosas. Por ejemplo, un valor pH de 0 señala que se trata de una solución muy ácida, un pH de 7 señala que es una solución neutral, y un valor pH de 14 indica una solución extremadamente básica. **PUNTO DE INFLAMACIÓN:** La temperatura a la cual un líquido genera suficientes vapores inflamables como para que ocurra la ignición. **TEMPERATURA DE AUTOIGNICIÓN:** La temperatura a la cual ocurre una ignición espontánea. **LÍMITE EXPLOSIVO INFERIOR (LEL):** La concentración mínima de vapores inflamables en el aire que pueden provocar una ignición. **LÍMITE EXPLOSIVO SUPERIOR (UEL):** La concentración máxima de vapores inflamables en el aire que pueden provocar una ignición. ≈: Símbolo de aproximadamente. **VOC:** Compuesto orgánico volátil.

SECCIÓN 11: CONDICIÓN CARCINÓGENA: NTP: Programa Nacional de Toxicología. IARC: Agencia Internacional para la Investigación del Cáncer. **INFORMACIÓN DE TOXICIDAD REPRODUCTIVA:** Mutágeno: Una sustancia que puede causar daños en los cromosomas de las células. Embriotomía: Una sustancia que puede dañar el embrión en desarrollo en una mujer que sufre sobreexposición. Teratógeno: Una sustancia que puede dañar el feto en desarrollo en una mujer que sufre sobreexposición. Toxina de la reproducción: Una sustancia que puede afectar adversamente a los órganos reproductores femenino o masculino o sus funciones. **DATOS DE TOXICIDAD:** LDxx o LCxx: La Dosis letal o Concentración letal de una sustancia que resultaría mortal en un porcentaje dado (xx) de pruebas en animales expuestos por la vía designada de administración. Este valor se utiliza para conocer la toxicidad de sustancias químicas en humanos. TDxx o TCxx: La Dosis tóxica o Concentración tóxica de una sustancia que ocasionaría un efecto adverso en un porcentaje dado (xx) de pruebas en animales expuestos por la vía designada de administración.

SECCIÓN 12: EC50: Concentración de efecto (en el 50% del grupo de estudio); **BOD:** Demanda biológica de oxígeno. **COD:** Demanda de oxígeno químico. **ThOD:** Demanda teórica de oxígeno. **TLM:** Límite de tolerancia media.

SECCIÓN 13: RCRA: Ley para la Conservación y Recuperación de Recursos. Las normas promulgadas de conformidad con esta ley se encuentran en el CFR 40, secciones 260 ff, y definen los requisitos de la generación, transporte, tratamiento, almacenamiento y eliminación de residuos peligrosos. **Códigos de residuos RCRA de la EPA:** Se definen en el CFR 40, sección 261.

SECCIÓN 15: CERCLA: Ley Integral de Compensación, Responsabilidad y Respuesta Ambiental (también conocida como "Superfund") y **SARA:** (Ley de Modificación y Reautorización de la Superfund). Las normas promulgadas de acuerdo con esta ley se localizan en el CFR 40, 300 ff. y brindan los requisitos de "el derecho a saber de la comunidad". **TSCA:** Ley de Control de Sustancias Tóxicas: Las normas que rigen la fabricación y venta de sustancias químicas, ubicadas en el CFR 40, 700-766. **DSL/NDSL:** Listas canadienses de Sustancias Domésticas y no Domésticas.

SECCIÓN 16: SISTEMA DE CALIFICACIÓN PARA LA IDENTIFICACIÓN DE MATERIALES PELIGROSOS: Este es un sistema de calificación utilizado por el sector para resumir los riesgos físicos y a la salud de los usuarios de sustancias químicas, y fue desarrollado originalmente por la Asociación Nacional de Pinturas y Recubrimientos. 0 = Sin riesgo significativo. 1 = Riesgo leve



CANBERRA CORPORATION SAFETY DATA SHEET

1. Identification

Product Identifier: QUAT TUBERCULOCIDAL HUSKY 814 Q/T TUBERCULOCIDAL SPRAY DISINFECTANT

Application or recommended use: Hard surface spray disinfectant cleaner

Restrictions on use: Do not use in any fashion not specified on the product label.

Manufacturer / supplier: Canberra Corporation
3610 N. Holland-Sylvania Rd.
Toledo, Ohio 43615 USA

Telephone: 419-841-6616 **Emergency phone:** 800-832-8992 **National Poison Center:** 800-222-1222

2. Hazards Identification

GHS Classification: Classification of this mixture in accordance with paragraph (d) of §1910.1200.
Eye Damage/Irritation - Category 2A

Label Elements:



Symbol:

Signal word: WARNING

Hazard statements: Causes serious eye irritation.

Precautionary statements: Wash hands, face and any skin contact thoroughly after handling. Wear eye protection/face protection.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Other Hazards: None known

3. Composition / Information on Ingredients

Chemical characterization: Mixture of water, detergents, germicides and auxiliary agents.

Hazardous ingredients: The exact percentage of composition has been withheld as a trade secret.

8% *2-(2-Butoxyethoxy)ethanol CAS 112-34-5, EINECS/ELINCS 203-961-6

1.6% Tetrasodium EDTA CAS 64-02-8, EINECS/ELINCS 200-573-9

Other ingredients (> 1%):

> 88% Water CAS 7732-18-5, EINECS/ELINCS 231-791-2

4. First-Aid Measures

Symptoms: Burning or irritation of affected areas. May cause minor skin irritation. Causes serious eye irritation. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

Inhalation: Move person to fresh air. If respiratory irritation or dizziness occurs, seek immediate medical assistance.

Skin Contact: Remove contaminated clothing and wash before reuse. Wash contaminated area with soap and water for 15-20 minutes. If skin irritation occurs, get medical advice/attention.

Eye Contact: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. If eye irritation persists, get medical advice/attention.

Ingestion: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to a person who is unconscious or convulsing. If vomiting occurs, keep head below hips to reduce risk of aspiration.

Note to Physician: Treat exposed patients symptomatically.

5. Fire-Fighting Measures

Suitable Extinguishing Media: Not applicable. Product is not a fire hazard.

Unsuitable Extinguishing Media: High pressure water jet. **Specific hazards in case of fire:** None known.

Special Fire Fighting Precautions: Fire fighters should wear appropriate protective equipment, including self-contained breathing apparatus and impervious clothing.

6. Accidental Release Measures

Emergency Procedures: Depending on the extent of release, consider the need for restriction of access to spill area.

Personal Precautions: Do not eat, drink or smoke during clean up. Wear protective clothing, eye protection and impervious gloves (e.g. neoprene). Wash thoroughly after clean up.

Environmental Precautions: Prevent spills from entering storm sewers/drains or contact with soil.

6. Accidental Release Measures (cont.)

Clean up Methods: Small spills may be wiped up and rinsed with water. For larger spills, contain spill with inert material (sand, clay). Transfer material to labeled containers for recovery or proper disposal. After removal, flush area with water. Follow good industrial hygiene practices.

7. Handling and Storage

Precautions for Safe Handling: Read label before use. Avoid contact with skin or eyes. Wash hands, face and any skin contact thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves, eye protection, face protection. Use product only according to label directions. If unsure about safe use, contact your supervisor.
Conditions for Safe Storage: Keep out of reach of children. Do not contaminate water, food or feed by storage and disposal. Store in tightly closed, original container in a cool (10° - 30°C), dry area.
Incompatibility: Anionic detergents inactivate material.

8. Exposure Controls / Personal Protection

Components with occupational exposure limits: None

Engineering Controls: Proper ventilation in accordance with good industrial hygiene should be provided.

Personal Protective Equipment

Respiratory: Respiratory protection is not necessary under normal conditions of use

Gloves: Water impervious gloves (latex or neoprene rubber) recommended for continuous use.

Eye Protection: Chemical resistant goggles or face protection.

Other: Protective clothing (long sleeves, pants), eyewash, safety shower are always advisable when working with chemicals.

9. Physical and Chemical Properties

Physical State - Liquid	Auto-ignition temperature - Not applicable
Color - None	Flash Point - None
Odor - Lemon	Flammability - Not applicable
Odor Threshold - No data available	Flammability Limits - Not applicable
Boiling Point - 212°F	Partition coefficient - Not applicable
Decomposition temperature - No data available	Solubility (Water) - Complete
Freezing Point - 32°F	Vapor Density - No data available
pH (Neat) - 11.8 - 12.8	Vapor Pressure - No data available
Relative Density - 1.015	Viscosity - Water thin
Evaporation Rate - Similar to water	% VOC - < 1 (Excluding exempt material)

10. Stability and Reactivity

Reactivity: No specific reactivity test data is available for this mixture. Under normal conditions of storage and use, hazardous reactions are not expected. **Incompatible materials:** Oxidizers, anionic detergents.

Chemical stability: This product is stable at ambient temperatures and pressures.

Conditions to avoid: Temperatures above 50°C or below 10°C.

Hazardous decomposition products: None known.

11. Toxicological Information

Acute Toxicity: Toxicity data is not available for this mixture. Data below are estimates based on summation methods.

Test	Results	Classification (A.0.4.1(c))	Basis (A.1.3.6.1)
Oral	> 2000mg/kg	Not applicable	Ingredient literature (Additive formula)
Dermal	> 2000mg/kg	Not applicable	Ingredient literature (Additive formula)
Inhalation	> 20 mg/L	Not applicable	Ingredient literature (Additive formula)
Eye Damage/Irritation	Irritation	Category 2A	Ingredient literature
Skin Damage/Irritation	Not applicable	Not applicable	Ingredient literature

Summary: Skin and eye contact are most likely routes of exposure. Exposure causes minor skin irritation and serious eye irritation.

Subchronic/Chronic Toxicity:

Test	Results	Classification	Basis
Skin Sensitization	Not a sensitizer	Not applicable	Ingredient literature.

Summary: Repeated or prolonged contact causes skin or eye irritation.

Carcinogens - Ingredients are not listed on the NTP Report on Carcinogens, IARC Monographs or by OSHA

Other data - No other toxicological information is available for this mixture.

12. Ecological Information

This material has not been tested for acute environmental effects.

Persistence and degradability: Material is not persistent. All organic components > 1% are readily biodegradable.

Bio-accumulative potential: No evidence to suggest bio-accumulation will occur.

Mobility: Accidental spillage may lead to penetration of soil and groundwater.

13. Disposal Considerations

Do not contaminate water, food or feed by disposal. Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray, or mixture of rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label directions, contact your State Pesticide or Environmental Control Agency, or the hazardous waste representative at the nearest EPA Regional Office for guidance. **Container Disposal:** Non-refillable container. Do not reuse or refill this container. Offer for recycling if available. Triple rinse container promptly after emptying. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incinerate, or if allowed by state and local authorities, burn. If burned, stay out of smoke. If container is one gallon or less, wrap empty container in plastic bag and discard in trash.

14. Transport Information

Proper Shipping Name: Not regulated **RQ - Not Applicable**

Shipping emergency phone: 800-424-9300

Transport hazard class: Not Applicable **Hazard Label:** Not Applicable

Packing Group: Not Applicable **Emergency Guide No.:** Not Applicable **Marine Pollutant:** No

15. Regulatory Information

Inventory status: All components are listed on TSCA(US), EINECS/ELINCS(EU), DSL(Canada), AICS(Australia), ENCS(Japan).

FIFRA: This product is a U.S. EPA Registered pesticide, EPA Reg. No. 1839-83-8155, and is subject to certain labeling requirements under Federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide products. The hazard information required on the pesticide label is reproduced here.

CAUTION: Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. The pesticide label also includes other important information, including directions for use.

OSHA Hazard Communication Standard: This product meets the §1910.1200 definition of a "Hazardous Chemical".

Superfund Amendments and Reauthorization Act of 1986 Title III (EPCRA) Sections 311 and 312

Immediate (Acute) Health Hazard	Yes	Delayed (Chronic) Health Hazard	No
Fire Hazard	No	Reactive Hazard	No
Sudden Release of Pressure Hazard	No		

Superfund Amendments and Reauthorization Act of 1986 Title III (EPCRA) Section 313

*Chemicals marked with an asterisk in "**3. Composition/Information on Ingredients**" are subject to reporting requirements for Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40CFR Part 372.

Pennsylvania/New Jersey/Massachusetts Right to Know

See "**3. Composition/Information on Ingredients**" for hazardous and top five ingredients over 1% (w/w).

California Proposition 65: This product does not contain a listed substance known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute.

16. Other information

Date issued: 31. 12. 2014 F814-001

Revision: 14. 04. 2016 Version: 002 Revised pH

Disclaimer: No representation or warranty, either expressed or implied, of merchantability, fitness for a particular purpose, or of any other nature, is made with respect to information concerning the product referred to in this document. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, it is impossible to foresee every health effect or exposure risk incurred by the use of this product. All chemicals present some degree of hazard and should be used with caution. The information and recommendations contained herein are presented in good faith. The user should review this information in conjunction with their knowledge of the application intended to determine the suitability of this product for such purpose. In no event will the supplier be responsible for any damages of any nature whatsoever, resulting from the use, reliance upon, or the misuse of this information. Furthermore, it is the direct responsibility of the user to comply with all applicable regulations governing the use and disposal of this material. **Prepared by:** R&D, Canberra Corporation

SAFETY DATA SHEET



This Safety Data Sheet (SDS) complies with the requirements of the U.S. Federal Occupational Safety and Health Administration Hazard Communication Standard (29 CFR 1910.1200, as updated in 2012) and equivalent state Standards. It has also been developed in accordance with the United Nations Globally Harmonized System of Classification of Chemicals (GHS) and the Canadian Workplace Hazardous Materials Information System (WHMIS). Refer to Section 16 of this document for the definition of terms and abbreviations.

SECTION 1: IDENTIFICATION

1.1 PRODUCT IDENTIFIER

- ITEM NUMBER(S): 320024
- PRODUCT NAME: **Balance Neutral-pH Hard Surface Cleaner and Odor Counteractant**
 - 320024 – 1 GL

1.2 RELEVANT IDENTIFIED USES OF THE MIXTURE

- RECOMMENDED USE: Floor cleaning.
- IDENTIFIED USERS: For sale to, use and storage by service persons only.

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

- MANUFACTURER/
SUPPLIER: **Waxie's Enterprises, LLC, an Envoy Solutions Company**
- ADDRESS: 9353 Waxie Way; San Diego, CA 92123-1036
- BUSINESS PHONE: 1-800-995-4466
- EMERGENCY PHONE: 1-800-255-3924 (CHEMTEL; 24 hours)

1.4 OTHER PERTINENT INFORMATION

- This product is intended to be used only after dilution. The relevant hazard and safety data sheet are specified for both the **Product as SOLD** and **Product at USE DILUTION**, where appropriate.

SECTION 2: HAZARD IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

OSHA/HCS Status

Product as SOLD

Product at USE DILUTION

Classification of the Substance or Mixture

Acute Toxicity (Oral, Category 4)
Eye Damage/Irritation (Category 2B)

Not rated as a hazardous material under OSHA hazard classification definitions (29 CFR 1910, 200, Appendices A and B). The following label elements have been prepared based on prudent practice for use, accident response and storage.

2.2 LABEL ELEMENTS:

ELEMENT

Product as SOLD

Product at USE DILUTION

Hazard Pictograms



Not applicable.

Signal Word

WARNING.

Not applicable.

Hazard Statements

H302: Harmful if swallowed. H320:
Causes eye irritation.

Not applicable.

SECTION 2: HAZARDS IDENTIFICATION (Continued)

ELEMENT	Product as SOLD	Product at USE DILUTION
Precautionary Statements Prevention	P102. Keep out of reach of children. P103: Read label before use. P264: Wash exposed skin thoroughly after handling. P270: Do not eat, drink or smoke when using this product P280: Wear protective gloves, protective clothing, and eye protection/face protection.	P103: Read label before use. P264: Rinse exposed skin after use.
Response	P301+330+312: IF SWALLOWED: Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell. P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. P337+313: If eye irritation persists: Get medical advice/attention.	P313: In case of accidental exposure, seek medical advice if irritation persists.
Storage	P410+403: Store in a cool dry place at room temperature away from direct sunlight. Triple rinse container and offer for recycling.	(No P Code Specified): Store in a cool dry place at room temperature away from direct sunlight.
Disposal	P501: Dispose of contents and container according to the local, city, state and federal regulations.	(No P Code Specified): Triple rinse container and offer for recycling. Dispose of contents and container according to the local, city, state and federal regulations.

2.3 OTHER PERTINENT DATA ON CHEMICAL AND PHYSICAL HAZARDS:

- May cause mild skin irritation, especially after prolonged exposure.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 SUBSTANCES/MIXTURES

CHEMICAL	CAS NUMBER	GHS HAZARD CLASSIFICATION FOR CHEMICAL	% (w/w)
Dimethylmethyl (polyethylene Citric acid, Trisodium Salt Dihydrate	6132-04-3	Skin irritation (Category 2); Eye irritation (Category 2A); Aspiration hazard (Category 1); Specific target organ toxicity (Category 3, Respiratory Irritation)	Proprietary ¹
Benzododecinium Chloride	139-07-1	Acute toxicity, Oral (Category 4); Acute toxicity, Dermal (Category 4); Skin corrosion (Category 1B) Serious eye damage (Category 1); Acute aquatic toxicity (Category 1); Chronic aquatic toxicity (Category 1);	Proprietary
Citric acid, Trisodium Salt Dihydrate /Water	6132-04-3/ 7732-18-5	Not applicable.	Balance

¹ The exact percentage of composition has been withheld as a trade secret. All relevant physical and health hazards have been declared, in accordance with regulatory requirements.

SECTION 4: FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES

AREA EXPOSED	<u>Product as SOLD</u>	<u>Product at USE DILUTION</u>
Eye Contact	Flush with copious amounts of water for 15 minutes. "Roll" eyes during flush. Seek medical attention if irritation persists.	Flush with copious amounts of water. "Roll" eyes during flush. Seek medical attention if irritation persists.
Skin Contact	Flush area with warm, running water for several minutes. Seek medical attention if irritation persists.	Flush area with warm, running water for several minutes.
Inhalation	Obtain fresh air.	Obtain fresh air.
Ingestion	If conscious only: Rinse mouth with water. Do not induce vomiting. Contact a Poison Control Center or physician for instructions.	If conscious only: Rinse mouth with water. Do not induce vomiting. Contact a Poison Control Center or physician for instructions.

4.2 MOST IMPORTANT ACUTE AND CHRONIC EXPOSURE SYMPTOMS

- ACUTE HEALTH EFFECTS:

AREA EXPOSED	<u>Product as SOLD</u>	<u>Product at USE DILUTION</u>
Eye Contact	Causes eye irritation.	Diluted product is not anticipated to cause adverse effects under typical circumstances if first aid is rendered promptly. May cause mild eye irritation, especially after prolonged exposure.
Skin Contact	Prolonged contact has the potential to be mildly irritating.	No adverse effects anticipated.
Inhalation	May cause respiratory tract irritation; symptoms may include coughing and sneezing.	No adverse effects anticipated.
Ingestion	Causes gastrointestinal system irritation; symptoms may include pain, sore throat, nausea and vomiting.	No adverse effects anticipated.

- CHRONIC HEALTH EFFECTS:

<u>Product as SOLD</u>	<u>Product at USE DILUTION</u>
None reported.	None reported.

- TARGET ORGANS:

<u>Product as SOLD</u>	<u>Product at USE DILUTION</u>
Eyes.	None.

4.3 INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

The following information is for both **Product AS SOLD** and **Product at USE DILUTION**.

- GENERAL INFORMATION: For all exposures:** In case of accident, or if you feel unwell, seek medical advice immediately. Take this document and a copy of the label to the healthcare professional.
- RECOMMENDATIONS TO PHYSICIANS:** Treat symptomatically.
- MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE:** None reported.

SECTION 5: FIREFIGHTING MEASURES

Unless stated, information in this section is for both **Product as SOLD** and **Product at USE DILUTION**.

5.1 EXTINGUISHING MEDIA

- **RECOMMENDED FIRE EXTINGUISHING MEDIA:** Water Spray, Water Jet, Dry Powder, Foam, Carbon Dioxide, Halon, or any other.
- **UNSUITABLE FIRE EXTINGUISHING MEDIA:** None known.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

- **NFPA FLAMMABILITY CLASSIFICATION:**

Classification

Product as SOLD

Product at USE DILUTION

NFPA Rating



NFPA Classification

Not flammable.

Not flammable.

- **UNUSUAL HAZARDS IN FIRE SITUATIONS:**

Decomposition

Product as SOLD

Product at USE DILUTION

Generates carbon dioxide, carbon monoxide, hydrogen chloride, ammonia, and nitrogen oxides.

Generates carbon dioxide, carbon monoxide, hydrogen chloride, ammonia, and nitrogen oxides.

Explosion Sensitivity to Mechanical Impact

Not applicable.

Not applicable.

Explosion Sensitivity to Static Discharge

Not applicable.

Not applicable.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Unless stated, information in this section is for both **Product as SOLD** and **Product at USE DILUTION**.

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES

- **RESPONSE TO INCIDENTAL RELEASES:** Personnel who have received basic chemical safety training can generally handle small-scale releases. Gloves and safety glasses must be worn when cleaning-up spills. Use caution during clean-up; contaminated floors and items may be slippery.
- **RESPONSE TO NON-INCIDENTAL RELEASES:** Generally, releases of this product will be no larger than the loss of one shipment of material (therefore, 55 gallons or less). Subsequently, personnel can follow the instructions for incidental releases. As needed, respond to non-incident chemical releases of this product (such as the simultaneous destruction of several pallets of this product) by clearing the impacted area and contacting appropriate emergency personnel. In the event that over 5 gallons of this material has spilled, safety goggles with face-shield and air-purifying respirator with High Efficiency Particulate Filter should be worn.
- **RESPONSE PROCEDURES FOR ANY RELEASE:** Absorb spilled liquid with polypads or other suitable absorbent materials. Rinse area thoroughly. Because this product is a disinfectant, all items that come in contact with the solution can be returned to service after rinsing.

6.2 ENVIRONMENTAL PRECAUTIONS

- Avoid response actions that can cause a release of a significant amount of product (more than 4 gallons) into the environment. Avoid accidental dispersal of spilled material into soil, waterways and sewers.

6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

- **SPILL RESPONSE EQUIPMENT:** Polypad or other absorbent material.

6.4 REFERENCES TO OTHER SECTIONS

- **SECTION 8:** For exposure levels and detailed personal protective equipment recommendations.
- **SECTION 13:** For waste handling guidelines.

SECTION 7: HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

ITEM	<u>Product as SOLD</u>	<u>Product at USE DILUTION</u>
Hygiene Practices	Keep out of reach of children. Follow good chemical hygiene practices. Do not smoke, drink, eat, or apply cosmetics in the chemical use area. Avoid inhalation of mists and sprays. Use in well-ventilated area. Avoid contact with skin or eyes. Remove contaminated clothing promptly. Clean up spilled product immediately.	Keep out of reach of children. Follow good chemical hygiene practices. Do not smoke, drink, eat, or apply cosmetics in the chemical use area. Avoid inhalation of mists and sprays. Use in well-ventilated area. Avoid contact with skin or eyes. Remove contaminated clothing promptly. Clean up spilled product immediately.
Handling Practices	Employees must be appropriately trained to use this product safely as needed. Keep containers closed when not in use.	Employees must be appropriately trained to use this product safely as needed. Keep containers closed when not in use.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

	<u>Product as SOLD</u>	<u>Product at USE DILUTION</u>
Storage Practices	Ensure all containers are correctly labeled. Store containers away from direct sunlight, sources of intense heat, or where freezing is possible. Store this product away from incompatible chemicals. Inspect all incoming containers before storage, to ensure containers are properly labeled and not damaged. Empty containers may contain residual liquid; therefore, empty containers should be handled with care.	Ensure all containers are correctly labeled. Store containers away from direct sunlight, sources of intense heat, or where freezing is possible. Store this product away from incompatible chemicals.
Incompatibilities	See Section 10 (Stability and Reactivity).	See Section 10 (Stability and Reactivity).

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

- **AIRBORNE EXPOSURE LIMITS:** Not applicable.
- **BIOLOGICAL OCCUPATIONAL EXPOSURE LIMITS:** Not established.

8.2 EXPOSURE CONTROLS

- **PRODUCT AS SOLD**
 - Engineering Controls Use in well-ventilated environment.
 - Respiratory Protection None needed in normal circumstances of use.
 - Hand Protection Neoprene, PVC, or butyl gloves are recommended if there is a potential for skin contact. Ensure gloves are intact prior to use.
 - Eye Protection Safety glasses, if splashes/sprays can occur when using.
 - Body Protection None needed in normal circumstances of use.
- **IN USE DILUTION**
 - Personal Precautions Use in well-ventilated environment. No personal protection is typically required for most circumstances of use. If there is a possibility for extended periods of use of this product, or larger than normal volumes, refer to Recommendations for Use information above.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (Continued)

8.3 PERSONAL PROTECTION SYMBOLS

Hand Protection
(If skin contact is anticipated)

Eye Protection
(If splashes or sprays can occur)

Product as SOLD



Product at USE DILUTION

No gloves required.

No eye protection required.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

	<u>Product as SOLD</u>	<u>Product at USE DILUTION</u>
Appearance	Light yellow.	Clear, colorless liquid.
Odor	Lemon scent.	Lemon scent.
Odor Threshold	Not determined.	Not determined.
pH	6.0-8.0	Approximately 7
Melting Point/Freezing Point	< 0°C (32 °F).	Approx. 0°C (32 °F).
Initial Boiling Point/Boiling Range	>100°C (210 °F).	Approximately 100°C (212°F).
Flash Point	Not applicable.	Not applicable.
Evaporation Rate (Water = 1)	Approx. 1.0.	Approx. 1.0.
Flammability	Not applicable.	Not applicable.
Upper/Lower Explosive Limits	Not applicable.	Not applicable.
Vapor Pressure	Not determined.	Not determined.
Vapor Density	Not determined.	Not determined.
Relative Density (Density)	1.01 (8.42 lb/gal)	Approx. 1.0.
Solubility	Completely soluble in water.	Completely soluble in water.
Partition Coefficient/n-octanol/water	Not determined.	Not determined.
Autoignition Temperature	Not applicable.	Not applicable.
Decomposition Temperature	Not determined.	Not determined.
Viscosity	Not determined.	Not determined.

9.2 OTHER INFORMATION

- VOC (less water & exempt): <10 g/L.
- WEIGHT% VOC: <1.0%.

SECTION 10: STABILITY AND REACTIVITY

Unless stated, information in this section is for both **Product as SOLD** and **Product at USE DILUTION**.

10.1 REACTIVITY

- Not reactive under typical conditions of use or handling.

10.2 CHEMICAL STABILITY

- Normally stable under standard temperatures and pressures.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS

- This product is not self-reactive, water-reactive, or air-reactive.
- This product will not undergo hazardous polymerization.

SECTION 10: STABILITY AND REACTIVITY (Continued)

10.4 CONDITIONS TO AVOID

- Avoid contact with incompatible chemicals.

10.5 INCOMPATIBLE MATERIALS

- Strong oxidizing agents, heavy metal salts, water reactive materials.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

- Products of thermal decomposition of this product include oxides of carbon (i.e., carbon monoxide and carbon dioxide), hydrogen chloride, ammonia, and nitrogen oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

Unless stated, information in this section is for both **Product as SOLD** and **Product at USE DILUTION**.

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

- **ACUTE TOXICITY:**

- **PRODUCT TOXICITY DATA:**

- Acute Toxicity Estimate: (Oral): 300-2000 mg/kg
- Acute Toxicity Estimate (Dermal): > 2,000 mg/kg

- **TOXICOLOGY DATA:** The following data are available for components of this product.

BENZODODECINIUM CHLORIDE

LD₅₀ (oral, rat) = 400 mg/kg

LD₅₀ (intraperitoneal, rat) = 400 mg/kg

- **DEGREE OF IRRITATION:** Causes eye irritation. See Section 4 (First-Aid Measures) for more details.
- **SENSITIZATION:** No component of the product is reported to be a skin or respiratory sensitizer.
- **REVIEW OF ACUTE SYMPTOMS AND EFFECTS BY ROUTE OF EXPOSURE:** See Section 2 (Hazards Information) and Section 4 (First Aid Measures) for additional details.

	<u>Product as SOLD</u>	<u>Product at USE DILUTION</u>
Eye Contact	Causes eye irritation.	May cause mild eye irritation, especially after prolonged exposure.
Skin Contact	Prolonged contact has the potential to be mildly irritating.	No adverse effects anticipated.
Inhalation	May cause respiratory tract irritation; symptoms may include coughing and sneezing.	No adverse effects anticipated.
Ingestion	Causes gastrointestinal system irritation; symptoms may include pain, sore throat, nausea and vomiting.	No adverse effects anticipated.

- **CHRONIC TOXICITY:**

- **CARCINOGENICITY STATUS:** No component is listed as a carcinogen by IARC, NTP or OSHA.
- **REPRODUCTIVE TOXICITY INFORMATION:** The components of this product are not reported to cause reproductive effects under typical circumstances of exposure.
- **MUTAGENIC EFFECTS:** The components of this product are not reported to cause mutagenic effects under typical circumstances of exposure.
- **SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE:** Not applicable.
- **SPECIFIC TARGET ORGAN TOXICITY – REPEATED EXPOSURE:** Not applicable.
- **ASPIRATION HAZARD:** Not applicable.

- **OTHER INFORMATION:**

- **TOXICOLOGICALLY SYNERGISTIC PRODUCTS:** None known.
- **ADDITIONAL TOXICOLOGY:** Not applicable.

SECTION 12: ECOLOGICAL INFORMATION

Unless stated, information in this section is for both **Product as SOLD** and **Product at USE DILUTION**.

12.1 TOXICITY

- Based on available data, this product may be harmful or fatal to contaminated terrestrial or aquatic plants or animals, depending on the volume released into the environment.

12.2 PERSISTENCE AND DEGRADABILITY

- When released into the soil, the components of this product are expected to biodegrade, dissipate in soils via oxidation, or otherwise chemically degrade or photo-decompose via solar radiation.

12.3 BIOACCUMULATIVE POTENTIAL

- This product is not anticipated to bioaccumulate significantly.

12.4 MOBILITY IN SOIL

- It is to be expected this product will have some mobility in soil.

12.5 OTHER ADVERSE EFFECTS

- None reported.

SECTION 13: DISPOSAL CONSIDERATION

13.1 WASTE TREATMENT METHODS

Product as SOLD

Dispose of in accordance with local, State and Federal regulations.

Product at USE DILUTION

Dispose of unused product in accordance with local, State and Federal regulations.

13.2 DISPOSAL CONSIDERATIONS

- EPA RCRA WASTE CODE:** Not applicable.

SECTION 14: TRANSPORT INFORMATION

Information in this section is for **Product as SOLD**.

14.1 DANGEROUS GOODS BASIC DESCRIPTION AND OTHER TRANSPORT INFORMATION

- DEPARTMENT OF TRANSPORTATION HAZARDOUS MATERIALS SHIPPING REGULATIONS:**

UN/NA Number	Proper Shipping Name	Packing Group	Hazard Class	Label	North American Emergency Response Guide #	Marine Pollutant Status
NOT APPLICABLE						

- IATA DESIGNATION:** This product is not regulated as dangerous goods by the International Air Transport Association.
- IMO DESIGNATION:** This product is not regulated as dangerous goods by the International Maritime Organization.

14.2 ENVIRONMENTAL HAZARDS

- None described, as related to transportation.

14.3 SPECIAL PRECAUTIONS FOR USERS

- Not applicable.

14.4 TRANSPORT IN BULK

- Not applicable.

SECTION 15: REGULATORY INFORMATION

15.1 SAFETY, HEALTH, AND ENVIRONMENTAL REGULATIONS SPECIFIC FOR THE PRODUCT

• OTHER IMPORTANT U.S. REGULATIONS

- **U.S. SARA HAZARD CATEGORIES (SECTION 311/312, 40 CFR 370-21):** Acute Toxicity; Serious Eye Damage/Irritation.
- **U.S. CERCLA REPORTABLE QUANTITY (RQ):** Not applicable.
- **U.S. TSCA INVENTORY STATUS:** All components of this product are listed on the TSCA Inventory.
- **U.S. SARA 313:** Not applicable.
- **CALIFORNIA SAFE DRINKING WATER ACT (PROPOSITION 65) STATUS:** Not applicable.

• INTERNATIONAL REGULATIONS

- **CANADIAN REGULATORY STATUS: CANADIAN REGULATORY STATUS:** The product is classified as hazardous under Hazardous Products Regulations (SOR-2015-17).
 - WHMIS 2015: See section 2.
 - This SDS contains all the information required by the HPR.
- **CANADIAN DSL/NDSL INVENTORY STATUS:** The listed components of this product are on the DSL/NDSL Inventory.
- **CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITY SUBSTANCES LISTS:** The components of this product are not on the CEPA Priority Substances Lists.

SECTION 16: OTHER INFORMATION

16.1 INDICATION OF CHANGE

- **DATE OF REVISION:** November 11, 2021
- **SUPERCEDES:** January 23, 2015
- **CHANGE INDICATED:** Update of manufacturer information, addition of H/P Codes; regulatory review and update; establishing distinction between professional and consumer use personal protective equipment).

16.2 KEY LITERATURE REFERENCES AND SOURCES FOR DATA

- SAFETY DATA SHEETS FOR COMPONENT PRODUCTS.
- Federal OSHA Hazard Communication Standard: 29 CFR 1910.1200.

16.3 HAZARDOUS MATERIALS CLASSIFICATION SYSTEM

<u>Product as SOLD</u>			<u>Product at USE DILUTION</u>		
Health	1	HMIS Personal	Health	0	HMIS Personal Protective
Flammability	0	Protective Equipment	Flammability	0	Equipment Rating:
Physical Hazard	0	Rating: Occupational	Physical Hazard	0	Occupational Use
Protective Equipment	B	Use situations: B - Safety glasses and gloves, if splashes/sprays can be generated.	Protective Equipment	Not applicable	situations: No protective equipment is needed under normal circumstances of use and handling.

16.4 DISCLAIMER

Waxie's Enterprises, LLC, an Envoy Solutions Company (WAXIE), makes no warranty, representation or guarantee as to the accuracy, sufficiency or completeness of the material set forth herein. It is the user's responsibility to determine the safety, toxicity and suitability of their own use, handling and disposal of this product. Since actual use by others is beyond our control, no warranty, expressed or implied, is made by WAXIE as to the effects of such use, the results to be obtained or the safety and toxicity of this product, nor does WAXIE assume any liability arising out of the use by others of this product referred to herein. The data in this SDS relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. WAXIE does not recommend blending this product with any other chemicals. All information, recommendations and data contained herein concerning this product are based upon information available at the time of writing from recognized technical sources.

SECTION 16: OTHER INFORMATION (Continued)

16.5 ABBREVIATIONS AND ACRONYMS

ALL SECTIONS: OSHA: U.S. Federal Occupational Safety and Health Administration. WHMIS: Canadian Workplace Hazardous Materials Standard. GHS: Globally Harmonized System of Classification of Chemical Substances.

SECTION 3: CAS Number: Chemical Abstract Service Number, which is used by the American Chemical Society to uniquely identify a chemical.

SECTION 5: NFPA: National Fire Protection Association. NFPA FLAMMABILITY CLASSIFICATION: The NFPA uses the flash point (F.P.) and boiling point (BP) to classify flammable or combustible liquids. Class IA: F.I.P. below 73°F and BP below 100°F. Class IB: F.I.P. below 73°F and BP at or above 100°F. Class IC: F.I.P. at or above 73°F and BP at or above 100°F. Class II: F.I.P. at or above 100°F and below 140°F. Class IIIA: F.I.P. at or above 140°F and below 200°F. Class IIIB: F.I.P. at or above 200°F. NFPA HAZARDOUS MATERIALS RATING: This is a rating system used to summarize physical and health hazards to firefighters. 0 = No Significant Hazard. 1 = Slight Hazard. 2 = Moderate Hazard. 3 = Severe Hazard. 4 = Extreme Hazard.

SECTION 8: NE: Not established. ACGIH: American Conference of Government Industrial Hygienists; TWA: Time-Weighted Average (over an 8-hour work day); STEL: Short-Term Exposure Limit (15-minute average, no more than 4-times daily and each exposure separated by one-hour minimally); C: Ceiling Limit (concentration not to be exceeded in a work environment). PEL: Permissible Exposure Limit. NIOSH: National Institute of Occupational Safety and Health; REL: Recommended Exposure Limit. ppm: Parts per Million. mg/m³: Milligrams per cubic meter. mppcf: Millions of Particles per Cubic Foot. BEI: Biological Exposure Limit. CA: California - TABLE AC-1 Permissible Exposure Limits for Airborne Contaminants

SECTION 9: pH: Scale (0 to 14) used to rate the acidity or alkalinity of aqueous solutions. For example, a pH value of 0 indicates a strongly acidic solution, pH of 7 indicates a neutral solution, and a pH value of 14 indicates an extremely basic solution. FLASH POINT: Temperature at which a liquid generates enough flammable vapors so that ignition may occur. AUTOIGNITION TEMPERATURE: Temperature at which spontaneous ignition occurs. LOWER EXPLOSIVE LIMIT (LEL): The minimal concentration of flammable vapors in air which will sustain ignition. UPPER EXPLOSIVE LIMIT (UEL): The maximum concentration of flammable vapors in air which will sustain ignition. ≈: Approximately symbol. VOC: Volatile Organic Compound.

SECTION 11: CARCINOGENICITY STATUS: NTP: National Toxicology Program. IARC: International Agency for Research on Cancer. REPRODUCTIVE TOXICITY INFORMATION: Mutagen: Substance capable of causing chromosomal damage to cells. Embryotoxin: Substance capable of damaging the developing embryo in an overexposed female. Teratogen: Substance capable of damaging the developing fetus in an overexposed female. Reproductive toxin: Substance capable of adversely affecting male or female reproductive organs or functions. TOXICOLOGY DATA: LDxx or LCxx: The Lethal Dose or Lethal Concentration of a substance which will be fatal to a given percentage (xx) of exposed test animals by the designate route of administration. This value is used to assess the toxicity of chemical substances to humans. TDxx or TCxx: The Toxic Dose or Toxic Concentration of a substance which will cause an adverse effect to a given percentage (xx) of exposed test animals by the designate route of administration.

SECTION 12: EC50: Effect Concentration (on 50% of study group); BOD: Biological Oxygen Demand. COD: Chemical Oxygen Demand. ThOD: Theoretical Oxygen Demand. TLM: Median Tolerance Limit.

SECTION 13: RCRA: Resource Conservation and Recovery Act. The regulations promulgated under this Act are found in 40 CFR, Sections 260 ff, and define the requirements of hazardous waste generation, transport, treatment, storage, and disposal. EPA RCRA Waste Codes: Defined in 40 CFR Section 261.

SECTION 15: CERCLA: Comprehensive Environmental Response Compensation and Liability Act (a.k.a. "Superfund") and SARA: (Superfund Amendment and Reauthorization Act). The regulations promulgated under this Act are located under 40 CFR 300 ff. and provide "community right-to-know" requirements. TSCA: Toxic Substances Control Act: Rules regulating the manufacture and sale of chemicals found in 40 CFR 700-766. DSL/NDSL: Canadian Domestic Substances and Non-Domestic Substances Lists.

SECTION 16: HAZARDOUS MATERIALS IDENTIFICATION SYSTEM RATING: This is a rating system used by industry to summarize physical and health hazards to chemical users and was originally developed by the National Paint and Coating Association. 0 = No Significant Hazard. 1 = Slight Hazard. 2 = Moderate Hazard. 3 = Severe Hazard. 4 = Extreme Hazard.

HOJA DE DATOS DE SEGURIDAD



Esta Hoja de datos de seguridad (SDS) cumple con los requisitos de la Norma federal de comunicación de riesgos de la Administración de Seguridad y Salud Ocupacional de los EE. UU. (CFR 29, 1910.1200, conforme a la actualización de 2012) y las normas estatales equivalentes. También ha sido desarrollada de acuerdo con el Sistema Mundialmente Armonizado de Clasificación de Productos Químicos de las Naciones Unidas (GHS) y el Sistema de Información de Materiales Peligrosos en el Lugar de Trabajo, de Canadá (WHMIS). Consulte la sección 16 de este documento para conocer la definición de los términos y abreviaturas.

SECCIÓN 1: IDENTIFICACIÓN

1.1 IDENTIFICADOR DEL PRODUCTO

- NÚMERO(S) DE ARTÍCULO: 320024
- NOMBRE DEL PRODUCTO: Limpiador de superficies duras y contraatacante de olores que equilibra el pH neutro
 - 320024 – 1 GL

1.2 USOS RELEVANTES E IDENTIFICADOS DE LA MEZCLA

- USO RECOMENDADO: Limpieza de pisos.
- USUARIOS IDENTIFICADOS: Para la venta, uso y almacenamiento solo por parte del personal de servicio.

1.3 DETALLES DEL PROVEEDOR DE LA HOJA DE DATOS DE SEGURIDAD

- FABRICANTE/PROVEEDOR: **Waxie's Enterprises, LLC., una empresa de Envoy Solutions**
- DIRECCIÓN: 9353 Waxie Way; San Diego, CA 92123-1036
- TELÉFONO DE OFICINA: 1-800-995-4466
- TELÉFONO DE EMERGENCIAS: 1-800-255-3924 (CHEMTEL; las 24 horas)

1.4 OTRA INFORMACIÓN PERTINENTE

- Este producto se debe usar solamente después de ser diluido. Los datos pertinentes sobre el riesgo y la seguridad se especifican para el **Producto COMERCIALIZADO** y **Producto DILUIDO AL USARLO**, según corresponda.

SECCIÓN 2: IDENTIFICACIÓN DE RIESGOS

2.1 CLASIFICACIÓN DE LA SUSTANCIA O MEZCLA

Estado según la OSHA/HCS

Producto COMERCIALIZADO

Clasificación de la sustancia o mezcla

Toxicidad aguda (oral, categoría 4)
Daño/Irritación en los ojos (categoría 2B)

Producto DILUIDO al USARLO

No clasificado como material peligroso según las definiciones de clasificación de peligros de OSHA (29 CFR 1910, 200, Apéndices A y B). Los siguientes elementos de la etiqueta se han preparado sobre la base de prácticas prudentes de uso, respuesta a accidentes y almacenamiento.

2.2 ELEMENTOS DE LA ETIQUETA:

ELEMENTO

Producto COMERCIALIZADO

Producto DILUIDO al USARLO

Pictogramas de riesgo



No corresponde.

Palabra de advertencia

ATENCIÓN

No corresponde.

Declaraciones del riesgo

H302: Nocivo en caso de ingestión.
H320: Provoca irritación ocular.

No corresponde.

SECCIÓN 2: IDENTIFICACIÓN DE RIESGOS (continuación)

ELEMENTO

Producto COMERCIALIZADO

Producto DILUIDO al USARLO

Declaraciones de precaución

Prevención

P102: Mantener fuera del alcance de los niños. P103: Leer la etiqueta antes del uso P264: Lavarse la piel expuesta cuidadosamente después de la manipulación. P270: No comer, beber o fumar mientras se manipula este producto. P280: Usar guantes / ropa de protección / equipo de protección para la cara / los ojos.

P103: Leer la etiqueta antes del uso. Evite el contacto directo con el producto.

P264: Enjuague la piel expuesta después de su uso.

Respuesta

P301+330+312: EN CASO DE INGESTION: enjuagar la boca. Llamar un centro de toxicología o médico si la persona se encuentra mal. P305+351+338: EN CASO DE CONTACTO CON LOS OJOS: Enjuagar con agua cuidadosamente durante varios minutos. Quitar los lentes de contacto cuando estén presentes y pueda hacerse con facilidad. Proseguir con el lavado. P337+313: Si la irritación ocular persiste, consultar a un médico.

P313: En caso de exposición accidental, consulte a un médico si persiste la irritación.

Almacenamiento

P410+403 Almacene en un lugar fresco y seco a temperatura ambiente, lejos de la luz solar directa. Triple enjuague contenedor y oferta para reciclaje.

(No se especifica el código P): Almacene en un lugar fresco y seco a temperatura ambiente, lejos de la luz solar directa.

2.3 OTROS DATOS IMPORTANTES SOBRE LOS RIESGOS QUÍMICOS Y FÍSICOS:

- Puede ocasionar irritación leve de la piel, especialmente después de la exposición prolongada.

SECCIÓN 3: COMPOSICIÓN/INFORMACIÓN SOBRE INGREDIENTES

3.1 SUSTANCIAS/MEZCLAS

QUÍMICAS	NÚMERO DE CAS	CLASIFICACIÓN DE RIESGO DE GHS POR SUSTANCIAS QUÍMICAS	% (w/w)
Dimetilmetil (ácido cítrico de polietileno, dihidrato de sal trisódico)	6132-04-3	Irritación de la piel (categoría 2); Irritación de los ojos (categoría 2A); Riesgo de aspiración (categoría 1); Toxicidad específica en órganos afectados (categoría 3, Irritación respiratoria)	Patentado ¹
Cloruro de benzododecinio	139-07-1	Toxicidad aguda, oral (categoría 4); Toxicidad aguda, cutánea (categoría 4); Corrosión de la piel (categoría 1B); Daños graves a los ojos (categoría 1); Toxicidad acuática aguda (categoría 1); Toxicidad acuática crónica (categoría 1)	Patentado
Ácido cítrico, dihidrato de sal trisódico /agua	6132-04-3/ 7732-18-5	No corresponde.	Balance

¹El porcentaje exacto de la composición no se revela por ser un secreto comercial. Se han declarado todos los riesgos físicos y a la salud pertinentes, de conformidad con los requisitos reglamentarios.

SECCIÓN 4: MEDIDAS DE PRIMEROS AUXILIOS

4.1 DESCRIPCIÓN DE LAS MEDIDAS DE PRIMEROS AUXILIOS

ÁREA EXPUESTA	<u>Producto COMERCIALIZADO</u>	<u>Producto DILUIDO AL USARLO</u>
Contacto con los ojos	Enjuague con abundante agua durante 15 minutos. Mire hacia arriba mientras se enjuaga los ojos. Si la irritación persiste, busque atención médica.	Enjuague con abundante agua. Mire hacia arriba mientras se enjuaga los ojos. Si la irritación persiste, busque atención médica.
Contacto con la piel	Enjuague el área con agua tibia y corriente durante varios minutos. Si la irritación persiste, busque atención médica.	Enjuague el área con agua tibia y corriente durante varios minutos.
Inhalación	Salga al aire fresco.	Salga al aire fresco.
Ingestión	Si está consciente: Enjuáguese la boca con agua. No induzca el vómito. Póngase en contacto con un Centro para el Control de Envenenamientos o con un médico y siga las indicaciones.	Si está consciente: Enjuáguese la boca con agua. No induzca el vómito. Póngase en contacto con un Centro para el Control de Envenenamientos o con un médico y siga las indicaciones.

4.2 SÍNTOMAS AGUDOS Y CRÓNICOS MÁS IMPORTANTES COMO RESULTADO DE UNA EXPOSICIÓN

• EFECTOS AGUDOS EN LA SALUD:

ÁREA EXPUESTA	<u>Producto COMERCIALIZADO</u>	<u>Producto DILUIDO al USARLO</u>
Contacto con los ojos	Ocasiona irritación en los ojos.	No se prevé que el producto diluido cause efectos adversos en circunstancias típicas si los primeros auxilios se brindan con prontitud. Puede causar irritación ocular leve, especialmente después de una exposición prolongada.
Contacto con la piel	El contacto prolongado puede tener un efecto de irritación moderado.	No se prevén efectos adversos.
Inhalación	Pueda ocasionar irritación en las vías respiratorias; Los síntomas pueden incluir tos y estornudos.	No se prevén efectos adversos.
Ingestión	Ocasiona irritación del sistema gastrointestinal; Los síntomas pueden incluir dolor, garganta irritada, náuseas y vómito.	No se prevén efectos adversos.

• EFECTOS CRÓNICOS EN LA SALUD:

Producto COMERCIALIZADO

No se ha informado ninguno.

Producto DILUIDO al USARLO

No se ha informado ninguno.

• ÓRGANOS QUE AFECTA:

Producto COMERCIALIZADO

Ojos.

Producto DILUIDO al USARLO

Ninguna.

4.3 INDICACIÓN DE ATENCIÓN MÉDICA INMEDIATA Y TRATAMIENTO ESPECIAL NECESARIO

La siguiente información es para el **Producto COMERCIALIZADO** y el **Producto DILUIDO AL USARLO**.

- **INFORMACIÓN GENERAL: Para toda clase de exposiciones:** En caso de accidente, o si no se siente bien, busque atención médica de inmediato. Llévese este documento y una copia de la etiqueta a su consulta con el médico.
- **RECOMENDACIONES PARA EL MÉDICO:** Dé tratamiento de acuerdo con los síntomas.
- **AFECCIONES MÉDICAS QUE PUEDEN AGRAVARSE CON UNA SOBREEXPOSICIÓN:** No se ha informado ninguna.

SECCIÓN 5: MEDIDAS CONTRA INCENDIOS

A menos que se indique lo contrario, la información de esta sección corresponde al **Producto COMERCIALIZADO** y el **Producto DILUIDO AL USARLO**.

5.1 MEDIO PARA APAGAR UN INCENDIO

- **MEDIO RECOMENDADO PARA APAGAR UN INCENDIO:** Spray de agua, chorro de agua, polvo seco, espuma, dióxido de carbono, sistema de o cualquier otro medio.
- **MEDIOS NO ADECUADOS PARA APAGAR UN INCENDIO:** Ninguno conocido.

5.2 RIESGOS ESPECIALES QUE PUEDEN SURGIR DEBIDO A LA SUSTANCIA O MEZCLA

- **CLASIFICACIÓN DE NFPA SOBRE INFLAMABILIDAD:**

Clasificación

Producto COMERCIALIZADO

Producto DILUIDO AL USARLO

Calificación de NFPA



Clasificación de NFPA

No inflamable.

No inflamable.

- **RIESGOS INUSUALES EN CASO DE INCENDIO:**

Descomposición

Producto COMERCIALIZADO

Producto DILUIDO AL USARLO

Genera dióxido de carbono, monóxido de carbono, cloruro de hidrógeno, amoníaco y óxidos de nitrógeno.

Genera dióxido de carbono, monóxido de carbono, cloruro de hidrógeno, amoníaco y óxidos de nitrógeno.

Susceptibilidad a explosiones en caso de impacto mecánico

No corresponde.

No corresponde.

Susceptibilidad a explosiones en caso de descarga estática

No corresponde.

No corresponde.

SECCIÓN 6: MEDIDAS EN CASO DE DERRAME ACCIDENTAL

A menos que se indique lo contrario, la información de esta sección corresponde al **Producto COMERCIALIZADO** y el **Producto DILUIDO AL USARLO**.

6.1 PRECAUCIONES PERSONALES, EQUIPO DE PROTECCIÓN Y PROCEDIMIENTOS DE EMERGENCIA

- **RESPUESTA ANTE DERRAMES ACCIDENTALES:** El personal que ha recibido capacitación básica para la manipulación de sustancias químicas puede manejar los derrames a pequeña escala. Es necesario utilizar guantes y lentes de seguridad al limpiar los derrames. Mientras limpia, tenga cuidado; los pisos y objetos contaminados pueden estar resbalosos.
- **RESPUESTA ANTE DERRAMES NO ACCIDENTALES:** En general, los derrames de este material no irán más allá de la pérdida de un envío de material (es decir, 55 galones o menos). Por lo tanto, el personal puede seguir las instrucciones en caso de derrames accidentales. Según corresponda, responda a los derrames no accidentales de sustancias químicas cuando haya un derrame de este producto (como la destrucción simultánea de varias paletas del producto) limpiando el área afectada y poniéndose en contacto con el personal de emergencias adecuado. En caso de que se hayan derramado más de 5 galones de este material, deben utilizarse lentes de seguridad con protección para el rostro y una mascarilla purificadora de aire con un filtro de partículas de alta eficiencia.
- **PROCEDIMIENTOS DE RESPUESTA ANTE CUALQUIER DERRAME:** Absorba el líquido derramado con polypads u otros materiales absorbentes adecuados. Enjuague bien el área. Debido a que este producto es un agente de limpieza, todos los objetos que entren en contacto con la solución pueden volver a usarse después de enjuagarlos.

6.2 PRECAUCIONES AMBIENTALES

- Evite las acciones de respuesta que puedan ocasionar el derrame de una cantidad significativa del producto (más de 4 galones) en el medioambiente. Evite la dispersión accidental del material derramado en la tierra, vías acuáticas y alcantarillados.

6.3 MÉTODOS Y MATERIALES PARA LA CONTENCIÓN Y LABORES DE LIMPIEZA

- **EQUIPO DE RESPUESTA EN CASO DE DERRAME:** Polypad u otro material absorbente.

6.4 REFERENCIAS A OTRAS SECCIONES

- **SECCIÓN 8:** Para los niveles de exposición y recomendaciones detalladas del equipo de protección personal.
- **SECCIÓN 13:** Para conocer las pautas en el manejo de desperdicios.

SECCIÓN 7: MANIPULACIÓN Y ALMACENAMIENTO

7.1 PRECAUCIONES PARA EL MANEJO SEGURO

ELEMENTO	<u>Producto COMERCIALIZADO</u>	<u>Producto DILUIDO AL USARLO</u>
Prácticas de higiene	Manténgase fuera del alcance de los niños. Siga las buenas prácticas de higiene química. No fume, beba, coma ni se aplique cosméticos en el área de uso de sustancias químicas. Evite la inhalación de rocíos y sprays. Utilice en áreas bien ventiladas. Evite el contacto con la piel o los ojos. Retire la vestimenta contaminada inmediatamente. Limpie el producto derramado de inmediato.	Manténgase fuera del alcance de los niños. Siga las buenas prácticas de higiene química. No fume, beba, coma ni se aplique cosméticos en el área de uso de sustancias químicas. Evite la inhalación de rocíos y sprays. Utilice en áreas bien ventiladas. Evite el contacto con la piel o los ojos. Retire la vestimenta contaminada inmediatamente. Limpie el producto derramado de inmediato.
Prácticas de manejo	Los empleados deben estar debidamente capacitados para utilizar este producto de la manera más segura según sea necesario. Mantenga los recipientes cerrados cuando no los use.	Los empleados deben estar debidamente capacitados para utilizar este producto de la manera más segura según sea necesario. Mantenga los recipientes cerrados cuando no los use.

7.2 CONDICIONES PARA EL ALMACENAMIENTO SEGURO, INCLUYENDO CUALQUIER INCOMPATIBILIDAD

	<u>Producto COMERCIALIZADO</u>	<u>Producto DILUIDO AL USARLO</u>
Prácticas de almacenamiento	Asegúrese de que todos los envases estén etiquetados de manera correcta. Conserve los envases fuera de la luz solar directa, de las fuentes intensas de calor o cuando sea posible que se congelen. Almacene este producto alejado de sustancias químicas incompatibles. Revise todos los contenedores entrantes antes de guardar, para asegurarse de que estén debidamente etiquetados y no se encuentren dañados. Los envases vacíos pueden contener residuos de líquido, por lo tanto, deben manejarse con cuidado.	Asegúrese de que todos los envases estén etiquetados de manera correcta. Conserve los envases fuera de la luz solar directa, de las fuentes intensas de calor o cuando sea posible que se congelen. Almacene este producto alejado de sustancias químicas incompatibles.
Incompatibilidades	Ver la sección 10 (estabilidad y reactividad).	Ver la sección 10 (estabilidad y reactividad).

SECCIÓN 8: CONTROLES DE EXPOSICIÓN/PROTECCIÓN PERSONAL

8.1 PARÁMETROS DE CONTROL

- **LÍMITES DE EXPOSICIÓN EN EL AIRE:** No corresponde.
- **LÍMITES DE EXPOSICIÓN BIOLÓGICA EN EL TRABAJO:** No establecido.

8.2 CONTROLES DE EXPOSICIÓN

- **PRODUCTO COMERCIALIZADO:**
 - Controles de ingeniería** Utilice en ambientes bien ventilados.
 - Protección respiratoria** No es necesario en circunstancias de uso normal.
 - Protección de las manos** Se recomiendan guantes de neopreno, PVC o butilo si existe la posibilidad de contacto con la piel. Asegúrese de que los guantes estén intactos antes de usarlos.
 - Protección de los ojos** Gafas de seguridad, si pueden ocurrir salpicaduras/sprays al usar.
 - Protección corporal** No es necesario en circunstancias de uso normal.
- **PRODUCTO DILUIDO AL USARLO:**
 - Precauciones personales** Utilice en ambientes bien ventilados. Por lo general, no se requiere protección personal para la mayoría de las circunstancias de uso. Si existe la posibilidad de períodos prolongados de uso de este producto, o volúmenes mayores de lo normal, consulte la información de Recomendaciones de uso anterior.

SECCIÓN 8: CONTROLES DE EXPOSICIÓN/PROTECCIÓN PERSONAL (continuación)

8.3 SÍMBOLOS DE PROTECCIÓN PERSONAL

Protección de las manos
(Si se provee contacto con la piel)

Protección de los ojos
(Si pueden ocurrir salpicaduras o sprays)

Producto COMERCIALIZADO



Producto DILUIDO al USARLO

No se necesitan guantes.

No se necesita protección para los ojos.

SECCIÓN 9: PROPIEDADES FÍSICAS Y QUÍMICAS

9.1 INFORMACIÓN SOBRE LAS PROPIEDADES FÍSICAS Y QUÍMICAS BÁSICAS

	<u>Producto COMERCIALIZADO</u>	<u>Producto DILUIDO AL USARLO</u>
Aspecto	Amarillo claro.	Líquido transparente e incoloro
Olor	Aroma a limón.	Aroma a limón.
Umbral olfativo	No determinado.	No determinado.
pH:	6.0-8.0	Aproximadamente 7
Punto de fusión y punto de congelamiento	< 0 °C (32 °F).	Aprox. 0 °C (32 °F).
Punto de ebullición inicial y rango de ebullición	>100 °C (210 °F).	Aproximadamente 100 °C (212 °F).
Punto de inflamación	No corresponde.	No corresponde.
Tasa de evaporación (Agua = 1)	Aprox. 1.0.	Aprox. 1.0.
Inflamabilidad	No corresponde.	No corresponde.
Límites superiores e inferiores de explosividad	No corresponde.	No corresponde.
Presión de vapor	No determinado.	No determinado.
Densidad del vapor	No determinado.	No determinado.
Densidad relativa (Densidad)	1.01 (8.42 lb/gal)	Aprox. 1.0.
Solubilidad	Totalmente soluble en agua.	Totalmente soluble en agua.
Coefficiente de partición n-octanol/agua	No determinado.	No determinado.
Temperatura de autoinflamación	No corresponde.	No corresponde.
Temperatura de descomposición	No determinado.	No determinado.
Viscosidad	No determinado.	No determinado.

9.2 INFORMACIÓN ADICIONAL

- VOC (menos agua y exento): 10 g/L.
- PESO % VOC: <1.0%.

SECCIÓN 10: ESTABILIDAD Y REACTIVIDAD

A menos que se indique lo contrario, la información de esta sección corresponde al **Producto COMERCIALIZADO** y el **Producto DILUIDO AL USARLO**.

10.1 REACTIVIDAD

- No es reactivo en condiciones normales de uso o manipulación.

10.2 ESTABILIDAD QUÍMICA

- Es normalmente estable en condiciones estándar de temperatura y presiones.

10.3 POSIBILIDAD DE REACCIONES PELIGROSAS

- Este producto no es autoreactivo, ni reactivo al agua o al aire.
- Este producto no experimentará una polimerización peligrosa.

SECCIÓN 10: ESTABILIDAD Y REACTIVIDAD (Continuación)

10.4 CONDICIONES QUE SE DEBEN EVITAR

- Evite el contacto con sustancias químicas incompatibles.

10.5 MATERIALES INCOMPATIBLES

- Agentes oxidantes fuertes, sales de metales pesados, materiales reactivos al agua.

10.6 PRODUCTOS DE DESCOMPOSICIÓN PELIGROSA

- Los productos de descomposición térmica de este material incluyen óxidos de carbono (es decir, monóxido de carbono y dióxido de carbono), cloruro de hidrógeno, amoníaco y óxidos de nitrógeno.

SECCIÓN 11: INFORMACIÓN TOXICOLÓGICA

A menos que se indique lo contrario, la información de esta sección corresponde al **Producto COMERCIALIZADO** y el **Producto DILUIDO AL USARLO**.

11.1 INFORMACIÓN SOBRE LOS EFECTOS TOXICOLÓGICOS

• TOXICIDAD AGUDA:

○ **DATOS DE TOXICIDAD DEL PRODUCTO:**

- Estimación de toxicidad aguda (oral): 300-2000 mg/kg
- Estimación de toxicidad aguda (dérmica): > 2,000 mg /kg

○ **DATOS DE TOXICIDAD:** Los siguientes datos están disponibles para los componentes de este producto:

CLORURO DE BENZODODECINIO

LD₅₀ (Oral, rata) = 400 mg/kg

LD₅₀ (intraperitoneal, rata) = 400 mg/kg

- **GRADO DE IRRITACIÓN:** Ocasiona irritación en los ojos. Consulte la sección 4 (medidas de primeros auxilios) para obtener más información.
- sensibilización cutánea o respiratoria.
- **REVISIÓN DE SÍNTOMAS AGUDOS Y EFECTOS POR LA VÍA DE EXPOSICIÓN:** Consulte la sección 2 (información de riesgos) y la sección 4 (medidas de primeros auxilios) para obtener más detalles.

	Producto COMERCIALIZADO	Producto DILUIDO al USARLO
Ojos	Ocasiona irritación en los ojos.	Puede causar irritación ocular leve, especialmente después de una exposición prolongada.
Piel	Puede ocasionar irritación moderada en la piel.	No se prevén efectos adversos.
Inhalación	Puede ocasionar irritación en las vías respiratorias.	No se prevén efectos adversos.
Ingestión	Puede ocasionar irritación gastrointestinal.	No se prevén efectos adversos.

• TOXICIDAD CRÓNICA:

- **CONDICIÓN CARCINÓGENA:** Ningún componente está catalogado como carcinógeno por IARC, NTP u OSHA.
- **INFORMACIÓN DE TOXICIDAD REPRODUCTIVA:** No se ha informado que los componentes de este producto ocasionen efectos reproductivos en condiciones normales de exposición.
- **EFECTOS MUTAGÉNICOS:** No se ha informado que los componentes de este producto ocasionen efectos reproductivos en condiciones normales de exposición.
- **TOXICIDAD ESPECÍFICA EN ÓRGANOS AFECTADOS POR EXPOSICIÓN ÚNICA:** No corresponde.
- **TOXICIDAD ESPECÍFICA EN ÓRGANOS AFECTADOS POR EXPOSICIÓN REPETIDA:** No corresponde.
- **RIESGO DE ASPIRACIÓN:** No corresponde.

• INFORMACIÓN ADICIONAL:

- **PRODUCTOS TOXICOLÓGICOS SINÉRGICOS:** Ninguno conocido.
- **TOXICOLOGÍA ADICIONAL:** No corresponde.

SECCIÓN 12: INFORMACIÓN ECOLÓGICA

A menos que se indique lo contrario, la información de esta sección corresponde al **Producto COMERCIALIZADO** y el **Producto DILUIDO AL USARLO**.

12.1 TOXICIDAD

- En base a los datos disponibles, este producto puede ser dañino o mortal para las plantas o animales terrestres o acuáticos que se hayan contaminado, dependiendo de la duración del contacto y la cantidad derramada.

12.2 PERSISTENCIA Y DEGRADABILIDAD

- Si se vierten al terreno, se espera que los componentes de este producto se biodegraden, se disipen en la tierra a través de la oxidación, o bien se degraden químicamente o se descompongan a través de la radiación solar.

12.3 POTENCIAL BIOACUMULATIVO

- No está previsto que este producto se bioacumule de manera significativa.

12.4 MOVILIDAD EN EL TERRENO

- Se espera que este producto presente cierta movilidad en el terreno.

12.5 OTROS EFECTOS ADVERSOS

- No se ha informado ninguno.

SECCIÓN 13: NOTAS SOBRE LA ELIMINACIÓN

13.1 MÉTODOS PARA EL TRATAMIENTO DE RESIDUOS

Producto COMERCIALIZADO

Elimine el producto de acuerdo con todas las reglamentaciones federales, estatales y locales.

Producto DILUIDO AL USARLO

Elimine el producto sin usar de acuerdo con todas las reglamentaciones federales, estatales y locales.

13.2 NOTAS SOBRE LA ELIMINACIÓN

- CÓDIGO RCRA DE EPA PARA RESIDUOS:** No corresponde.

SECCIÓN 14: INFORMACIÓN DE TRANSPORTE

La información de esta sección corresponde al **Producto COMERCIALIZADO**.

14.1 DESCRIPCIÓN BÁSICA SOBRE MERCANCÍAS PELIGROSAS Y OTRA INFORMACIÓN DE TRANSPORTE

- NORMAS DEL DEPARTAMENTO DEL TRANSPORTE PARA EL ENVÍO DE MATERIALES PELIGROSOS:**

Número de UN/NA	Nombre correcto de envío	Grupo de empaque	Clase de riesgo	Etiqueta	Número de la Guía de Respuestas en caso de Emergencias de Norteamérica	Estado del contaminante marino
No corresponde						

- DESIGNACIÓN DE IATA:** Este producto no está considerado como material peligroso por parte de la International Air Transport Association.
- DESIGNACIÓN DE IMO:** Este producto no está considerado como material peligroso por parte de la International Maritime Organization.

14.2 RIESGOS AMBIENTALES

- No se describe ninguno en relación con el transporte.

14.3 PRECAUCIONES ESPECIALES PARA LOS USUARIOS

- No corresponde.

14.4 TRANSPORTE A GRANEL

- No corresponde.

SECCIÓN 15: INFORMACIÓN DE REGLAMENTACIÓN

15.1 REGLAMENTACIONES ESPECÍFICAS PARA EL PRODUCTO SOBRE EL MEDIOAMBIENTE, SEGURIDAD Y SALUD

- **OTRAS REGLAMENTACIONES IMPORTANTES DE LOS EE. UU.**
 - **CATEGORÍAS DE RIESGO SARA DE LOS EE. UU. (SECCIÓN 311/312, CFR 40, 370-21):** Toxicidad aguda; Lesiones o irritación ocular graves; Corrosión/irritación cutáneas.
 - **CANTIDAD PARA INFORMAR DE LA CERCLA (RQ):** No corresponde.
 - **ESTADO DE INVENTARIO DE LA TSCA:** Todos los ingredientes de este producto están enumerados en el Inventario de la TSCA.
 - **SARA DE LOS EE. UU, SECCIÓN 313:** No corresponde.
 - **ESTADO DE LA LEY DE CALIFORNIA PARA EL AGUA POTABLE (PROPUESTA 65):** No corresponde.
- **NORMAS INTERNACIONALES**
 - **ESTADO REGULATORIO CANADIENSE: ESTADO REGULATORIO CANADIENSE:** El producto está clasificado como peligroso de acuerdo con las normas de Productos peligrosos (SOR-2015-17).
 - WHMIS 2015: Consulte la sección 2.
 - Esta SDS contiene toda la información exigida por el HPR.
 - **ESTADO DE INVENTARIO DSL/NDSL DE CANADÁ:** Todos los ingredientes de este producto están enumerados en el Inventario de DSL/NDSL.
 - **LISTAS DE SUSTANCIAS PRIORITARIAS DE LA LEY PARA LA PROTECCIÓN AMBIENTAL DE CANADÁ (CEPA):** Los ingredientes de este producto no se encuentran en la lista de sustancias prioritarias de la CEPA.

SECCIÓN 16: INFORMACIÓN ADICIONAL

16.1 INDICACIÓN DE CAMBIOS

- **FECHA DE REVISIÓN:** 11 de noviembre de 2021
- **ANULA:** 23 de enero de 2015
- **CAMBIO INDICADO:** Actualización de la información del fabricante, adición de códigos H/P; revisión y actualización regulatoria; establecer una distinción entre equipos de protección personal de uso profesional y de consumo

16.2 REFERENCIAS CLAVE A DOCUMENTOS Y FUENTES DE DATOS

- HOJAS DE DATOS DE SEGURIDAD PARA LOS INGREDIENTES DE LOS PRODUCTOS.
- Norma federal de Comunicación de riesgos de la OSHA: CFR 29, 1910.1200.

16.3 SISTEMA DE CLASIFICACIÓN DE MATERIALES PELIGROSOS

Producto **COMERCIALIZADO**

Salud	1	Calificación del Equipo de Protección Personal de HMIS: Situaciones de uso laboral: B – Lentes de seguridad y guantes. Deben usarse gafas de seguridad y guantes cuando se puedan generar salpicaduras / aerosoles.
Inflamabilidad	0	
Riesgos físicos	0	
Equipo de protección	B	

Producto **DILUIDO AL USARLO**

Salud	0	Calificación del Equipo de Protección Personal de HMIS: Situaciones de uso laboral: No se necesita equipo de protección en circunstancias normales de uso y manipulación.
Inflamabilidad	0	
Riesgos físicos	0	
Equipo de protección	No corresponde	

16.4 AVISO

Waxie's Enterprises, LLC., una empresa de Envoy Solutions (WAXIE) no garantiza, expresa ni asegura la precisión, suficiencia o integridad del material establecido en el presente documento. Es responsabilidad del usuario determinar la seguridad, toxicidad e idoneidad de su propio uso, manejo y eliminación de este producto. Debido a que el uso real por parte de otros está fuera de nuestro control, WAXIE no expresa ni implica ninguna garantía sobre los efectos de dicho uso, los resultados al haberlos obtenido o la seguridad y toxicidad de este producto, y WAXIE tampoco asume ninguna responsabilidad surgida del uso de este producto por parte de otros, al que se hace referencia en el presente documento. Los datos de esta SDS se relacionan únicamente con el material específico designado en el presente y no están relacionados con su uso en combinación con otros materiales o en otro proceso. WAXIE no recomienda mezclar este producto con otras sustancias químicas. Toda la información, recomendaciones y datos contenidos en el presente relativos a este producto se basan en la información disponible en el momento de la redacción, provenientes de fuentes técnicas reconocidas.

SECCIÓN 16: INFORMACIÓN ADICIONAL (continuación)

16.5 ABREVIATURAS Y ACRÓNIMOS

TODAS LAS SECCIONES: OSHA: Administración Federal de Seguridad y Salud Ocupacional de los EE. UU. WHMIS: Norma para el Manejo de Materiales Peligrosos en el Lugar de Trabajo de Canadá. GHS: Sistema de Clasificación Mundialmente Armonizado de Substancias Químicas.

SECCIÓN 3: Número de CAS: Número de Registro de resúmenes químicos, el cual es utilizado por la Sociedad Americana de Sustancias Químicas para identificar particularmente a una sustancia química.

SECCIÓN 5: NFPA: Asociación Nacional para la Protección contra Incendios. CLASIFICACIÓN DE NFPA SOBRE INFLAMABILIDAD: La NFPA utiliza el punto de inflamación (Fl.P.) y el punto de ebullición (BP) para clasificar los líquidos inflamables o combustibles. Clase IA: Fl.P. inferior a 73 °F y BP inferior a 100 °F. Clase IB: Fl.P. inferior a 73 °F y BP igual o superior a 100 °F. Clase IC: Fl.P. igual o superior a 73 °F y BP inferior a 100 °F. Clase II: Fl.P. igual o superior a 100 °F e inferior a 140 °F. Clase IIIA: Fl.P. igual o superior a 140 °F e inferior a 200 °F. Clase IIIB: Fl.P. igual o superior a 200 °F. CALIFICACIÓN DE MATERIALES PELIGROSOS DE NFPA: Este es un sistema de calificaciones utilizado para resumir los riesgos físicos y de salud para los bomberos. 0 = Sin riesgo significativo. 1 = Riesgo leve. 2 = Riesgo moderado. 3 = Riesgo grave. 4 = Riesgo extremo.

SECCIÓN 8: NE: No establecido. ACGIH: Conferencia Americana de Higienistas Industriales del Gobierno; TWA: Promedio ponderado en el tiempo (durante un día de trabajo de 8 horas); STEL: Límite de Exposición a Corto Plazo (un promedio de 15 minutos, no más de 4 veces al día y cada exposición con diferencia de una hora como mínimo); C: Límite máximo (la concentración no debe excederse en un ambiente laboral). PEL: Límite de exposición permisible. NIOSH: Instituto Nacional de la Seguridad y Salud Laborales; REL: Límite recomendado de exposición. ppm: Partes por millón. mg/m³: Miligramos por metro cúbico. mppcf: Millones de partículas por pie cúbico. BEI: Límite de exposición biológica. CA: California - TABLA AC-1 Límites de exposición permitidos para contaminantes en el aire. **SECCIÓN 9:** pH: Escala (del 0 al 14) utilizada para medir la acidez o alcalinidad de soluciones acuosas. Por ejemplo, un valor pH de 0 señala que se trata de una solución muy ácida, un pH de 7 señala que es una solución neutral, y un valor pH de 14 indica una solución muy alcalina (base). PUNTO DE INFLAMACIÓN: La temperatura a la cual un líquido genera suficientes vapores inflamables como para que ocurra la ignición. TEMPERATURA DE AUTOINFLAMACIÓN: La temperatura a la cual ocurre una ignición espontánea. LÍMITE EXPLOSIVO INFERIOR (LEL): La concentración mínima de vapores inflamables en el aire que pueden provocar una ignición. LÍMITE EXPLOSIVO SUPERIOR (UEL): La concentración máxima de vapores inflamables en el aire que pueden provocar una ignición. ≈: Símbolo de aproximadamente. VOC: Compuesto orgánico volátil.

SECCIÓN 11: CONDICIÓN CARCINÓGENA: NTP: Programa Nacional de Toxicología. IARC: Agencia Internacional para la Investigación del Cáncer. INFORMACIÓN DE TOXICIDAD REPRODUCTIVA: Mutágeno: Una sustancia que puede causar daños en los cromosomas de las células. Embriotoxina: Una sustancia que puede dañar el embrión en desarrollo en una mujer que sufre sobreexposición. Teratógeno: Una sustancia que puede dañar el feto en desarrollo en una mujer que sufre sobreexposición. Toxina de la reproducción: Una sustancia que puede afectar adversamente a los órganos reproductores femenino o masculino o sus funciones. DATOS TOXICOLÓGICOS: LD_{xx} o LC_{xx}: La Dosis letal o Concentración letal de una sustancia que resultaría mortal en un porcentaje dado (xx) de pruebas en animales expuestos por la vía designada de administración. Este valor se utiliza para conocer la toxicidad de sustancias químicas en humanos. TD_{xx} o TC_{xx}: La Dosis tóxica o Concentración tóxica de una sustancia que ocasionaría un efecto adverso en un porcentaje dado (xx) de pruebas en animales expuestos por la vía designada de administración.

SECCIÓN 12: EC50: Concentración de efecto (en el 50% del grupo de estudio); BOD: Demanda biológica de oxígeno. COD: Demanda química de oxígeno. ThOD: Demanda teórica de oxígeno. TLM: Límite de tolerancia media.

SECCIÓN 13: RCRA: Ley para la Conservación y Recuperación de Recursos. Las normas promulgadas de conformidad con esta ley se encuentran en el CFR 40, secciones 260 ff, y definen los requisitos de la generación, transporte, tratamiento, almacenamiento y eliminación de residuos peligrosos. Códigos de residuos RCRA de la EPA: Se definen en el CFR 40, sección 261.

SECCIÓN 15: CERCLA: Ley Integral de Compensación, Responsabilidad y Respuesta Ambiental (también conocida como "Superfund") y SARA: (Ley de Modificación y Reautorización de la Superfund). Las normas promulgadas de acuerdo con esta ley se localizan en el CFR 40, 300 ff. y brindan los requisitos de "el derecho a saber de la comunidad". TSCA: Ley de Control de Sustancias Tóxicas: Las normas que rigen la fabricación y venta de sustancias químicas, ubicadas en el CFR 40, 700-766. DSL/NDSL: Listas canadienses de Sustancias Domésticas y no Domésticas.

SECCIÓN 16: SISTEMA DE CALIFICACIÓN PARA LA IDENTIFICACIÓN DE MATERIALES PELIGROSOS: Este es un sistema de calificación utilizado por el sector para resumir los riesgos físicos y a la salud de los usuarios de sustancias químicas, y fue desarrollado originalmente por la Asociación Nacional de Pinturas y Recubrimientos. 0 = Sin riesgo significativo. 1 = Riesgo leve. 2 = Riesgo moderado. 3 = Riesgo grave. 4 = Riesgo extremo.

SAFETY DATA SHEET



This Safety Data Sheet (SDS) complies with the requirements of the U.S. Federal Occupational Safety and Health Administration Hazard Communication Standard (29 CFR 1910.1200, as updated in 2012) and equivalent state Standards. It has also been developed in accordance with the United Nations Globally Harmonized System of Classification of Chemicals (GHS) and the Canadian Workplace Hazardous Materials Information System (WHMIS). Refer to Section 16 of this document for the definition of terms and abbreviations.

SECTION 1: IDENTIFICATION

1.1 PRODUCT IDENTIFIER

- ITEM NUMBER(S): 380254
- PRODUCT NAME: **Lan-O-Tone Liquid Lotion Soap with Almond Fragrance**
 - 1 GL: 380254

1.2 RELEVANT IDENTIFIED USES OF THE MIXTURE

- RECOMMENDED USE: For personal care in occupational settings.
- IDENTIFIED USERS: For sale to, use and storage by service persons only.

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

- MANUFACTURER/
SUPPLIER: **Waxie's Enterprises, LLC, an Envoy Solutions Company**
- ADDRESS: 9353 Waxie Way; San Diego, CA 92123-1036
- BUSINESS PHONE: 1-800-995-4466
- EMERGENCY PHONE: 1-800-255-3924 (CHEMTEL; 24 hours)

1.4 OTHER PERTINENT INFORMATION

- Not applicable.

SECTION 2: HAZARD IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

OSHA/HCS Status

Classification of the Substance or Mixture Acute Toxicity (Oral, Category 5); Eye irritation (Category 2B).

2.2 LABEL ELEMENTS

Hazard Pictograms

Not applicable.

Signal Word

WARNING.

Hazard Statements

H303: May be harmful if swallowed. H320: Causes eye irritation.

Precautionary Statements

Prevention

Response

P264: Wash exposed skin thoroughly after handling.

P301+330+312: IF SWALLOWED: Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell. P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+313: If eye irritation persists: Get medical advice/attention.

Storage

(No P Code Specified): Store in a cool dry place at room temperature away from direct sunlight.

Disposal

(No P Code Specified): Triple rinse container and offer for recycling. Dispose of contents and container according to the local, city, state, and federal regulations.

2.3 OTHER PERTINENT HAZARDS NOT OTHERWISE CLASSIFIED

- OTHER POTENTIAL HEALTH EFFECTS: Not applicable.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 SUBSTANCES/MIXTURES

COMPONENT	CAS NUMBER	GHS HAZARD CLASSIFICATION FOR COMPONENT	% (w/w)
Surfactant blend	Proprietary ¹	At this concentration: Acute Toxicity (Oral, Category 5); Eye irritation (Category 2B).	3-7
Sodium Chloride	7647-14-5	Not classified as hazardous.	1-5
Sodium C14-16 Olefin Sulfonate	68439-57-6	Acute toxicity, Oral (Category 4); Skin irritation (Category 2); Serious eye irritation (Category 2A)	0.5-1.5
Other components that do not contribute physical or health hazards at the concentrations present in the product.			Balance

SECTION 4: FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES

AREA EXPOSED

Eye Contact

Flush with copious amounts of water. "Roll" eyes during flush. Check for and remove contact lenses. Seek medical attention if irritation persists.

Skin Contact

Not applicable: Product for use on skin.

Inhalation

Obtain fresh air. Blow nose.

Ingestion

If conscious only: Rinse mouth with water. Do not induce vomiting. Contact a Poison Control Center or physician for instructions.

4.2 MOST IMPORTANT ACUTE AND CHRONIC EXPOSURE SYMPTOMS

ACUTE HEALTH EFFECTS:

AREA EXPOSED

Eye Contact

May cause eye irritation.

Skin Contact

Prolonged contact has the potential to be mildly irritating.

Inhalation

May cause mild respiratory tract irritation; symptoms may include coughing and sneezing depending on volume of mist/spray inhaled.

Ingestion

May cause gastrointestinal system irritation; symptoms may include pain, sore throat, nausea and vomiting if large volumes are ingested.

CHRONIC HEALTH EFFECTS: Not applicable.

TARGET ORGANS: Eyes.

4.3 INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

- GENERAL INFORMATION:** For all exposures: In case of accident, or if you feel unwell, seek medical advice immediately. Take this document and a copy of the label to the healthcare professional.
- RECOMMENDATIONS TO PHYSICIANS:** Treat symptomatically.
- MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE:** None reported.

¹ The exact composition has been withheld as a trade secret. All relevant physical and health hazards have been declared, in accordance with regulatory requirements.

SECTION 5: FIREFIGHTING MEASURES

5.1 EXTINGUISHING MEDIA

- **RECOMMENDED FIRE EXTINGUISHING MEDIA:** Water Spray, Water Jet, Dry Powder, Foam, Carbon Dioxide, or any other.
- **UNSUITABLE FIRE EXTINGUISHING MEDIA:** None known.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

- **NFPA FLAMMABILITY CLASSIFICATION:**

NFPA Rating



NFPA Classification

Not flammable.

- **UNUSUAL HAZARDS IN FIRE SITUATIONS:**

Decomposition Products

Carbon dioxide, carbon monoxide, nitrogen and sodium compounds and irritating vapors.

Explosion Sensitivity to Mechanical Impact

Not applicable.

Explosion Sensitivity to Static Discharge

Not applicable.

5.3 ADVICE FOR FIREFIGHTERS

- Self-Contained Breathing Apparatus and full protective equipment for fire response should be worn in any situation. Move containers from fire area if it can be done without risk to personnel. Otherwise, use water spray to keep fire-exposed containers cool. Because this product is a soap, any equipment that comes in contact with this solution can be rinsed thoroughly with water and then returned to service.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES

- **RESPONSE TO INCIDENTAL RELEASES:** Personnel who have received basic chemical safety training can generally handle small-scale releases. Gloves and safety glasses should be worn when cleaning-up spills, to avoid prolonged contact and splash protection. Use caution during clean-up; contaminated floors and items may be slippery.
- **RESPONSE TO NON-INCIDENTAL RELEASES:** Generally, releases of this product will be no larger than the loss of one shipment of material. Subsequently, personnel can follow the instructions for incidental releases. As needed, respond to non-incident releases of this product (such as the simultaneous destruction of several pallets of this product) by clearing the impacted area and contacting appropriate emergency personnel.
- **RESPONSE PROCEDURES FOR ANY RELEASE:** Absorb spilled liquid with polypads or other suitable absorbent materials. Rinse area thoroughly. Because this product is a soap solution, all items that come in contact with the solution can be returned to service after rinsing.

6.2 ENVIRONMENTAL PRECAUTIONS

- Avoid response actions that can cause a release of a significant amount of product (more than 4 gallons) into the environment. Avoid accidental dispersal of spilled material into soil, waterways, and sewers.

6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

- **SPILL RESPONSE EQUIPMENT:** Polypad or other absorbent material.

6.4 REFERENCES TO OTHER SECTIONS

- **SECTION 8:** For exposure levels and detailed personal protective equipment recommendations.
- **SECTION 13:** For waste handling guidelines.

SECTION 7: HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

Hygiene Practices	Keep out of reach of children. Follow good chemical hygiene practices. Avoid inhalation of mists and sprays. Avoid contact with eyes. Clean up spilled product immediately.
Handling Practices	Employees must be appropriately trained to use this product safely as needed. Keep containers closed when not in use.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Storage Practices	Ensure all containers are correctly labeled. Store containers away from direct sunlight, sources of intense heat, or where freezing is possible. Store this product away from incompatible chemicals. Inspect all incoming containers before storage, to ensure containers are properly labeled and not damaged.
Incompatibilities	See Section 10 (Stability and Reactivity).

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

- **AIRBORNE EXPOSURE LIMITS:** Not established.
- **BIOLOGICAL OCCUPATIONAL EXPOSURE LIMITS:** Not established.

8.2 EXPOSURE CONTROLS

Engineering Controls	Use in well-ventilated environment.
Respiratory Protection	None needed in normal circumstances of use.
Hand Protection	Neoprene, PVC, or butyl gloves are recommended during spill response only. Ensure gloves are intact prior to use.
Eye Protection	Safety glasses, during spill response only.
Body Protection	Not applicable.

8.3 PERSONAL PROTECTION SYMBOLS

Hand Protection
(Spill Response)



Eye Protection
(Spill Response)



SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Pink, opaque liquid.
Odor	Almond scent.
Odor Threshold	Not determined.
pH	6.5-7.5
Melting Point/Freezing Point	Approximately 0°C (32 °F).
Initial Boiling Point/Boiling Range	Approximately 100°C (212 °F).
Flash Point	Not applicable.
Evaporation Rate (Water = 1)	Not determined.
Flammability	Not applicable.
Upper/Lower Explosive Limits	Not applicable.
Vapor Pressure	Not determined.
Vapor Density	Not determined.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Relative Density (Density)	Approx. 1.03 (8.58 lb./gallon).
Solubility	Completely soluble in water.
Partition Coefficient/n-octanol/water	Not determined.
Autoignition Temperature	Not applicable.
Decomposition Temperature	Not determined.
Viscosity	Not determined.

9.2 OTHER INFORMATION

- **VOC Information:** Not determined.
- **VOC (less water & exempt):** Not determined.
- **WEIGHT% VOC:** Not determined.

SECTION 10: STABILITY AND REACTIVITY

10.1 REACTIVITY

- Not reactive under typical conditions of use or handling.

10.2 CHEMICAL STABILITY

- Normally stable under standard temperatures and pressures.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS

- This product is not self-reactive, water-reactive, or air-reactive.
- This product will not undergo hazardous polymerization.

10.4 CONDITIONS TO AVOID

- Avoid contact with incompatible chemicals.

10.5 INCOMPATIBLE MATERIALS

- Strong oxidizing agents, cationic materials.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

- Products of thermal decomposition include oxides of carbon (i.e., carbon monoxide and carbon dioxide) as well as sodium and nitrogen compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

- **ACUTE TOXICITY:**

- **TOXICOLOGY DATA:** The following data are available for components of this product:

- **SODIUM CHLORIDE**

- LD₅₀ (Oral, Rat) = 3000 mg/kg
LC₅₀ (Inhalation, Rat) = 1 hour > 42,000
mg/m³LD₅₀ (Oral, rata) > 2000 mg/kg

- **SODIUM C14-16 OLEFIN SULFONATE**

- LD₅₀ (Oral, Rat) = 1200-2400 mg/kg
LD₅₀ (Dermal, Rabbit) > 2000 mg/kg

- **DEGREE OF IRRITATION:** Irritating to the eyes. See Section 4 (First Aid Measures) for more details. Specific data for components are as follows:
- **SENSITIZATION:** This product is not reported to have skin or respiratory sensitization effects.

SECTION 11: TOXICOLOGICAL INFORMATION (Continued)

- **REVIEW OF ACUTE SYMPTOMS AND EFFECTS BY ROUTE OF EXPOSURE:** See Section 2 (Hazards Information) and Section 4 (First-Aid Measures) for additional details.

Eyes	May irritates the eyes.
Skin	No adverse effects anticipated.
Inhalation	May cause mild respiratory tract irritation if mists are inhaled.
Ingestion	May cause gastrointestinal system irritation, especially if large quantities are ingested.

- **CHRONIC TOXICITY:**

- **CARCINOGENICITY STATUS:** The components of this product are not identified as carcinogens by IARC, NTP or OSHA.
 - **REPRODUCTIVE TOXICITY INFORMATION:** The components of this product are not reported to cause reproductive effects under typical circumstances of exposure.
 - **MUTAGENIC EFFECTS:** The components of this product are not reported to cause mutagenic effects under typical circumstances of exposure.
 - **SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE:** Not applicable.
 - **SPECIFIC TARGET ORGAN TOXICITY – REPEATED EXPOSURE:** Not applicable.
 - **ASPIRATION HAZARD:** Not applicable.
- **OTHER INFORMATION:**
 - **TOXICOLOGICALLY SYNERGISTIC PRODUCTS:** None known.
 - **ADDITIONAL TOXICOLOGY:** Not applicable.

SECTION 12: ECOLOGICAL INFORMATION

12.1 TOXICITY

- Based on available data, this product is not anticipated to be harmful or fatal to contaminated terrestrial or aquatic plants or animals. The following data are available for components of this product:

SODIUM CHLORIDE

Toxicity to Fish: 6020-7070 mg/L; 96h hours, LC50
Pimephales promelas
Toxicity to Crustacea: 340.7-469.2 mg/L; 48 hours,
EC50 Daphnia magna

SODIUM C14-16 OLEFIN SULFONATE

Toxicity to Aquatic Plants/Algae: 45 mg/L; 48 hours, EC50 Algae
Toxicity to Fish: 2.5 – 5 mg/L; 96 hours. LC50 Fish
Toxicity to Crustacea: 4.48 mg/L; 48 hours, EC50 Daphnia

12.2 PERSISTENCE AND DEGRADABILITY

- When released into the soil, the components of this product are expected to biodegrade, dissipate in soils via oxidation, or otherwise chemically degrade or photo-decompose via solar radiation.

12.3 BIOACCUMULATIVE POTENTIAL

- This product is not anticipated to bioaccumulate significantly.

12.4 MOBILITY IN SOIL

- It is expected that this product will have some mobility in soil.

12.5 OTHER ADVERSE EFFECTS

- None reported.

SECTION 13: DISPOSAL CONSIDERATION

13.1 WASTE TREATMENT METHODS

- Dispose of in accordance with local, State and Federal regulations.

13.2 DISPOSAL CONSIDERATIONS

- **EPA RCRA WASTE CODE:** Not applicable.

SECTION 14: TRANSPORT INFORMATION

14.1 DANGEROUS GOODS BASIC DESCRIPTION AND OTHER TRANSPORT INFORMATION

- DEPARTMENT OF TRANSPORTATION HAZARDOUS MATERIALS SHIPPING REGULATIONS:

UN/NA Number	Proper Shipping Name	Packing Group	Hazard Class	Label	North American Emergency Response Guide #	Marine Pollutant Status
NOT APPLICABLE						

- IATA DESIGNATION:** This product is not regulated as dangerous goods by the International Air Transport Association.
- IMO DESIGNATION:** This product is not regulated as dangerous goods by the International Maritime Organization.

14.2 ENVIRONMENTAL HAZARDS

- None described, as related to transportation.

14.3 SPECIAL PRECAUTIONS FOR USERS

- Not applicable.

14.4 TRANSPORT IN BULK

- Not applicable.

SECTION 15: REGULATORY INFORMATION

15.1 SAFETY, HEALTH, AND ENVIRONMENTAL REGULATIONS SPECIFIC FOR THE PRODUCT

- OTHER IMPORTANT U.S. REGULATIONS**

- U.S. SARA HAZARD CATEGORIES (SECTION 311/312, 40 CFR 370-21):** Acute Toxicity; Eye Damage/Irritation.
- U.S. CERCLA REPORTABLE QUANTITY (RQ):** Not applicable.
- U.S. SARA 313:** No component is subject to the reporting requirements.
- U.S. TSCA INVENTORY STATUS:** All components of this product are listed on the TSCA Inventory.
- CALIFORNIA SAFE DRINKING WATER ACT (PROPOSITION 65) STATUS:**



WARNING: This product can expose you Formaldehyde and Methanol, chemicals known to the state of California to cause cancer, birth defects, and other reproductive harm. For more information, go to www.p65Warnings.ca.gov

- INTERNATIONAL REGULATIONS**

- CANADIAN REGULATORY STATUS: CANADIAN REGULATORY STATUS:** The product is classified as hazardous under Hazardous Products Regulations (SOR-2015-17).
 - WHMIS 2015: See section 2.
 - This SDS contains all the information required by the HPR.
- CANADIAN DSL/NDSL INVENTORY STATUS:** The listed components of this product are on inventory or exempted.
- CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITY SUBSTANCES LISTS:**
The listed components of this product are not on the CEPA Priority Substances Lists.

SECTION 16: OTHER INFORMATION

16.1 INDICATION OF CHANGE

- DATE OF REVISION:** September 28, 2022
- SUPERCEDES:** Not applicable.
- CHANGE INDICATED:** Reformulated product.

16.2 KEY LITERATURE REFERENCES AND SOURCES FOR DATA

- SAFETY DATA SHEETS FOR COMPONENT PRODUCTS.
- Federal OSHA Hazard Communication Standard: 29 CFR 1910.1200.

SECTION 16: OTHER INFORMATION (Continued)

16.3 HAZARDOUS MATERIALS CLASSIFICATION SYSTEM

Product as SOLD

Health	1
Flammability	0
Physical Hazard	0
Protective Equipment	B (Spill response)

HMIS Personal Protective Equipment Rating: Occupational Use situations:
B - Safety glasses and gloves (Spill Response).

16.4 DISCLAIMER

Waxie's Enterprises, LLC, an Envoy Solutions Company (WAXIE), makes no warranty, representation or guarantee as to the accuracy, sufficiency or completeness of the material set forth herein. It is the user's responsibility to determine the safety, toxicity and suitability of their own use, handling, and disposal of this product. Since actual use by others is beyond our control, no warranty, expressed or implied, is made by WAXIE as to the effects of such use, the results to be obtained or the safety and toxicity of this product, nor does WAXIE assume any liability arising out of the use by others of this product referred to herein. The data in this SDS relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. WAXIE does not recommend blending this product with any other chemicals. All information, recommendations and data contained herein concerning this product are based upon information available at the time of writing from recognized technical sources.

16.5 ABBREVIATIONS AND ACRONYMS

ALL SECTIONS: OSHA: U.S. Federal Occupational Safety and Health Administration. WHMIS: Canadian Workplace Hazardous Materials Standard. GHS: Globally Harmonized System of Classification of Chemical Substances.

SECTION 3: CAS Number: Chemical Abstract Service Number, which is used by the American Chemical Society to uniquely identify a chemical.

SECTION 5: NFPA: National Fire Protection Association. NFPA FLAMMABILITY CLASSIFICATION: The NFPA uses the flash point (F.P.) and boiling point (BP) to classify flammable or combustible liquids. Class IA: F.P. below 73°F and BP below 100°F. Class IB: F.P. below 73°F and BP at or above 100°F. Class IC: F.P. at or above 73°F and BP at or above 100°F. Class II: F.P. at or above 100°F and below 140°F. Class IIIA: F.P. at or above 140°F and below 200°F. Class IIIB: F.P. at or above 200°F. NFPA HAZARDOUS MATERIALS RATING: This is a rating system used to summarize physical and health hazards to firefighters. 0 = No Significant Hazard. 1 = Slight Hazard. 2 = Moderate Hazard. 3 = Severe Hazard. 4 = Extreme Hazard.

SECTION 8: NE: Not established. ACGIH: American Conference of Government Industrial Hygienists; TWA: Time-Weighted Average (over an 8-hour workday); STEL: Short-Term Exposure Limit (15-minute average, no more than 4-times daily and each exposure separated by one-hour minimally); C: Ceiling Limit (concentration not to be exceeded in a work environment). PEL: Permissible Exposure Limit. NIOSH: National Institute of Occupational Safety and Health; REL: Recommended Exposure Limit. ppm: Parts per Million. mg/m³: Milligrams per cubic meter. mppcf: Millions of Particles per Cubic Foot. BEI: Biological Exposure Limit. CA: California - TABLE AC-1 Permissible Exposure Limits for Airborne Contaminants

SECTION 9: pH: Scale (0 to 14) used to rate the acidity or alkalinity of aqueous solutions. For example, a pH value of 0 indicates a strongly acidic solution, pH of 7 indicates a neutral solution, and a pH value of 14 indicates an extremely basic solution. FLASH POINT: Temperature at which a liquid generates enough flammable vapors so that ignition may occur. AUTOIGNITION TEMPERATURE: Temperature at which spontaneous ignition occurs. LOWER EXPLOSIVE LIMIT (LEL): The minimal concentration of flammable vapors in air which will sustain ignition. UPPER EXPLOSIVE LIMIT (UEL): The maximum concentration of flammable vapors in air which will sustain ignition. ≈: Approximately symbol. VOC: Volatile Organic Compound.

SECTION 11: CARCINOGENICITY STATUS: NTP: National Toxicology Program. IARC: International Agency for Research on Cancer. REPRODUCTIVE TOXICITY INFORMATION: Mutagen: Substance capable of causing chromosomal damage to cells. Embryotoxin: Substance capable of damaging the developing embryo in an overexposed female. Teratogen: Substance capable of damaging the developing fetus in an overexposed female. Reproductive toxin: Substance capable of adversely affecting male or female reproductive organs or functions. TOXICOLOGY DATA: LDxx or LCxx: The Lethal Dose or Lethal Concentration of a substance which will be fatal to a given percentage (xx) of exposed test animals by the designate route of administration. This value is used to assess the toxicity of chemical substances to humans. TDxx or TCxx: The Toxic Dose or Toxic Concentration of a substance which will cause an adverse effect to a given percentage (xx) of exposed test animals by the designate route of administration.

SECTION 12: EC50: Effect Concentration (on 50% of study group); BOD: Biological Oxygen Demand. COD: Chemical Oxygen Demand. ThOD: Theoretical Oxygen Demand. TLM: Median Tolerance Limit.

SECTION 13: RCRA: Resource Conservation and Recovery Act. The regulations promulgated under this Act are found in 40 CFR, Sections 260 ff, and define the requirements of hazardous waste generation, transport, treatment, storage, and disposal. EPA RCRA Waste Codes: Defined in 40 CFR Section 261.

SECTION 15: CERCLA: Comprehensive Environmental Response Compensation and Liability Act (a.k.a. "Superfund") and SARA: (Superfund Amendment and Reauthorization Act). The regulations promulgated under this Act are located under 40 CFR 300 ff. and provide "community right-to-know" requirements. TSCA: Toxic Substances Control Act: Rules regulating the manufacture and sale of chemicals found in 40 CFR 700-766. DSL/NDL: Canadian Domestic Substances and Non-Domestic Substances Lists.

SECTION 16: HAZARDOUS MATERIALS IDENTIFICATION SYSTEM RATING: This is a rating system used by industry to summarize physical and health hazards to chemical users and was originally developed by the National Paint and Coating Association. 0 = No Significant Hazard. 1 = Slight Hazard. 2 = Moderate Hazard. 3 = Severe Hazard. 4 = Extreme Hazard.

HOJA DE DATOS DE SEGURIDAD



Esta Hoja de datos de seguridad (SDS) cumple con los requisitos de la Norma federal de comunicación de riesgos de la Administración de Seguridad y Salud Ocupacional de los EE. UU. (CFR 29, 1910.1200, conforme a la actualización de 2012) y las normas estatales equivalentes. También ha sido desarrollada de acuerdo con el Sistema Mundialmente Armonizado de Clasificación de Productos Químicos de las Naciones Unidas (GHS) y el Sistema de Información de Materiales Peligrosos en el Lugar de Trabajo, de Canadá (WHMIS). Consulte la sección 16 de este documento para conocer la definición de los términos y abreviaturas.

SECCIÓN 1: IDENTIFICACIÓN

1.1 IDENTIFICADOR DEL PRODUCTO

- NÚMERO(S) DE ARTÍCULO: 380254
- NOMBRE DEL PRODUCTO: **Lan-O-Tone Jabón en loción líquido con fragancia a almendras**
 - 1 GL: 380254

1.2 USOS RELEVANTES E IDENTIFICADOS DE LA MEZCLA

- USO RECOMENDADO: Para cuidado personal en entornos laborales.
- USUARIOS IDENTIFICADOS: Para la venta, uso y almacenamiento solo por parte del personal de servicio.

1.3 DETALLES DEL PROVEEDOR DE LA HOJA DE DATOS DE SEGURIDAD

- FABRICANTE/
PROVEEDOR: **Waxie's Enterprises, LLC., una empresa de Envoy Solutions**
- DIRECCIÓN: 9353 Waxie Way; San Diego, CA 92123-1036
- TELÉFONO DE OFICINA: 1-800-995-4466
- TELÉFONO DE EMERGENCIAS: 1-800-255-3924 (CHEMTEL; las 24 horas)

1.4 OTRA INFORMACIÓN PERTINENTE

- No corresponde

SECCIÓN 2: IDENTIFICACIÓN DE RIESGOS

2.1 CLASIFICACIÓN DE LA SUSTANCIA O MEZCLA

Estado según la OSHA/HCS

CLASIFICACIÓN DE LA SUSTANCIA O MEZCLA Toxicidad aguda (oral, categoría 5); Irritación de los ojos (categoría 2B)

2.2 ELEMENTOS DE LA ETIQUETA

Pictogramas de riesgo	No corresponde.
Palabra de advertencia	ATENCIÓN.
Declaraciones del riesgo	H303: Puede ser nocivo en caso de ingestión. H320: Provoca irritación ocular.
Declaraciones de precaución	
Prevención	P264: Lavarse la piel expuesta cuidadosamente después de la manipulación.
Respuesta	P301+330+312: En caso de ingestión: enjuagar la boca. Llamar un centro de toxicología o médico si la persona se encuentra mal. P305+351+338: EN CASO DE CONTACTO CON LOS OJOS: Enjuagar con agua cuidadosamente durante varios minutos. Quitar los lentes de contacto cuando estén presentes y pueda hacerse con facilidad. Proseguir con el lavado. P337+313: Si la irritación ocular persiste: Consultar a un médico.
Almacenamiento	(No se especifica el código P): Almacene en un lugar fresco y seco a temperatura ambiente, lejos de la luz solar directa.
Eliminación	(No se especifica el código P): Triple enjuague contenedor y oferta para reciclar. Deseche el contenido y el recipiente de acuerdo con las regulaciones locales, de la ciudad, estatales y federales.

2.3 OTROS RIESGOS PERTINENTES NO CLASIFICADOS DE OTRA MANERA

- OTROS POSIBLES EFECTOS EN LA SALUD: No corresponde.

SECCIÓN 3: COMPOSICIÓN/INFORMACIÓN SOBRE INGREDIENTES

3.1 SUSTANCIAS/MEZCLAS

COMPONENTE	NÚMERO DE CAS	CLASIFICACIÓN DE RIESGO DE GHS POR INGREDIENTE	% (w/w)
Mezcla de surfactantes	Patentado ¹	A esta concentración: Toxicidad aguda (oral, categoría 5); Irritación ocular (Categoría 2B).	3-7
Cloruro de sodio	7647-14-5	No clasificado como peligroso.	1-5
Sulfonato de olefina de sodio C14-16	68439-57-6	Toxicidad aguda, Oral (Categoría 4); Irritación de la piel (Categoría 2); Irritación ocular grave (Categoría 2A)	0,5-1,5
Otros componentes que no constituyen riesgos a la salud y físicos en las concentraciones presentes en la formulación.			Balance

SECCIÓN 4: MEDIDAS DE PRIMEROS AUXILIOS

4.1 DESCRIPCIÓN DE LAS MEDIDAS DE PRIMEROS AUXILIOS

ÁREA EXPUESTA

Contacto con los ojos

Enjuague con abundante agua. Mire hacia arriba mientras se enjuaga los ojos. Quítese los lentes de contacto. Si la irritación persiste, busque atención médica.

Contacto con la piel

No corresponde: Producto para uso en la piel.

Inhalación

Salga al aire fresco. Suene la nariz.

Ingestión

Si está consciente: Enjuáguese la boca con agua. No induzca el vómito. Póngase en contacto con un Centro para el Control de Envenenamientos o con un médico y siga las indicaciones.

4.2 SÍNTOMAS AGUDOS Y CRÓNICOS MÁS IMPORTANTES COMO RESULTADO DE UNA EXPOSICIÓN

• EFECTOS AGUDOS EN LA SALUD:

ÁREA EXPUESTA

Contacto con los ojos

Puede provocar irritación en los ojos.

Contacto con la piel

El contacto prolongado puede tener un efecto de irritación moderado.

Inhalación

Puede ocasionar irritación moderada en las vías respiratorias. Los síntomas pueden incluir tos y estornudos dependiendo de la cantidad de rocío o spray inhalado.

Ingestión

Puede ocasionar irritación gastrointestinal. Los síntomas pueden incluir dolor, garganta irritada, náuseas y vómito si se ingieren grandes volúmenes.

• EFECTOS CRÓNICOS EN LA SALUD: No corresponde.

• ÓRGANOS QUE AFECTA: Ojos.

4.3 INDICACIÓN DE ATENCIÓN MÉDICA INMEDIATA Y TRATAMIENTO ESPECIAL NECESARIO:

- **INFORMACIÓN GENERAL: Para toda clase de exposiciones:** En caso de accidente, o si no se siente bien, busque atención médica de inmediato. Llévese este documento y una copia de la etiqueta a su consulta con el médico.
- **RECOMENDACIONES PARA EL MÉDICO:** Dé tratamiento de acuerdo con los síntomas.
- **AFECCIONES MÉDICAS QUE PUEDEN AGRAVARSE CON UNA SOBREEXPOSICIÓN:** No se ha informado ninguna.

¹ El exacto de la composición no se revela por ser un secreto comercial. Se han declarado todos los riesgos físicos y a la salud pertinentes, de conformidad con los requisitos reglamentarios.

SECCIÓN 5: MEDIDAS CONTRA INCENDIOS

5.1 MEDIO PARA APAGAR UN INCENDIO

- **MEDIO RECOMENDADO PARA APAGAR UN INCENDIO:** Spray de agua, chorro de agua, polvo seco, espuma, dióxido de carbono, o cualquier otro medio.
- **MEDIOS NO ADECUADOS PARA APAGAR UN INCENDIO:** Ninguno conocido.

5.2 RIESGOS ESPECIALES QUE PUEDEN SURGIR DEBIDO A LA SUSTANCIA O MEZCLA

- **CLASIFICACIÓN DE NFPA SOBRE INFLAMABILIDAD:**

Calificación de NFPA



Clasificación de NFPA No inflamable.

- **RIESGOS INUSUALES EN CASO DE INCENDIO:**

Productos de descomposición

Dióxido de carbono, monóxido de carbono, compuestos de nitrógeno, y sodio y vapores irritantes.

Susceptibilidad a explosiones en caso de impacto mecánico

No corresponde.

Susceptibilidad a explosiones en caso de descarga estática

No corresponde.

5.3 SUGERENCIAS PARA LOS BOMBEROS

- En cualquier situación, debe usar un equipo de protección completo y aparatos de respiración autónomos para apagar incendios. Mueva los contenedores del área del incendio si es posible hacerlo sin poner en riesgo al personal. En caso contrario, utilice spray de agua para mantener frescos los contenedores expuestos al fuego. Debido a que este producto es un agente de limpieza, el equipo que entre en contacto con esta solución se puede enjuagar bien con agua y luego puede volverse a usar.

SECCIÓN 6: MEDIDAS EN CASO DE DERRAME ACCIDENTAL

6.1 PRECAUCIONES PERSONALES, EQUIPO DE PROTECCIÓN Y PROCEDIMIENTOS DE EMERGENCIA

- **RESPUESTA ANTE DERRAMES ACCIDENTALES:** El personal que ha recibido capacitación básica para la manipulación de sustancias químicas puede manejar los derrames a pequeña escala. Es necesario utilizar guantes y lentes de seguridad al limpiar los derrames, para evitar el contacto prolongado y proteger de salpicaduras. Mientras limpia, tenga cuidado; los pisos y objetos contaminados pueden estar resbalosos.
- **RESPUESTA ANTE DERRAMES NO ACCIDENTALES:** En general, los derrames de este material no irán más allá de la pérdida de un envío de material. Por lo tanto, el personal puede seguir las instrucciones en caso de derrames accidentales. Según corresponda, responda a los derrames no accidentales de sustancias cuando haya un derrame de este producto (como la destrucción simultánea de varias paletas del producto) limpiando el área afectada y poniéndose en contacto con el personal de emergencias adecuado.
- **PROCEDIMIENTOS DE RESPUESTA ANTE CUALQUIER DERRAME:** Absorba el líquido derramado con polypads u otros materiales absorbentes adecuados. Enjuague bien el área. Debido a que este producto es un agente de limpieza, todos los objetos que entren en contacto con la solución pueden volver a usarse después de enjuagarlos.

6.2 PRECAUCIONES AMBIENTALES

- Evite las acciones de respuesta que puedan ocasionar el derrame de una cantidad significativa del producto (más de 4 galones) en el medioambiente. Evite la dispersión accidental del material derramado en la tierra, vías acuáticas y alcantarillados.

6.3 MÉTODOS Y MATERIALES PARA LA CONTENCIÓN Y LABORES DE LIMPIEZA

- **EQUIPO DE RESPUESTA EN CASO DE DERRAME:** Polypad u otro material absorbente.

6.4 REFERENCIAS A OTRAS SECCIONES

- **SECCIÓN 8:** Para los niveles de exposición y recomendaciones detalladas del equipo de protección personal.
- **SECCIÓN 13:** Para conocer las pautas en el manejo de desperdicios.

SECCIÓN 7: MANIPULACIÓN Y ALMACENAMIENTO

7.1 PRECAUCIONES PARA EL MANEJO SEGURO

Prácticas de higiene	Manténgase fuera del alcance de los niños. Siga las buenas prácticas de higiene química. Evite la inhalación de rocíos y sprays. Evite el contacto con los ojos. Limpie el producto derramado de inmediato.
Prácticas de manejo	Los empleados deben estar debidamente capacitados para utilizar este producto de la manera más segura según sea necesario. Mantenga los recipientes cerrados cuando no los use.

7.2 CONDICIONES PARA EL ALMACENAMIENTO SEGURO, INCLUYENDO CUALQUIER INCOMPATIBILIDAD

Prácticas de almacenamiento	Asegúrese de que todos los envases estén etiquetados de manera correcta. Conserve los envases fuera de la luz solar directa, de las fuentes intensas de calor o cuando sea posible que se congelen. Conserve este producto alejado de sustancias químicas incompatibles. Revise los contenedores entrantes antes de guardar, para asegurarse de que estén debidamente etiquetados y no se encuentren dañados.
Incompatibilidades	Consulte la sección 10 (estabilidad y reactividad).

SECCIÓN 8: CONTROLES DE EXPOSICIÓN/PROTECCIÓN PERSONAL

8.1 PARÁMETROS DE CONTROL

- LÍMITES DE EXPOSICIÓN EN EL AIRE: No establecido.
- LÍMITES DE EXPOSICIÓN BIOLÓGICA EN EL TRABAJO: No establecido.

8.2 CONTROLES DE EXPOSICIÓN

Controles de ingeniería	Utilice en ambientes bien ventilados.
Protección respiratoria	No es necesario en circunstancias de uso normal.
Protección de las manos	Se recomiendan guantes de neopreno, PVC o butilo durante la respuesta para derrames únicamente. Asegúrese de que los guantes estén intactos antes de usarlos.
Protección de los ojos	Lentes de seguridad, durante la respuesta en caso de derrames únicamente.
Protección corporal	No corresponde.

8.3 SÍMBOLOS DE PROTECCIÓN PERSONAL

Protección de las manos
(Repuesta en caso de derrames)



Protección de los ojos
(Repuesta en caso de derrames)



SECCIÓN 9: PROPIEDADES FÍSICAS Y QUÍMICAS

9.1 INFORMACIÓN SOBRE LAS PROPIEDADES FÍSICAS Y QUÍMICAS BÁSICAS

Aspecto	Líquido rosa, opaco.
Olor	Aroma de almendras.
Umbral olfativo	No determinado.
pH:	6,5-7,5
Punto de fusión y punto de congelamiento	Aproximadamente. 0°C (32 °F).
Punto de ebullición inicial y rango de ebullición	Aproximadamente 100°C (212 °F).
Punto de inflamación	No corresponde.
Tasa de evaporación (Agua = 1)	No determinado.
Inflamabilidad	No corresponde.
Límites superiores e inferiores de explosividad	No corresponde.
Presión de vapor	No determinado.
Densidad del vapor	No determinado.

SECCIÓN 9: PROPIEDADES FÍSICAS Y QUÍMICAS (continuación)

Densidad relativa (Densidad)	1.03 (8,59 lb/galón).
Solubilidad	Totalmente soluble en agua.
Coefficiente de partición n-octanol/agua	No determinado.
Temperatura de autoinflamación	No corresponde.
Temperatura de descomposición	No determinado.
Viscosidad	No determinado.

9.2 INFORMACIÓN ADICIONAL

- **Información VOC:** No determinado.
- **VOC (menos agua y exento de solventes):** No determinado.
- **PESO % VOC:** No determinado.

SECCIÓN 10: ESTABILIDAD Y REACTIVIDAD

10.1 REACTIVIDAD

- No es reactivo en condiciones normales de uso o manipulación.

10.2 ESTABILIDAD QUÍMICA

- Es normalmente estable en condiciones estándar de temperatura y presiones.

10.3 POSIBILIDAD DE REACCIONES PELIGROSAS

- Este producto no es autoreactivo, ni reactivo al agua o al aire.
- Este producto no experimentará una polimerización peligrosa.

10.4 CONDICIONES QUE SE DEBEN EVITAR

- Evite el contacto con sustancias químicas incompatibles.

10.5 MATERIALES INCOMPATIBLES

- Agentes oxidantes fuertes, materiales catiónicos.

10.6 PRODUCTOS DE DESCOMPOSICIÓN PELIGROSA

- Los productos de descomposición térmica de este material incluyen óxidos de carbono (es decir, monóxido de carbono y dióxido de carbono) así como también compuestos de sodio y nitrógeno.

SECCIÓN 11: INFORMACIÓN TOXICOLÓGICA

11.1 INFORMACIÓN SOBRE LOS EFECTOS TOXICOLÓGICOS

- **TOXICIDAD AGUDA:**
 - **DATOS DE TOXICIDAD:** Los siguientes datos están disponibles para los componentes de este producto:

CLORURO DE SODIO LD50 (oral, rata) = 3000 mg/kg LC50 (Inhalación, Rata) = 1 hora > 42,000 mg/m ³ LD50 (Oral, rata) > 2000 mg/kg	SODIO C14-16 OLEFINA SULFONATO LD50 (oral, rata) = 1200-2400 mg/kg LD50 (cutánea, conejo) > 2000 mg/kg
--	---
 - **GRADO DE IRRITACIÓN:** Irritante para los ojos. Consulte la sección 4 (medidas de primeros auxilios) para obtener más información.:
 - **SENSIBILIZACIÓN:** No se ha informado que este producto tenga efectos de sensibilización cutánea o respiratoria.

SECCIÓN 11: INFORMACIÓN TOXICOLÓGICA (continuación)

- **REVISIÓN DE SÍNTOMAS AGUDOS Y EFECTOS POR LA VÍA DE EXPOSICIÓN:** Consulte la sección 2 (información de riesgos) y sección 4 (medidas de primeros auxilios) para obtener más detalles.

Ojos	Puede irritar los ojos.
Piel	No se anticipan efectos adversos.
Inhalación	Puede ocasionar irritación leve en las vías respiratorias si se inhalan vapores.
Ingestión	Puede causar irritación del sistema gastrointestinal, en especial si se ingieren grandes cantidades.

- **TOXICIDAD CRÓNICA:**

- **CONDICIÓN CARCINÓGENA:** Los componentes de este producto no están identificados como cancerígenos por IARC, NTP u OSHA.
- **INFORMACIÓN DE TOXICIDAD REPRODUCTIVA:** No se ha informado que los componentes de este producto ocasionen efectos reproductivos en condiciones normales de exposición.
- **EFECTOS MUTAGÉNICOS:** No se ha informado que los componentes de este producto ocasionen efectos reproductivos en condiciones normales de exposición.
- **TOXICIDAD ESPECÍFICA EN ÓRGANOS AFECTADOS POR EXPOSICIÓN ÚNICA:** No corresponde.
- **TOXICIDAD ESPECÍFICA EN ÓRGANOS AFECTADOS POR EXPOSICIÓN REPETIDA:** No corresponde.
- **RIESGO DE ASPIRACIÓN:** No corresponde.

- **INFORMACIÓN ADICIONAL:**

- **PRODUCTOS TOXICOLÓGICOS SINÉRGICOS:** Ninguno conocido.
- **TOXICOLOGÍA ADICIONAL:** No corresponde.

SECCIÓN 12: INFORMACIÓN ECOLÓGICA

12.1 TOXICIDAD

- En base a los datos disponibles, no está previsto que este producto sea dañino o fatal para plantas o animales acuáticos o terrestres que se hayan contaminado. Los siguientes datos están disponibles para los componentes de este producto:

CLORURO DE SODIO

Toxicidad para peces: 6020-7070 mg/L; 96h horas,
CL50 Pimephales promelas
Toxicidad para crustáceos: 340,7-469,2 mg/L; 48
horas, EC50 Daphnia magna

SODIO C14-16 OLEFINA SULFONATO

Toxicidad para plantas acuáticas/algas: 45 mg/L; 48 horas, EC50
Algas
Toxicidad para peces: 2,5 – 5 mg/L; 96 horas LC50 Pescado
Toxicidad para crustáceos: 4,48 mg/L; 48 horas, EC50 Dafnia

12.2 PERSISTENCIA Y DEGRADABILIDAD

- Si se vierten al terreno, se espera que los componentes de este producto se biodegraden, se disipen en la tierra a través de la oxidación, o bien se degraden químicamente o se descompongan a través de la radiación solar.

12.3 POTENCIAL BIOACUMULATIVO

- No está previsto que este producto se bioacumule de manera significativa.

12.4 MOVILIDAD EN EL TERRENO

- Se espera que este producto presente cierta movilidad en el terreno.

12.5 OTROS EFECTOS ADVERSOS

- No se ha informado ninguno.

SECCIÓN 13: NOTAS SOBRE LA ELIMINACIÓN

13.1 MÉTODOS PARA EL TRATAMIENTO DE RESIDUOS

- Elimine el producto de acuerdo con todas las reglamentaciones federales, estatales y locales.

13.2 NOTAS SOBRE LA ELIMINACIÓN

- **CÓDIGO RCRA DE EPA PARA RESIDUOS:** No corresponde.

SECCIÓN 14: INFORMACIÓN DE TRANSPORTE

14.1 DESCRIPCIÓN BÁSICA SOBRE MERCANCÍAS PELIGROSAS Y OTRA INFORMACIÓN DE TRANSPORTE

- **NORMAS DEL DEPARTAMENTO DEL TRANSPORTE PARA EL ENVÍO DE MATERIALES PELIGROSOS:**

Número de UN/NA	Nombre correcto de envío	Grupo de empaque	Clase de riesgo	Etiqueta	Número de la Guía de Respuestas en caso de Emergencias de Norteamérica	Estado del contaminante marino
No corresponde						

- **DESIGNACIÓN DE IATA:** Este producto no está considerado como material peligroso por parte de la International Air Transport Association.
- **DESIGNACIÓN DE IMO:** Este producto no está considerado como material peligroso por parte de la International Maritime Organization.

14.2 RIESGOS AMBIENTALES

- No se describe ninguno en relación con el transporte.

14.3 PRECAUCIONES ESPECIALES PARA LOS USUARIOS

- No corresponde.

14.4 TRANSPORTE A GRANEL

- No corresponde.

SECCIÓN 15: INFORMACIÓN DE REGLAMENTACIÓN

15.1 REGLAMENTACIONES ESPECÍFICAS PARA EL PRODUCTO SOBRE EL MEDIOAMBIENTE, SEGURIDAD Y SALUD

- **OTRAS REGLAMENTACIONES IMPORTANTES DE LOS EE. UU.**

- **CATEGORÍAS DE RIESGO SARA DE LOS EE. UU. (SECCIÓN 311/312, CFR 40, 370-21):** Toxicidad aguda; Daño/irritación ocular.
- **CANTIDAD PARA INFORMAR (RQ) DE LA CERCLA DE LOS EE. UU.:** No corresponde.
- **SECCIÓN SARA 313 DE LOS EE. UU.:** Ninguno de los componentes está sujeto a los requisitos de informe.
- **ESTADO DE INVENTARIO DE LA TSCA DE LOS EE. UU.:** Todos los ingredientes de este producto están enumerados en el Inventario de la TSCA.
- **ESTADO DE LA LEY DE CALIFORNIA PARA EL AGUA POTABLE (PROPUESTA 65):**



ADVERTENCIA: Este producto puede exponerlo a formaldehído y metanol, sustancias químicas conocidas en el estado de California como causantes de cáncer, defectos de nacimiento y otros daños reproductivos. Para obtener más información, visite www.p65Warnings.ca.gov

- **NORMAS INTERNACIONALES**

- **ESTADO REGULATORIO CANADIENSE: ESTADO REGULATORIO CANADIENSE:** El producto no está clasificado como peligroso de acuerdo con las Normas para Productos Peligrosos (SOR-2015-17).
 - WHMIS 2015: Ver sección 2.
 - Esta SDS contiene toda la información exigida por el HPR.
- **ESTADO DE INVENTARIO DSL/NDSL DE CANADÁ:** Todos los componentes de este producto están enumerados en el Inventario de DSL/NDSL.
- **LISTAS DE SUSTANCIAS PRIORITARIAS DE LA LEY PARA LA PROTECCIÓN AMBIENTAL DE CANADÁ (CEPA):** Los componentes de este producto no se encuentran en la lista de sustancias prioritarias de la CEPA.

SECCIÓN 16: INFORMACIÓN ADICIONAL

16.1 INDICACIÓN DE CAMBIOS

- **FECHA DE REVISIÓN:** 28 de septiembre de 2022
- **ANULA:** No corresponde.
- **CAMBIO INDICADO:** Producto reformulado.

16.2 REFERENCIAS CLAVE A DOCUMENTOS Y FUENTES DE DATOS

- HOJAS DE DATOS DE SEGURIDAD PARA LOS INGREDIENTES DE LOS PRODUCTOS.
- Norma federal de Comunicación de riesgos de la OSHA: CFR 29, 1910.1200.

16.3 SISTEMA DE CLASIFICACIÓN DE MATERIALES PELIGROSOS

Producto COMERCIALIZADO

Salud	1
Inflamabilidad	0
Riesgos físicos	0
Equipo de protección	B (Repuesta en caso de derrames)

Calificación del Equipo de Protección Personal de HMIS:
Situaciones de uso laboral: B – Lentes de seguridad y guantes).

16.4 DESCARGO DE RESPONSABILIDAD

Waxie's Enterprises, LLC., una empresa de Envoy Solutions (WAXIE) no garantiza, expresa ni asegura la precisión, suficiencia o integridad del material establecido en el presente documento. Es responsabilidad del usuario determinar la seguridad, toxicidad e idoneidad de su propio uso, manejo y eliminación de este producto. Debido a que el uso real por parte de otros está fuera de nuestro control, WAXIE no expresa ni implica ninguna garantía sobre los efectos de dicho uso, los resultados al haberlos obtenido o la seguridad y toxicidad de este producto, y WAXIE tampoco asume ninguna responsabilidad surgida del uso de este producto por parte de otros, al que se hace referencia en el presente documento. Los datos de esta SDS se relacionan únicamente con el material específico designado en el presente y no están relacionados con su uso en combinación con otros materiales o en otro proceso. WAXIE no recomienda mezclar este producto con otras sustancias químicas. Toda la información, recomendaciones y datos contenidos en el presente relativos a este producto se basan en la información disponible en el momento de la redacción, provenientes de fuentes técnicas reconocidas.

16.5 ABREVIATURAS Y ACRÓNIMOS

TODAS LAS SECCIONES: OSHA: Administración Federal de Seguridad y Salud Ocupacional de los EE. UU. WHMIS: Norma para el Manejo de Materiales Peligrosos en el Lugar de Trabajo de Canadá. GHS: Sistema de Clasificación Mundialmente Armonizado de Sustancias Químicas.

SECCIÓN 3: Número de CAS: Número de Registro de resúmenes químicos, el cual es utilizado por la Sociedad Americana de Sustancias Químicas para identificar particularmente a una sustancia química.

SECCIÓN 5: NFPA: Asociación Nacional para la Protección contra Incendios. **CLASIFICACIÓN DE NFPA SOBRE INFLAMABILIDAD:** La NFPA utiliza el punto de inflamación (F.P.) y el punto de ebullición (BP) para clasificar los líquidos inflamables o combustibles. Clase IA: F.P. inferior a 73 °F y BP inferior a 100 °F. Clase IB: F.P. inferior a 73 °F y BP igual o superior a 100 °F. Clase IC: F.P. igual o superior a 73 °F y BP igual o superior a 100 °F. Clase II: F.P. igual o superior a 100 °F e inferior a 140 °F. Clase IIIA: F.P. igual o superior a 140 °F e inferior a 200 °F. Clase IIIB: F.P. igual o superior a 200 °F. **CALIFICACIÓN DE MATERIALES PELIGROSOS DE NFPA:** Este es un sistema de calificaciones utilizado para resumir los riesgos físicos y de salud para los bomberos. 0 = Sin riesgo significativo. 1 = Riesgo leve. 2 = Riesgo moderado. 3 = Riesgo grave. 4 = Riesgo extremo.

SECCIÓN 8: NE: No establecido. **ACGIH:** Conferencia Americana de Higienistas Industriales del Gobierno; **TWA:** Promedio ponderado en el tiempo (durante un día de trabajo de 8 horas); **STEL:** Límite de Exposición a Corto Plazo (un promedio de 15 minutos, no más de 4 veces al día y cada exposición con diferencia de una hora como mínimo); **C:** Límite máximo (la concentración no debe excederse en un ambiente laboral). **PEL:** Límite de exposición permisible. **NIOSH:** Instituto Nacional de la Seguridad y Salud Laborales; **REL:** Límite recomendado de exposición. **ppm:** Partes por millón. **mg/m³:** Miligramos por metro cúbico. **mppcf:** Millones de partículas por pie cúbico. **BEI:** Límite de exposición biológica. **CA:** California - TABLA AC-1 Límites de exposición permitidos para contaminantes en el aire.

SECCIÓN 9: pH: Escala (del 0 al 14) utilizada para medir la acidez o alcalinidad de soluciones acuosas. Por ejemplo, un valor pH de 0 señala que se trata de una solución muy ácida, un pH de 7 señala que es una solución neutral, y un valor pH de 14 indica una solución muy alcalina (base). **PUNTO DE INFLAMACIÓN:** La temperatura a la cual un líquido genera suficientes vapores inflamables como para que ocurra la ignición. **TEMPERATURA DE AUTOINFLAMACIÓN:** La temperatura a la cual ocurre una ignición espontánea. **LÍMITE EXPLOSIVO INFERIOR (LEL):** La concentración mínima de vapores inflamables en el aire que pueden provocar una ignición. **LÍMITE EXPLOSIVO SUPERIOR (UEL):** La concentración máxima de vapores inflamables en el aire

que pueden provocar una ignición. ≈: Símbolo de aproximadamente. **VOC:** Compuesto orgánico volátil.

SECCIÓN 11: CONDICIÓN CARCINÓGENA: NTP: Programa Nacional de Toxicología. IARC: Agencia Internacional para la Investigación del Cáncer. **INFORMACIÓN DE TOXICIDAD REPRODUCTIVA:** Mutágeno: Una sustancia que puede causar daños en los cromosomas de las células. Embriotoxina: Una sustancia que puede dañar el embrión en desarrollo en una mujer que sufre sobreexposición. Teratógeno: Una sustancia que puede dañar el feto en desarrollo en una mujer que sufre sobreexposición. Toxina de la reproducción: Una sustancia que puede afectar adversamente a los órganos reproductores femenino o masculino o sus funciones. **DATOS TOXICOLÓGICOS:** LD_{xx} o LC_{xx}: La Dosis letal o Concentración letal de una sustancia que resultaría mortal en un porcentaje dado (xx) de pruebas en animales expuestos por la vía designada de administración. Este valor se utiliza para conocer la toxicidad de sustancias químicas en humanos. TD_{xx} o TC_{xx}: La Dosis tóxica o Concentración tóxica de una sustancia que ocasionaría un efecto adverso en un porcentaje dado (xx) de pruebas en animales expuestos por la vía designada de administración.

SECCIÓN 12: EC₅₀: Concentración de efecto (en el 50% del grupo de estudio); **BOD:** Demanda biológica de oxígeno. **COD:** Demanda química de oxígeno. **ThOD:** Demanda teórica de oxígeno. **TLM:** Límite de tolerancia media.

SECCIÓN 13: RCRA: Ley para la Conservación y Recuperación de Recursos. Las normas promulgadas de conformidad con esta ley se encuentran en el CFR 40, secciones 260 ff, y definen los requisitos de la generación, transporte, tratamiento, almacenamiento y eliminación de residuos peligrosos. **Códigos de residuos RCRA de la EPA:** Se definen en el CFR 40, sección 261.

SECCIÓN 15: CERCLA: Ley Integral de Compensación, Responsabilidad y Respuesta Ambiental (también conocida como "Superfund") y **SARA:** (Ley de Modificación y Reautorización de la Superfund). Las normas promulgadas de acuerdo con esta ley se localizan en el CFR 40, 300 ff, y brindan los requisitos de "el derecho a saber de la comunidad". **TSCA:** Ley de Control de Sustancias Tóxicas: Las normas que rigen la fabricación y venta de sustancias químicas, ubicadas en el CFR 40, 700-766. **DSL/NDL:** Listas canadienses de Sustancias Domésticas y no Domésticas.

SECCIÓN 16: SISTEMA DE CALIFICACIÓN PARA LA IDENTIFICACIÓN DE MATERIALES PELIGROSOS: Este es un sistema de calificación utilizado por el sector para resumir los riesgos físicos y a la salud de los usuarios de sustancias químicas, y fue desarrollado originalmente por la Asociación Nacional de Pinturas y Recubrimientos. 0 = Sin riesgo significativo. 1 = Riesgo leve. 2 = Riesgo moderado. 3 = Riesgo grave. 4 = Riesgo extremo.

SAFETY DATA SHEET



This Safety Data Sheet (SDS) complies with the requirements of the U.S. Federal Occupational Safety and Health Administration Hazard Communication Standard (29 CFR 1910.1200, as updated in 2012) and equivalent state Standards. It has also been developed in accordance with the United Nations Globally Harmonized System of Classification of Chemicals (GHS) and the Canadian Workplace Hazardous Materials Information System (WHMIS). Refer to Section 16 of this document for the definition of terms and abbreviations.

SECTION 1: IDENTIFICATION

1.1 PRODUCT IDENTIFIER

- ITEM NUMBER(S): 950151
- PRODUCT NAME: **Sparkle Glass & Surface Cleaner**
 - 19 oz cans/12 per case

1.2 RELEVANT IDENTIFIED USES OF THE MIXTURE

- RECOMMENDED USE: Glass and surface cleaning.
- IDENTIFIED USERS: For sale to, use and storage by service persons only.

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

- MANUFACTURER/
SUPPLIER: **Waxie's Enterprises, LLC, an Envoy Solutions Company**
- ADDRESS: 9353 Waxie Way; San Diego, CA 92123-1036
- BUSINESS PHONE: 1-800-995-4466
- EMERGENCY PHONE: 1-800-255-3924 (CHEMTEL; 24 hours)

1.4 OTHER PERTINENT INFORMATION

- This product is sold and used in relatively small volumes. This SDS has been developed to address safety concerns affecting small volume handling situations and those involving warehouses and other workplaces where large numbers of these items are stored or distributed.

SECTION 2: HAZARD IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:

OSHA/HCS Status:

Classification of the Substance or Mixture: Gases Under Pressure (Compressed Gases)

2.2 LABEL ELEMENTS: ELEMENT

Hazard Pictograms



Signal Word

WARNING.

Hazard Statements

H280: Contains gas under pressure: may explode if heated

Precautionary Statements

Prevention

Not applicable.

Response

Not applicable.

Storage

P410+403: Protect from sunlight. Store in a well-ventilated place.

Disposal

Not applicable.

2.3 OTHER PERTINENT DATA ON CHEMICAL AND PHYSICAL HAZARDS:

- Not applicable.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 SUBSTANCES/MIXTURES

CHEMICAL	CAS NUMBER	% (w/w) ¹
Ethanol	64-17-5	2.5-10
Ethanol, 2-butoxy	111-76-2	2.5-10
Propane	74-98-6	1.0-2.5
Butane	106-97-8	1.0-2.5

SECTION 4: FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES

AREA EXPOSED

Eye Contact

Flush with copious amounts of water for 15 minutes. "Roll" eyes during flush. Seek medical attention if irritation persists.

Skin Contact

Flush area with warm, running water for several minutes. Seek medical attention if irritation persists.

Inhalation

Obtain fresh air.

Ingestion

If conscious only: Rinse mouth with water. Do not induce vomiting. Contact a Poison Control Center or physician for instructions.

4.2 MOST IMPORTANT ACUTE AND CHRONIC EXPOSURE SYMPTOMS

ACUTE HEALTH EFFECTS:

AREA EXPOSED

Eye Contact

Mild eye irritation may occur if liquid is sprayed into eye.

Skin Contact

No adverse effects are anticipated.

Inhalation

No adverse effects are anticipated.

Ingestion

No adverse effects are anticipated.

CHRONIC HEALTH EFFECTS: Not applicable.

TARGET ORGANS: Not applicable.

4.3 INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

- GENERAL INFORMATION:** For all exposures: In case of accident, or if you feel unwell, seek medical advice immediately. Take this document and a copy of the label to the healthcare professional.
- RECOMMENDATIONS TO PHYSICIANS:** Treat symptomatically.
- MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE:** None reported.

SECTION 5: FIREFIGHTING MEASURES

5.1 EXTINGUISHING MEDIA

- RECOMMENDED FIRE EXTINGUISHING MEDIA:** Water Spray, Dry Powder, Foam, Carbon Dioxide, or any other.
- UNSUITABLE FIRE EXTINGUISHING MEDIA:** Water jet.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

NFPA FLAMMABILITY CLASSIFICATION:

Classification



NFPA Rating

NFPA Classification

Non-flammable aerosol.

¹ All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume. The exact concentration has been withheld as a trade secret. All physical and health hazard data has been provided, in compliance with regulatory requirements.

SECTION 5: FIREFIGHTING MEASURES

• UNUSUAL HAZARDS IN FIRE SITUATIONS:

Decomposition	Generates carbon dioxide, carbon monoxide, , and irritating vapors.
Explosion Sensitivity to Mechanical Impact	Not applicable.
Explosion Sensitivity to Static Discharge	This product may be sensitive to static discharge, which could result in fire or explosion.

5.3 ADVICE FOR FIREFIGHTERS

- Self-Contained Breathing Apparatus and full protective equipment for fire response should be worn in any situation. Move containers from fire area if it can be done without risk to personnel. Otherwise, use water spray to keep fire-exposed containers cool. Any equipment that comes in contact with this product can be rinsed thoroughly with water and then returned to service.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES

- **RESPONSE TO INCIDENTAL RELEASES:** Personnel who have received basic chemical safety training can generally handle small-scale releases. Gloves and safety glasses must be worn when cleaning-up spills. Use caution during clean-up; contaminated floors and items may be slippery.
- **RESPONSE TO NON-INCIDENTAL RELEASES:** Generally, releases of this product will be no larger than the loss of one shipment of material. Subsequently, personnel can follow the instructions for incidental releases. As needed, respond to non-incidental chemical releases of this product (such as the simultaneous destruction of several pallets of this product) by clearing the impacted area and contacting appropriate emergency personnel.
- **RESPONSE PROCEDURES FOR ANY RELEASE:** Ensure area has good ventilation. Check for ignition sources before beginning clean up. Rinse area thoroughly. Because this product is a cleaning agent, all items that come in contact with the solution can be returned to service after rinsing.

6.2 ENVIRONMENTAL PRECAUTIONS

- Avoid response actions that can cause a release of a significant amount of product into the environment. Avoid accidental dispersal of spilled material into soil, waterways, and sewers.

6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

- **SPILL RESPONSE EQUIPMENT:** Polypad or other absorbent material.

6.4 REFERENCES TO OTHER SECTIONS

- **SECTION 8:** For exposure levels and detailed personal protective equipment recommendations.
- **SECTION 13:** For waste handling guidelines.

SECTION 7: HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

Hygiene Practices	Keep out of reach of children. Follow good chemical hygiene practices. Do not smoke, drink, eat, or apply cosmetics in the chemical use area. Avoid inhalation of mists and sprays. Use in well-ventilated area. Avoid contact with skin or eyes. Remove contaminated clothing promptly. Clean up spilled product immediately.
Handling Practices	Employees must be appropriately trained to use this product safely as needed. Place top back on aerosol can when not in use.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Storage Practices	Do not expose to temperatures exceeding 50 °C/122 °F. Ensure all containers are correctly labeled. Store containers away from direct sunlight, sources of intense heat, or where freezing is possible. Store this product away from incompatible chemicals. Inspect all incoming containers before storage, to ensure containers are properly labeled and not damaged. Empty containers may contain residual liquid; therefore, empty containers should be handled with care. Do not puncture, cut, or weld empty containers.
Incompatibilities	See Section 10 (Stability and Reactivity).

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

- AIRBORNE EXPOSURE LIMITS:** The following components have published airborne exposure limits.

COMPONENT	ACGIH TLV	OSHA PEL	NIOSH REL	OTHER
Ethanol	STEL = 1000 ppm	TWA = 1000 ppm	TWA = 1000 ppm IDLH = 3300 ppm	CA PEL: TWA = 1000 ppm
Ethanol, 2-butoxy	TWA = 20 ppm (Skin)	TWA = 50 ppm (Skin)	TWA = 5 ppm (Skin); IDLH = 700 ppm	CA PEL: TWA = 20 ppm
Propane	Danger of asphyxiation and explosion	TWA = 1000 ppm	TWA = 1000 ppm	NIOSH IDLH 2100 ppm (10% LEL) CA PEL: TWA = 1000 ppm
Butane	STEL = 1000 ppm; Danger of explosion.	NE	TWA = 800 ppm	CA PEL: TWA = 800 ppm

- BIOLOGICAL OCCUPATIONAL EXPOSURE LIMITS:** The following BEIs have been established for components of this product.
 - ETHANOL, 2-BUTOXY:** Butoxyacetic Acid (BAA) in Urine; End of Shift; 200 mg/g creatinine

8.2 EXPOSURE CONTROLS

Engineering Controls	Use in well-ventilated environment.
Respiratory Protection	None needed in normal circumstances of use.
Hand Protection	Neoprene, PVC, or butyl gloves are recommended if there is a potential for skin contact. Ensure gloves are intact prior to use.
Eye Protection	Safety glasses if splashes/sprays can occur when using.
Body Protection	None needed in normal circumstances of use.

8.3 PERSONAL PROTECTION SYMBOLS

- Hand Protection**
(If skin contact is anticipated)
- Eye Protection**
(If splashes or sprays can occur)



SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid propelled by compressed gas
Odor	Fresh odor.
Odor Threshold	No data available.
pH	No data available.
Melting Point/Freezing Point	No data available.
Initial Boiling Point/Boiling Range	78 °C (172 °F).
Flash Point	Not applicable.
Evaporation Rate (Water = 1)	No data available.
Flammability	Non-flammable aerosol.
Upper/Lower Explosive Limits	No data available.
Vapor Pressure	70-90 PSI
Vapor Density	No data available.
Relative Density (Density)	0.978 (8.15 lb./gal)
Solubility	No data available.
Partition Coefficient/n-octanol/water	No data available.
Autoignition Temperature	No data available.
Decomposition Temperature	No data available.
Viscosity	No data available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (Continued)

9.2 OTHER INFORMATION

- **VOC (less water & exempt):** No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1 REACTIVITY

- Not reactive under typical conditions of use or handling.

10.2 CHEMICAL STABILITY

- Normally stable under standard temperatures and pressures.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS

- This product is not self-reactive, water-reactive, or air-reactive.
- This product will not undergo hazardous polymerization.

10.4 CONDITIONS TO AVOID

- Avoid contact with incompatible chemicals.
- Avoid adverse storage conditions (see Section 7).

10.5 INCOMPATIBLE MATERIALS

- Strong oxidizing agents.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

- Products of thermal decomposition include carbon dioxide, carbon monoxide, and irritating vapors.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

• ACUTE TOXICITY:

○ PRODUCT TOXICITY DATA:

- Acute Toxicity Estimate (oral): 60,310.88 mg/kg
- Acute Toxicity Estimate (dermal): 23,039.72 mg/kg
- Acute Toxicity Estimate (inhalation)-1: 690.85 mg/l
- Acute Toxicity Estimate (inhalation)-2: 172.710 mg/l

○ COMPONENT TOXICOLOGY DATA: The following data are available for components of this product.

Ethanol

LD₅₀ (oral, rat) = 7060 mg/kg
LC50 (inhalation, rat) = 20,000 mg/kg – 10 hours

Ethanol, 2-butoxy

NOAEL (Rabbit(Female, Male), Dermal, 90 d): > 150 mg/kg Dermal; Experimental result, Key study
NOAEL (Rat(Female), Oral, 90 d): < 82 mg/kg Oral Experimental result, Key study
NOAEL (Rat(Female), Inhalation, 2 yr): < 31 ppm(m) Inhalation; Experimental result, Key study

Butane

LOAEL (Rat(Female, Male), Inhalation, >= 28 d): 12,000 ppm(m) Inhalation; Experimental result, Key study
NOAEL (Rat(Female, Male), Inhalation, >= 28 d): 4,000 ppm(m) Inhalation; Experimental result, Key study

Propane

NOAEL (Rat(Female, Male), Inhalation, >= 28 d): 4,000 ppm(m) Inhalation Experimental result, Key study
LOAEL (Rat(Female, Male), Inhalation, >= 28 d): 12,000 ppm(m) Inhalation Experimental result, Key study
NOAEL (Rat, Inhalation, >= 104 Weeks): 5,000 ppm(m) Inhalation Experimental result, Key study

- **DEGREE OF IRRITATION:** This product is not anticipated to cause skin or eye irritation. Refer to Section 4 (First Aid Measures) for additional information.
- **SENSITIZATION:** This product is not anticipated to cause allergic skin or respiratory reactions.

SECTION 11: TOXICOLOGICAL INFORMATION (Continued)

- **REVIEW OF ACUTE SYMPTOMS AND EFFECTS BY ROUTE OF EXPOSURE:** See Section 2 (Hazards Information) and Section 4 (First Aid Measures) for additional details.
 - Eyes** Mild eye irritation may occur if liquid is sprayed into eye.
 - Skin** No adverse effects are anticipated.
 - Inhalation** No adverse effects are anticipated.
 - Ingestion** No adverse effects are anticipated.
- **CHRONIC TOXICITY:**
 - **CARCINOGENICITY STATUS:** The components of this product are not listed as carcinogens by IARC, NTP or OSHA.
 - **REPRODUCTIVE TOXICITY INFORMATION:** The components of this product are not reported to cause adverse reproductive effects under typical circumstances of exposure.
 - **MUTAGENIC EFFECTS:** The components of this product are not reported to cause mutagenic effects under typical circumstances of exposure.
 - **SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE:** Not applicable.
 - **SPECIFIC TARGET ORGAN TOXICITY – REPEATED EXPOSURE:** Not applicable.
 - **ASPIRATION HAZARD:** Not applicable.
- **OTHER INFORMATION:**
 - **TOXICOLOGICALLY SYNERGISTIC PRODUCTS:** None known.
 - **ADDITIONAL TOXICOLOGY:** Not applicable.

SECTION 12: ECOLOGICAL INFORMATION

12.1 TOXICITY

- Based on available data, this product may be harmful to contaminated terrestrial or aquatic plants or animals, depending on the volume released into the environment.
- The following aquatic toxicity data are available for components of this product.

Ethanol

LC 50 (Pimephales promelas, 96 h): 15.3 g/l
Experimental result, Key study
LC 50 (Ceriodaphnia dubia, 48 h): 5,012 mg/l
Experimental result, Key study
NOAEL (Oryzias latipes): 7,900 mg/l Read-across from supporting substance (structural analogue or surrogate), Supporting study
LC 50 (Daphnia magna): 454 mg/l Experimental result, Key study
NOAEL (Daphnia magna): 9.6 mg/l Experimental result, Key study

Butane

LC 50 (Various, 96 h): 147.54 mg/l QSAR, Key study
LC 50 (Daphnia sp., 48 h): 69.43 mg/l QSAR, Key study

Ethanol, 2-butoxy

LC 50 (Oncorhynchus mykiss, 96 h): 1,474 mg/l Experimental result, Key study
EC 50 (Daphnia magna, 48 h): 1,550 mg/l Experimental result, Key study
NOAEL (Danio rerio): > 100 mg/l Experimental result, Key study
EC 50 (Daphnia magna): 297 mg/l Experimental result, Key study
EC 10 (Daphnia magna): 134 mg/l Experimental result, Key study

Propane

LC 50 (Various, 96 h): 147.54 mg/l QSAR, Key study

L

12.2 PERSISTENCE AND DEGRADABILITY

- When released into the soil, the components of this product are expected to biodegrade, dissipate in soils via oxidation, or otherwise chemically degrade or photo-decompose via solar radiation.
- The following data are available for components of this product:

Ethanol

95 % Detected in water. Experimental result, Key study

Propane

LC 50_100 % (385.5 h) Detected in water. Experimental result, Key study
50 % (3.19 d) Detected in water. QSAR, Weight of Evidence study

Butane

100 % (385.5 h) Detected in water. Experimental result, Key study

Ethanol, 2-butoxy

90.4 % Detected in water. Experimental result, Key study):

SECTION 12: ECOLOGICAL INFORMATION (Continued)

12.3 BIOACCUMULATIVE POTENTIAL

- There is no data available for this product.

12.4 MOBILITY IN SOIL

- There is no data available for this product.

12.5 OTHER ADVERSE EFFECTS

- None reported.

SECTION 13: DISPOSAL CONSIDERATION

13.1 WASTE TREATMENT METHODS:

- Dispose of in accordance with local, State and Federal regulations.

13.2 DISPOSAL CONSIDERATIONS

- **EPA RCRA WASTE CODE:** Not applicable to wastes consisting only of this product.

SECTION 14: TRANSPORT INFORMATION

NOTE: This product is packaged in LIMITED QUANTITY volumes. Follow the requirements for Limited Quantity packagings appropriate to the mode of transport.

- **DEPARTMENT OF TRANSPORTATION HAZARDOUS MATERIALS SHIPPING REGULATIONS:**

UN/NA Number	Proper Shipping Name	Packing Group	Hazard Class	Label	North American Emergency Response Guide #	Marine Pollutant Status
This product is packaged in Limited Quantity volumes. Follow requirements in 49 CFR 173.306				Limited Quantity	Not Applicable	Not Applicable

- **CANADIAN TRANSPORTATION INFORMATION:** This product is regulated by Transport Canada as dangerous goods under Canadian transportation standards. Refer to above information.
- **IATA DESIGNATION:** This product is regulated as dangerous goods by the International Air Transport Association. Refer to the following information for preparation of packagings.

UN/NA Number	Proper Shipping Name	Packing Group	Hazard Class	Labels	Packing Instruction	Max. Net Qty per PKG
UN1950	Aerosols, Non-flammable	Not Applicable.	2.2	Non-Flammable Gas Limited Quantity	Y203	30 kg G

- **IMO DESIGNATION:** This product is regulated as dangerous goods by the International Maritime Organization. Follow guidance in IMO International Maritime Dangerous Goods Code, Section 3.4.

UN/NA Number	Proper Shipping Name	Packing Group	Hazard Class	Label	Max. Qty per PKG	EM-S
This product is packaged in limited quantity volumes. Follow the instructions in the IMO International Maritime Dangerous Goods Code, Section 3.4.				Limited Quantity	1L	FD-SU

14.2 ENVIRONMENTAL HAZARDS

- None described, as related to transportation.

14.3 SPECIAL PRECAUTIONS FOR USERS

- Not applicable.

14.4 TRANSPORT IN BULK

- Not applicable.

SECTION 15: REGULATORY INFORMATION

15.1 SAFETY, HEALTH, AND ENVIRONMENTAL REGULATIONS SPECIFIC FOR THE PRODUCT

• OTHER IMPORTANT U.S. REGULATIONS

- **U.S. SARA HAZARD CATEGORIES (SECTION 311/312, 40 CFR 370-21):** Gases under pressure.
- **U.S. CERCLA REPORTABLE QUANTITY (RQ):** Not applicable.
- **U.S. TSCA INVENTORY STATUS:** All components of this product are listed on the TSCA Inventory.
- **U.S. SARA 313:** 2-Butoxyethanol is subject to the reporting requirements (under the Glycol Ether Category).
- **CALIFORNIA SAFE DRINKING WATER ACT (PROPOSITION 65) STATUS:** Not applicable.

• INTERNATIONAL REGULATIONS

- **CANADIAN REGULATORY STATUS: CANADIAN REGULATORY STATUS:** The product is classified as hazardous under Hazardous Products Regulations (SOR-2015-17).
 - WHMIS 2015: See section 2.
 - This SDS contains all the information required by the HPR.
- **CANADIAN DSL/NDSL INVENTORY STATUS:** The listed components of this product are on the DSL/NDSL Inventory.
- **CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITY SUBSTANCES LISTS:** The components of this product are not on the CEPA Priority Substances Lists.

SECTION 16: OTHER INFORMATION

16.1 INDICATION OF CHANGE

- **DATE OF REVISION:** November 30, 2022
- **SUPERCEDES:** Not applicable.
- **CHANGE INDICATED:** New product.

16.2 KEY LITERATURE REFERENCES AND SOURCES FOR DATA

- SAFETY DATA SHEETS FOR COMPONENT PRODUCTS.
- Federal OSHA Hazard Communication Standard: 29 CFR 1910.1200.

16.3 HAZARDOUS MATERIALS CLASSIFICATION SYSTEM

Health	0	<u>HMIS Personal Protective Equipment Rating:</u> Occupational Use situations: See Section 8 for guidance on personal protective equipment.
Flammability	1	
Physical Hazard	1	
Protective Equipment	-	

16.4 DISCLAIMER

Waxie's Enterprises, LLC, an Envoy Solutions Company (WAXIE), makes no warranty, representation or guarantee as to the accuracy, sufficiency or completeness of the material set forth herein. It is the user's responsibility to determine the safety, toxicity and suitability of their own use, handling, and disposal of this product. Since actual use by others is beyond our control, no warranty, expressed or implied, is made by WAXIE as to the effects of such use, the results to be obtained or the safety and toxicity of this product, nor does WAXIE assume any liability arising out of the use by others of this product referred to herein. The data in this SDS relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. WAXIE does not recommend blending this product with any other chemicals. All information, recommendations and data contained herein concerning this product are based upon information available at the time of writing from recognized technical sources.

SECTION 16: OTHER INFORMATION (Continued)

16.5 ABBREVIATIONS AND ACRONYMS

ALL SECTIONS: OSHA: U.S. Federal Occupational Safety and Health Administration. WHMIS: Canadian Workplace Hazardous Materials Standard. GHS: Globally Harmonized System of Classification of Chemical Substances.

SECTION 3: CAS Number: Chemical Abstract Service Number, which is used by the American Chemical Society to uniquely identify a chemical.

SECTION 5: NFPA: National Fire Protection Association. NFPA FLAMMABILITY CLASSIFICATION: The NFPA uses the flash point (F.I.P.) and boiling point (BP) to classify flammable or combustible liquids. Class IA: F.I.P. below 73°F and BP below 100°F. Class IB: F.I.P. below 73°F and BP at or above 100°F. Class IC: F.I.P. at or above 73°F and BP at or above 100°F. Class II: F.I.P. at or above 100°F and below 140°F. Class IIIA: F.I.P. at or above 140°F and below 200°F. Class IIIB: F.I.P. at or above 200°F. NFPA HAZARDOUS MATERIALS RATING: This is a rating system used to summarize physical and health hazards to firefighters. 0 = No Significant Hazard. 1 = Slight Hazard. 2 = Moderate Hazard. 3 = Severe Hazard. 4 = Extreme Hazard.

SECTION 8: NE: Not established. ACGIH: American Conference of Government Industrial Hygienists; TWA: Time-Weighted Average (over an 8-hour workday); STEL: Short-Term Exposure Limit (15-minute average, no more than 4-times daily and each exposure separated by one-hour minimally); C: Ceiling Limit (concentration not to be exceeded in a work environment). PEL: Permissible Exposure Limit. NIOSH: National Institute of Occupational Safety and Health; REL: Recommended Exposure Limit. ppm: Parts per Million. mg/m³: Milligrams per cubic meter. mppcf: Millions of Particles per Cubic Foot. BEI: Biological Exposure Limit. CA: California - TABLE AC-1 Permissible Exposure Limits for Airborne Contaminants

SECTION 9: pH: Scale (0 to 14) used to rate the acidity or alkalinity of aqueous solutions. For example, a pH value of 0 indicates a strongly acidic solution, pH of 7 indicates a neutral solution, and a pH value of 14 indicates an extremely basic solution. FLASH POINT: Temperature at which a liquid generates enough flammable vapors so that ignition may occur. AUTOIGNITION TEMPERATURE: Temperature at which spontaneous ignition occurs. LOWER EXPLOSIVE LIMIT (LEL): The minimal concentration of flammable vapors in air which will sustain ignition. UPPER EXPLOSIVE LIMIT (UEL): The maximum concentration of flammable vapors in air which will sustain ignition. ≈: Approximately symbol. VOC: Volatile Organic Compound.

SECTION 11: CARCINOGENICITY STATUS: NTP: National Toxicology Program. IARC: International Agency for Research on Cancer. REPRODUCTIVE TOXICITY INFORMATION: Mutagen: Substance capable of causing chromosomal damage to cells. Embryotoxin: Substance capable of damaging the developing embryo in an overexposed female. Teratogen: Substance capable of damaging the developing fetus in an overexposed female. Reproductive toxin: Substance capable of adversely affecting male or female reproductive organs or functions. TOXICOLOGY DATA: LD_{xx} or LC_{xx}: The Lethal Dose or Lethal Concentration of a substance which will be fatal to a given percentage (xx) of exposed test animals by the designate route of administration. This value is used to assess the toxicity of chemical substances to humans. TD_{xx} or TC_{xx}: The Toxic Dose or Toxic Concentration of a substance which will cause an adverse effect to a given percentage (xx) of exposed test animals by the designate route of administration.

SECTION 12: EC₅₀: Effect Concentration (on 50% of study group); BOD: Biological Oxygen Demand. COD: Chemical Oxygen Demand. ThOD: Theoretical Oxygen Demand. TLM: Median Tolerance Limit.

SECTION 13: RCRA: Resource Conservation and Recovery Act. The regulations promulgated under this Act are found in 40 CFR, Sections 260 ff, and define the requirements of hazardous waste generation, transport, treatment, storage, and disposal. EPA RCRA Waste Codes: Defined in 40 CFR Section 261.

SECTION 15: CERCLA: Comprehensive Environmental Response Compensation and Liability Act (a.k.a. "Superfund") and SARA: (Superfund Amendment and Reauthorization Act). The regulations promulgated under this Act are located under 40 CFR 300 ff. and provide "community right-to-know" requirements. TSCA: Toxic Substances Control Act: Rules regulating the manufacture and sale of chemicals found in 40 CFR 700-766. DSL/NDSL: Canadian Domestic Substances and Non-Domestic Substances Lists.

SECTION 16: HAZARDOUS MATERIALS IDENTIFICATION SYSTEM RATING: This is a rating system used by industry to summarize physical and health hazards to chemical users and was originally developed by the National Paint and Coating Association. 0 = No Significant Hazard. 1 = Slight Hazard. 2 = Moderate Hazard. 3 = Severe Hazard. 4 = Extreme Hazard.

HOJA DE DATOS DE SEGURIDAD



Esta Hoja de datos de seguridad (SDS) cumple con los requisitos de la Norma federal de comunicación de riesgos de la Administración de Seguridad y Salud Ocupacional de los EE. UU. (CFR 29, 1910.1200, conforme a la actualización de 2012) y las normas estatales equivalentes. También ha sido desarrollada de acuerdo con el Sistema Mundialmente Armonizado de Clasificación de Productos Químicos de las Naciones Unidas (GHS) y el Sistema de Información de Materiales Peligrosos en el Lugar de Trabajo, de Canadá (WHMIS). Consulte la sección 16 de este documento para conocer la definición de los términos y abreviaturas.

SECCIÓN 1: IDENTIFICACIÓN

1.1 IDENTIFICADOR DEL PRODUCTO

- NÚMERO(S) DE ARTÍCULO: 950151
- NOMBRE DEL PRODUCTO: **Sparkle Limpiador de Vidrios y Superficies**
 - Latas de 19 oz/12 por caja

1.2 USOS RELEVANTES E IDENTIFICADOS DE LA MEZCLA

- USO RECOMENDADO: Limpieza de vidrios y superficies.
- USUARIOS IDENTIFICADOS: Para la venta, uso y almacenamiento solo por parte del personal de servicio.

1.3 DETALLES DEL PROVEEDOR DE LA HOJA DE DATOS DE SEGURIDAD

- FABRICANTE/PROVEEDOR: **Waxie's Enterprises, LLC., una empresa de Envoy Solutions**
- DIRECCIÓN: 9353 Waxie Way; San Diego, CA 92123-1036
- TELÉFONO DE OFICINA: 1-800-995-4466
- TELÉFONO DE EMERGENCIAS: 1-800-255-3924 (CHEMTEL; las 24 horas)

1.4 OTRA INFORMACIÓN PERTINENTE

- Este producto se vende y utiliza en cantidades relativamente pequeñas. Esta SDS se ha desarrollado para abordar las inquietudes de seguridad que afectan las situaciones de la manipulación de pequeñas cantidades y las que involucran a los almacenes y otros sitios de trabajo donde se almacenan o distribuyen grandes cantidades de estos artículos.

SECCIÓN 2: IDENTIFICACIÓN DE RIESGOS

2.1 CLASIFICACIÓN DE LA SUSTANCIA O MEZCLA:

Estado según la OSHA/HCS:

CLASIFICACIÓN DE LA SUSTANCIA O MEZCLA Gases a Presión (Gases Comprimidos)

2.2 ELEMENTOS DE LA ETIQUETA:

ELEMENTO

Pictogramas de riesgo



Palabra de advertencia

ATENCIÓN

Declaraciones del riesgo

H280: Contiene gas a presión, puede reventar si se calienta.

Prevención

No corresponde.

Respuesta

No corresponde.

Almacenamiento

P410+403: Proteger de la luz solar. Almacenar en un lugar bien ventilado.

Eliminación

No corresponde.

2.3 OTROS DATOS IMPORTANTES SOBRE LOS RIESGOS QUÍMICOS Y FÍSICOS:

- No corresponde.

SECCIÓN 3: COMPOSICIÓN/INFORMACIÓN SOBRE INGREDIENTES

3.1 SUSTANCIAS/MEZCLAS

QUÍMICAS	NÚMERO DE CAS	% (w/w) ¹
Etanol	64-17-5	2,5-10
Etanol, 2-butoxi	111-76-2	2,5-10
Propano	74-98-6	1,0-2,5
Butano	106-97-8	1,0-2,5

SECCIÓN 4: MEDIDAS DE PRIMEROS AUXILIOS

4.1 DESCRIPCIÓN DE LAS MEDIDAS DE PRIMEROS AUXILIOS

ÁREA EXPUESTA

Contacto con los ojos Enjuague con abundante agua durante 15 minutos. Mire hacia arriba mientras se enjuaga los ojos. Si la irritación persiste, busque atención médica.

Contacto con la piel Enjuague el área con agua tibia y corriente durante varios minutos. Si la irritación persiste, busque atención médica.

Inhalación
Ingestión Salga al aire fresco.
Si está consciente: Enjuáguese la boca con agua. No induzca el vómito. Póngase en contacto con un Centro para el Control de Envenenamientos o con un médico y siga las indicaciones.

4.2 SÍNTOMAS AGUDOS Y CRÓNICOS MÁS IMPORTANTES COMO RESULTADO DE UNA EXPOSICIÓN

• EFECTOS AGUDOS EN LA SALUD:

ÁREA EXPUESTA

Contacto con los ojos Se puede producir una irritación ocular leve si se rocía líquido en los ojos.

Contacto con la piel No se prevén efectos adversos.

Inhalación No se prevén efectos adversos.

Ingestión No se prevén efectos adversos.

• EFECTOS CRÓNICOS EN LA SALUD: No corresponde.

• ÓRGANOS QUE AFECTA: No corresponde.

4.3 INDICACIÓN DE ATENCIÓN MÉDICA INMEDIATA Y TRATAMIENTO ESPECIAL NECESARIO

- **INFORMACIÓN GENERAL: Para toda clase de exposiciones:** En caso de accidente, o si no se siente bien, busque atención médica de inmediato. Llévese este documento y una copia de la etiqueta a su consulta con el médico.
- **RECOMENDACIONES PARA EL MÉDICO:** Dé tratamiento de acuerdo con los síntomas.
- **AFECCIONES MÉDICAS QUE PUEDEN AGRAVARSE CON UNA SOBREEXPOSICIÓN:** No se ha informado ninguna.

SECCIÓN 5: MEDIDAS CONTRA INCENDIOS

5.1 MEDIO PARA APAGAR UN INCENDIO

- **MEDIO RECOMENDADO PARA APAGAR UN INCENDIO:** Spray de agua, polvo seco, espuma, dióxido de carbono, sistema de halones o cualquier otro medio.
- **MEDIOS NO ADECUADOS PARA APAGAR UN INCENDIO:** Chorro de agua.

5.2 RIESGOS ESPECIALES QUE PUEDEN SURGIR DEBIDO A LA SUSTANCIA O MEZCLA

- **CLASIFICACIÓN DE NFPA SOBRE INFLAMABILIDAD:**

Clasificación



Calificación de NFPA
Clasificación de NFPA

Aerosol no inflamable.

¹Todas las concentraciones son porcentajes en peso a menos que el ingrediente sea un gas. Las concentraciones de gas están en porcentaje por volumen. La concentración exacta ha sido retenida como secreto comercial. Se han proporcionado todos los datos sobre peligros físicos y para la salud, de conformidad con los requisitos reglamentarios.

SECCIÓN 5: MEDIDAS CONTRA INCENDIOS (continuación)

• RIESGOS INUSUALES EN CASO DE INCENDIO:

Descomposición	Genera dióxido de carbono, monóxido de carbono, y vapores irritantes.
Susceptibilidad a explosiones en caso de impacto mecánico	No corresponde.
Susceptibilidad a explosiones en caso de descarga estática	No corresponde.

5.3 SUGERENCIAS PARA LOS BOMBEROS

- En cualquier situación, debe usar un equipo de protección completo y aparatos de respiración autónomos para apagar incendios. Mueva los contenedores del área del incendio si es posible hacerlo sin poner en riesgo al personal. En caso contrario, utilice spray de agua para mantener frescos los contenedores expuestos al fuego. El equipo que entre en contacto con esta producto se puede enjuagar bien con agua y luego puede volverse a usar.

SECCIÓN 6: MEDIDAS EN CASO DE DERRAME ACCIDENTAL

6.1 PRECAUCIONES PERSONALES, EQUIPO DE PROTECCIÓN Y PROCEDIMIENTOS DE EMERGENCIA

- RESPUESTA ANTE DERRAMES ACCIDENTALES:** El personal que ha recibido capacitación básica para la manipulación de sustancias químicas puede manejar los derrames a pequeña escala. Es necesario utilizar guantes y lentes de seguridad al limpiar los derrames. Mientras limpia, tenga cuidado; los pisos y objetos contaminados pueden estar resbalosos.
- RESPUESTA ANTE DERRAMES NO ACCIDENTALES:** En general, los derrames de este material no irán más allá de la pérdida de un envío de material. Por lo tanto, el personal puede seguir las instrucciones en caso de derrames accidentales. Según corresponda, responda a los derrames no accidentales de sustancias químicas cuando haya un derrame de este producto (como la destrucción simultánea de varias paletas del producto) limpiando el área afectada y poniéndose en contacto con el personal de emergencias adecuado.
- PROCEDIMIENTOS DE RESPUESTA ANTE CUALQUIER DERRAME:** Asegúrese de que el área tenga buena ventilación. Compruebe si hay fuentes de ignición antes de comenzar la limpieza. Enjuague bien el área. Debido a que este producto es un agente de limpieza, todos los objetos que entren en contacto con la solución pueden volver a usarse después de enjuagarlos.

6.2 PRECAUCIONES AMBIENTALES

- Evite las acciones de respuesta que puedan ocasionar el derrame de una cantidad significativa del producto en el medioambiente. Evite la dispersión accidental del material derramado en la tierra, vías acuáticas y alcantarillados.

6.3 MÉTODOS Y MATERIALES PARA LA CONTENCIÓN Y LABORES DE LIMPIEZA

- EQUIPO DE RESPUESTA EN CASO DE DERRAME:** Polypad u otro material absorbente.

6.4 REFERENCIAS A OTRAS SECCIONES

- SECCIÓN 8:** Para los niveles de exposición y recomendaciones detalladas del equipo de protección personal.
- SECCIÓN 13:** Para conocer las pautas en el manejo de desperdicios.

SECCIÓN 7: MANIPULACIÓN Y ALMACENAMIENTO

7.1 PRECAUCIONES PARA EL MANEJO SEGURO

Prácticas de higiene	Manténgase fuera del alcance de los niños. Siga las buenas prácticas de higiene química. No fume, beba, coma ni se aplique cosméticos en el área de uso de sustancias químicas. Evite la inhalación de rocíos y sprays. Utilice en áreas bien ventiladas. Evite el contacto con la piel o los ojos. Retire la vestimenta contaminada inmediatamente. Limpie el producto derramado de inmediato.
Prácticas de manejo	Los empleados deben estar debidamente capacitados para utilizar este producto de la manera más segura según sea necesario. Vuelva a colocar la tapa en la lata de aerosol cuando no esté en uso.

7.2 CONDICIONES PARA EL ALMACENAMIENTO SEGURO, INCLUYENDO CUALQUIER INCOMPATIBILIDAD

Prácticas de almacenamiento	No exponer a una temperatura superior a 50 °C / 122 °F. Asegúrese de que todos los envases estén etiquetados de manera correcta. Conserve los envases fuera de la luz solar directa, de las fuentes intensas de calor o cuando sea posible que se congelen. Almacene este producto alejado de sustancias químicas incompatibles. Revise todos los contenedores entrantes antes de guardar, para asegurarse de que estén debidamente etiquetados y no se encuentren dañados. Los envases vacíos pueden contener residuos de líquido, por lo tanto, deben manejarse con cuidado. No perforo, corte ni sulte los recipientes vacíos.
Incompatibilidades	Ver la sección 10 (estabilidad y reactividad).

SECCIÓN 8: CONTROLES DE EXPOSICIÓN/PROTECCIÓN PERSONAL

8.1 PARÁMETROS DE CONTROL

- **LÍMITES DE EXPOSICIÓN EN EL AIRE:** Los siguientes componentes tienen límites de exposición en el aire publicados.

COMPONENTE	ACGIH TLV	OSHA PEL	NIOSH REL	OTRO
Etanol	STEL = 1000 ppm	TWA = 1000 ppm (TWA = 1000 ppm IDLH = 3300 ppm	CA PEL: TWA = 1000 ppm
Etanol, 2-butoxi	TWA = 20 ppm (Piel)	TWA = 50 ppm (Piel)	TWA = 5 ppm (Piel); IDLH = 700 ppm	CA PEL: TWA = 20 ppm
Propano	Peligro de asfixia y explosión	TWA = 1000 ppm	TWA = 1000 ppm	NIOSH IDLH 2100 ppm (10% LEL) CA PEL: TWA = 1000 ppm
Butano	STEL = 1000 ppm; Peligro de explosión.	NE	TWA = 800 ppm	CA PEL: TWA = 800 ppm

- **LÍMITES DE EXPOSICIÓN BIOLÓGICA EN EL TRABAJO:** Se han establecido los siguientes BEI para los componentes de este producto.
 - **ETANOL, 2-BUTOXI:** ácido butoixacético (BAA) en orina; Fin del turno; 200 mg/g de creatinina.

8.2 CONTROLES DE EXPOSICIÓN/PROTECCIÓN PERSONAL

Controles de ingeniería	Utilice en ambientes bien ventilados.
Protección respiratoria	No es necesario en circunstancias de uso normal.
Protección de las manos	Se recomiendan guantes de neopreno, PVC o butilo si existe la posibilidad de contacto con la piel. Asegúrese de que los guantes estén intactos antes de usarlos.
Protección de los ojos	Gafas de seguridad, si pueden ocurrir salpicaduras/sprays al usar.

8.3 SÍMBOLOS DE PROTECCIÓN PERSONAL

Protección de las manos
(Si se provee contacto con la piel)

Protección de los ojos
(Si pueden ocurrir salpicaduras o sprays)



SECCIÓN 9: PROPIEDADES FÍSICAS Y QUÍMICAS

9.1 INFORMACIÓN SOBRE LAS PROPIEDADES FÍSICAS Y QUÍMICAS BÁSICAS

Aspecto	Líquido propulsado por gas comprimido
Olor	Olor fresco.
Umbral olfativo	Datos no disponibles.
pH:	Datos no disponibles.
Punto de fusión y punto de congelamiento	Datos no disponibles.
Punto de ebullición inicial y rango de ebullición	78 °C (172 °F).
Punto de inflamación	No aplica.
Tasa de evaporación (Agua = 1)	Datos no disponibles.
Inflamabilidad	Aerosol no inflamable.
Límites superiores e inferiores de explosividad	Datos no disponibles.
Presión de vapor	70-90 psi
Densidad del vapor	Datos no disponibles.
Densidad relativa (Densidad)	0,978 (8,15 lb/gal)
Solubilidad	Datos no disponibles.
Coefficiente de partición n-octanol/agua	Datos no disponibles.
Temperatura de autoinflamación	Datos no disponibles.
Temperatura de descomposición	Datos no disponibles.
Viscosidad	Datos no disponibles.

SECCIÓN 9: PROPIEDADES FÍSICAS Y QUÍMICAS (continuación)

9.2 INFORMACIÓN ADICIONAL

- **VOC (menos agua y exento de solventes):** Datos no disponibles.

SECCIÓN 10: ESTABILIDAD Y REACTIVIDAD

10.1 REACTIVIDAD

- No es reactivo en condiciones normales de uso o manipulación.

10.2 ESTABILIDAD QUÍMICA

- Es normalmente estable en condiciones estándar de temperatura y presiones.

10.3 POSIBILIDAD DE REACCIONES PELIGROSAS

- Este producto no es autoreactivo, ni reactivo al agua o al aire.
- Este producto no experimentará una polimerización peligrosa.

10.4 CONDICIONES QUE SE DEBEN EVITAR

- Evite el contacto con sustancias químicas incompatibles.

10.5 MATERIALES INCOMPATIBLES

- Agentes oxidantes fuertes.
- Evite las condiciones adversas de almacenamiento (consulte la Sección 7).

10.6 PRODUCTOS DE DESCOMPOSICIÓN PELIGROSA

- Los productos de descomposición térmica de este material incluyen dióxido de carbono, monóxido de carbono, y vapores irritantes.

SECCIÓN 11: INFORMACIÓN TOXICOLÓGICA

11.1 INFORMACIÓN SOBRE LOS EFECTOS TOXICOLÓGICOS

- **TOXICIDAD AGUDA:**

- **DATOS DE TOXICIDAD DEL PRODUCTO:**

- Estimación de toxicidad aguda (oral): 60.310,88 mg/kg
- Estimación de toxicidad aguda (cutánea): 23.039,72 mg/kg
- Estimación de toxicidad aguda (inhalación)-1: 690,85 mg/l
- Estimación de toxicidad aguda (inhalación)-2: 172.710 mg/l

- **DATOS DE TOXICIDAD:** Los siguientes datos están disponibles para los componentes de este producto:

Etanol

LD50 (Oral, rata) = 7060 mg/kg
LC50 (Inhalación, rata) > 20,000 mg/kg

Etanol, 2-butoxi

NOAEL (Conejo (hembra, macho), dérmico, 90 d): > 150 mg/kg dérmico; Resultado experimental, Estudio clave
NOAEL (rata (hembra), oral, 90 d): < 82 mg/kg oral Resultado experimental, estudio clave
NOAEL (rata (hembra), inhalación, 2 años): < 31 ppm(m) Inhalación; Resultado experimental, Estudio clave

Butano

LOAEL (Rata (Hembra, Macho), Inhalación, >= 28 d): 12,000 ppm(m)
Inhalación; Resultado experimental, Estudio clave
NOAEL (Rata (Hembra, Macho), Inhalación, >= 28 d): 4,000 ppm(m)
Inhalación; Resultado experimental, Estudio clave

Propano

NOAEL (rata (hembra, macho), inhalación, >= 28 d): 4000 ppm(m)
Inhalación Resultado experimental, estudio clave
LOAEL (Rata (Hembra, Macho), Inhalación, >= 28 d): 12,000 ppm(m)
Inhalación Resultado experimental, estudio clave
NOAEL (Rata, Inhalación, >= 104 Semanas): 5,000 ppm(m)
Inhalación Resultado experimental, Estudio clave

- **GRADO DE IRRITACIÓN:** No se prevé que este producto cause irritación en la piel o los ojos. Consulte la Sección 4 (Medidas de primeros auxilios) para obtener información adicional.
- **SENSIBILIZACIÓN:** No se prevé que este producto cause reacciones alérgicas en la piel o respiratorias.

SECCIÓN 11: INFORMACIÓN TOXICOLÓGICA (Continued)

- **REVISIÓN DE SÍNTOMAS AGUDOS Y EFECTOS POR LA VÍA DE EXPOSICIÓN:** Consulte la sección 2 (información de riesgos) y la sección 4 (medidas de primeros auxilios) para obtener más detalles.

Ojos	Se puede producir una irritación ocular leve si se rocía líquido en los ojos.
Piel	No se prevén efectos adversos.
Inhalación	No se prevén efectos adversos.
Ingestión	No se prevén efectos adversos.

- **TOXICIDAD CRÓNICA:**

- **CONDICIÓN CARCINÓGENA:** Los componentes de este producto no están listados como carcinógenos por IARC, NTP u OSHA:
- **INFORMACIÓN DE TOXICIDAD REPRODUCTIVA:** No se ha informado que los componentes de este producto ocasionen efectos reproductivos en condiciones normales de exposición.
- **EFECTOS MUTAGÉNICOS:** No se ha informado que los componentes de este producto ocasionen efectos reproductivos en condiciones normales de exposición.
- **TOXICIDAD ESPECÍFICA EN ÓRGANOS AFECTADOS POR EXPOSICIÓN ÚNICA:** No corresponde.
- **TOXICIDAD ESPECÍFICA EN ÓRGANOS AFECTADOS POR EXPOSICIÓN REPETIDA:** No corresponde.
- **RIESGO DE ASPIRACIÓN:** No corresponde.

- **INFORMACIÓN ADICIONAL:**

- **PRODUCTOS TOXICOLÓGICOS SINÉRGICOS:** Ninguno conocido.
- **TOXICOLOGÍA ADICIONAL:** No corresponde.

SECCIÓN 12: INFORMACIÓN ECOLÓGICA

12.1 TOXICIDAD

- En base a los datos disponibles, este producto puede ser dañino para las plantas o animales terrestres o acuáticos que se hayan contaminado, dependiendo de la duración del contacto y la cantidad derramada.
- Los siguientes datos de toxicidad acuática están disponibles para los componentes de este producto

Etanol

LC 50 (Pimephales promelas, 96 h): 15,3 g/l Resultado experimental, estudio clave

LC 50 (Ceriodaphnia dubia, 48 h): 5.012 mg/l Resultado experimental, estudio clave

NOAEL (Oryzias latipes): 7.900 mg/l Extrapolación de la sustancia de apoyo (análogo estructural o sustituto), estudio de apoyo

LC 50 (Daphnia magna): 454 mg/l Resultado experimental, estudio clave

NOAEL (Daphnia magna): 9,6 mg/l Resultado experimental, estudio clave

Butano

LC 50 (Varios, 96 h): 147,54 mg/l QSAR, estudio clave

LC 50 (Daphnia sp., 48 h): 69,43 mg/l QSAR, estudio clave

Etanol, 2-butoxi

LC 50 (Oncorhynchus mykiss, 96 h): 1.474 mg/l Resultado experimental, estudio clave

EC 50 (Daphnia magna, 48 h): 1.550 mg/l Resultado experimental, estudio clave

NOAEL (Danio rerio): > 100 mg/l Resultado experimental, estudio clave

EC 50 (Daphnia magna): 297 mg/l Resultado experimental, Estudio clave
EC 10 (Daphnia magna): 134 mg/l Resultado experimental, Estudio clave

Propano

LC 50_(Varios, 96 h): 147,54 mg/l QSAR, Estudio clave

12.2 PERSISTENCIA Y DEGRADABILIDAD

- Si se vierten al terreno, se espera que los componentes de este producto se biodegraden, se disipen en la tierra a través de la oxidación, o bien se degraden químicamente o se descompongan a través de la radiación solar.
- Los siguientes datos están disponibles para los componentes de este producto:

2- Etanol

95 % Detectado en agua. Resultado experimental, Estudio clave

Propano

LC 50 100 % (385,5 h) Detectado en agua. Resultado experimental, Estudio clave

50 % (3.19 d) Detectado en agua. QSAR, Estudio de Peso de la Evidencia

Butano

100 % (385,5 h) Detectado en agua. Resultado experimental, Estudio clave

Etanol, 2-butoxi

90,4 % Detectado en agua. Resultado experimental, Estudio clave

SECCIÓN 12: INFORMACIÓN ECOLÓGICA (continuación)

12.3 POTENCIAL BIOACUMULATIVO

- No hay datos disponibles para este producto.

12.4 MOVILIDAD EN EL TERRENO

- No hay datos disponibles para este producto.

12.5 OTROS EFECTOS ADVERSOS

- No se ha informado ninguno.

SECCIÓN 13: NOTAS SOBRE LA ELIMINACIÓN

13.1 MÉTODOS PARA EL TRATAMIENTO DE RESIDUOS

- Elimine el producto de acuerdo con todas las reglamentaciones federales, estatales y locales.

13.2 NOTAS SOBRE LA ELIMINACIÓN

- CÓDIGO RCRA DE EPA PARA RESIDUOS:** No aplica a los residuos que consisten solo de este producto.

SECCIÓN 14: INFORMACIÓN DE TRANSPORTE

NOTA: Este producto está empaquetado en volúmenes de CANTIDAD LIMITADA para algunos modos de transporte. Siga los requisitos para embalajes de Cantidad Limitada apropiados para el modo de transporte.

14.1 DESCRIPCIÓN BÁSICA SOBRE MERCANCÍAS PELIGROSAS Y OTRA INFORMACIÓN DE TRANSPORTE

- NORMAS DEL DEPARTAMENTO DE TRANSPORTE PARA EL ENVÍO DE MATERIALES PELIGROSOS:**

Número de UN/NA	Nombre correcto de envío	Grupo de empaque	Clase de riesgo	Etiqueta	Número de la Guía de Respuestas en caso de Emergencias de Norteamérica	Estado del contaminante marino
Este producto está empaquetado en cantidades limitadas. Siga los requisitos en 49 CFR 173.306.				Cantidad limitada	No Aplica	No Aplica

- INFORMACIÓN PARA EL TRANSPORTE DE CANADÁ:** Este producto está regulado por Transport Canada como mercancía peligrosa según las normas de transporte canadienses en embalaje de cantidad limitada. Consulte la información anterior.
- DESIGNACIÓN DE IATA:** Este producto está considerado como material peligroso por parte de la International Air Transport Association.

Número de UN/NA	Nombre correcto de envío	Grupo de empaque	Clase de riesgo	Etiqueta	Instrucciones de embalaje	Cantidad Neta Máxima por Paquete
UN1950	Aerosol No inflamable	No corresponde	2.2	Gas No Inflamable Cantidad limitada	Y203	30 kg G

- DESIGNACIÓN DE IMO:** Este producto está regulado como mercancía peligrosa por la International Maritime Organization en embalajes de Cantidad Limitada. Consulte la siguiente información.

Número de UN/NA	Nombre correcto de envío	Grupo de empaque	Clase de riesgo	Etiqueta	Cantidad máx. por Paquete	EM-S
Este producto está empaquetado en volúmenes de cantidad limitada. Siga las instrucciones del Código marítimo internacional de mercancías peligrosas de la OMI, Sección 3.4.				Cantidad limitada	1L	FD-SU

14.2 PELIGROS AMBIENTALES

- No se describe ninguno en relación con el transporte.

14.3 PRECAUCIONES ESPECIALES PARA LOS USUARIOS

- No corresponde.

14.4 TRANSPORTE A GRANEL

- No corresponde.

SECCIÓN 15: INFORMACIÓN DE REGLAMENTACIÓN

15.1 REGLAMENTACIONES ESPECÍFICAS PARA EL PRODUCTO SOBRE EL MEDIOAMBIENTE, SEGURIDAD Y SALUD

- **OTRAS REGLAMENTACIONES IMPORTANTES DE LOS EE. UU.**
 - **CATEGORÍAS DE RIESGO SARA DE LOS EE. UU. (SECCIÓN 311/312, CFR 40, 370-21):** Gases a Presión.
 - **CANTIDAD PARA INFORMAR DE LA CERCLA (RQ):** No corresponde.
 - **ESTADO DE INVENTARIO DE LA TSCA:** Todos los ingredientes de este producto están enumerados en el Inventario de la TSCA.
 - **SARA DE LOS EE. UU, SECCIÓN 313:** : 2-Butoxietanol está sujeto a los requisitos de notificación (en la categoría de éter de glicol).
 - **ESTADO DE LA LEY DE CALIFORNIA PARA EL AGUA POTABLE (PROPUESTA 65):** No corresponde.
- **NORMAS INTERNACIONALES**
 - **ESTADO REGULATORIO CANADIENSE: ESTADO REGULATORIO CANADIENSE:** El producto está clasificado como peligroso de acuerdo con las normas de Productos peligrosos (SOR-2015-17).
 - WHMIS 2015: Consulte la sección 2.
 - Esta SDS contiene toda la información exigida por el HPR.
 - **ESTADO DE INVENTARIO DSL/NDL DE CANADÁ:** Todos los ingredientes de este producto están enumerados en el Inventario de DSL/NDL.
 - **LISTAS DE SUSTANCIAS PRIORITARIAS DE LA LEY PARA LA PROTECCIÓN AMBIENTAL DE CANADÁ (CEPA):** Los ingredientes de este producto no se encuentran en la lista de sustancias prioritarias de la CEPA.

SECCIÓN 16: INFORMACIÓN ADICIONAL

16.1 INDICACIÓN DE CAMBIOS

- **FECHA DE REVISIÓN:** 30 de noviembre de 2022
- **ANULA:** No corresponde.
- **CAMBIO INDICADO:** Nuevo producto.

16.2 REFERENCIAS CLAVE A DOCUMENTOS Y FUENTES DE DATOS

- HOJAS DE DATOS DE SEGURIDAD PARA LOS INGREDIENTES DE LOS PRODUCTOS.
- Norma federal de Comunicación de riesgos de la OSHA: CFR 29, 1910.1200.

16.3 SISTEMA DE CLASIFICACIÓN DE MATERIALES PELIGROSOS

Salud	0	<u>Calificación del Equipo de Protección Personal de HMIS:</u> Situaciones de uso laboral: Consulte la Sección 8 para obtener orientación sobre el equipo de protección personal.
Inflamabilidad	1	
Riesgos físicos	1	
Equipo de protección	--	

16.4 AVISO

Waxie's Enterprises, LLC., una empresa de Envoy Solutions (WAXIE) no garantiza, expresa ni asegura la precisión, suficiencia o integridad del material establecido en el presente documento. Es responsabilidad del usuario determinar la seguridad, toxicidad e idoneidad de su propio uso, manejo y eliminación de este producto. Debido a que el uso real por parte de otros está fuera de nuestro control, WAXIE no expresa ni implica ninguna garantía sobre los efectos de dicho uso, los resultados al haberlos obtenido o la seguridad y toxicidad de este producto, y WAXIE tampoco asume ninguna responsabilidad surgida del uso de este producto por parte de otros, al que se hace referencia en el presente documento. Los datos de esta SDS se relacionan únicamente con el material específico designado en el presente y no están relacionados con su uso en combinación con otros materiales o en otro proceso. WAXIE no recomienda mezclar este producto con otras sustancias químicas. Toda la información, recomendaciones y datos contenidos en el presente relativos a este producto se basan en la información disponible en el momento de la redacción, provenientes de fuentes técnicas reconocidas.

SECCIÓN 16: INFORMACIÓN ADICIONAL

16.5 ABREVIATURAS Y ACRÓNIMOS

TODAS LAS SECCIONES: OSHA: Administración Federal de Seguridad y Salud Ocupacional de los EE. UU. WHMIS: Norma para el Manejo de Materiales Peligrosos en el Lugar de Trabajo de Canadá. GHS: Sistema de Clasificación Mundialmente Armonizado de Sustancias Químicas.

SECCIÓN 3: Número de CAS: Número de Registro de resúmenes químicos, el cual es utilizado por la Sociedad Americana de Sustancias Químicas para identificar particularmente a una sustancia química.

SECCIÓN 5: NFPA: Asociación Nacional para la Protección contra Incendios. CLASIFICACIÓN DE NFPA SOBRE INFLAMABILIDAD: La NFPA utiliza el punto de inflamación (FI.P.) y el punto de ebullición (BP) para clasificar los líquidos inflamables o combustibles. Clase IA: FI.P. inferior a 73 °F y BP inferior a 100 °F. Clase IB: FI.P. inferior a 73 °F y BP igual o superior a 100 °F. Clase IC: FI.P. igual o superior a 73 °F y BP igual o superior a 100 °F. Clase II: FI.P. igual o superior a 100 °F e inferior a 140 °F. Clase IIIA: FI.P. igual o superior a 140 °F e inferior a 200 °F. Clase IIIB: FI.P. igual o superior a 200 °F. CALIFICACIÓN DE MATERIALES PELIGROSOS DE NFPA: Éste es un sistema de calificaciones utilizado para resumir los riesgos físicos y de salud para los bomberos. 0 = Sin riesgo significativo. 1 = Riesgo leve. 2 = Riesgo moderado. 3 = Riesgo grave. 4 = Riesgo extremo.

SECCIÓN 8: NE: No establecido. ACGIH: Conferencia Americana de Higienistas Industriales del Gobierno; TWA: Promedio ponderado en el tiempo (durante un día de trabajo de 8 horas); STEL: Límite de Exposición a Corto Plazo (un promedio de 15 minutos, no más de 4 veces al día y cada exposición con diferencia de una hora como mínimo); C: Límite máximo (la concentración no debe excederse en un ambiente laboral). PEL: Límite de exposición permisible. NIOSH: Instituto Nacional de la Seguridad y Salud Laborales; REL: Límite recomendado de exposición. ppm: Partes por millón. mg/m³: Miligramos por metro cúbico. mppcf: Millones de partículas por pie cúbico. BEI: Límite de exposición biológica. CA: California - TABLA AC-1 Límites de exposición permitidos para contaminantes en el aire.

SECCIÓN 9: pH: Escala (del 0 al 14) utilizada para medir la acidez o alcalinidad de soluciones acuosas. Por ejemplo, un valor pH de 0 señala que se trata de una solución muy ácida, un pH de 7 señala que es una solución neutral, y un valor pH de 14 indica una solución muy alcalina (base). PUNTO DE INFLAMACIÓN: La temperatura a la cual un líquido genera suficientes vapores inflamables como para que ocurra la ignición. TEMPERATURA DE AUTOINFLAMACIÓN: La temperatura a la cual ocurre una ignición espontánea. LÍMITE EXPLOSIVO INFERIOR (LEL): La concentración mínima de vapores inflamables en el aire que pueden provocar una ignición. LÍMITE EXPLOSIVO SUPERIOR (UEL): La concentración máxima de vapores inflamables en el aire que pueden provocar una ignición. ≈: Símbolo de aproximadamente. VOC: Compuesto orgánico volátil.

SECCIÓN 11: CONDICIÓN CARCINÓGENA: NTP: Programa Nacional de Toxicología. IARC: Agencia Internacional para la Investigación del Cáncer. INFORMACIÓN DE TOXICIDAD REPRODUCTIVA: Mutágeno: Una sustancia que puede causar daños en los cromosomas de las células. Embriotoxina: Una sustancia que puede dañar el embrión en desarrollo en una mujer que sufre sobreexposición. Teratógeno: Una sustancia que puede dañar el feto en desarrollo en una mujer que sufre sobreexposición. Toxina de la reproducción: Una sustancia que puede afectar adversamente a los órganos reproductores femenino o masculino o sus funciones. DATOS TOXICOLÓGICOS: LD_{xx} o LC_{xx}: La Dosis letal o Concentración letal de una sustancia que resultaría mortal en un porcentaje dado (xx) de pruebas en animales expuestos por la vía designada de administración. Este valor se utiliza para conocer la toxicidad de sustancias químicas en humanos. TD_{xx} o TC_{xx}: La Dosis tóxica o Concentración tóxica de una sustancia que ocasionaría un efecto adverso en un porcentaje dado (xx) de pruebas en animales expuestos por la vía designada de administración.

SECCIÓN 12: EC50: Concentración de efecto (en el 50% del grupo de estudio); BOD: Demanda biológica de oxígeno. COD: Demanda química de oxígeno. ThOD: Demanda teórica de oxígeno. TLM: Límite de tolerancia media.

SECCIÓN 13: RCRA: Ley para la Conservación y Recuperación de Recursos. Las normas promulgadas de conformidad con esta ley se encuentran en el CFR 40, secciones 260 ff, y definen los requisitos de la generación, transporte, tratamiento, almacenamiento y eliminación de residuos peligrosos. Códigos de residuos RCRA de la EPA: Se definen en el CFR 40, sección 261.

SECCIÓN 15: CERCLA: Ley Integral de Compensación, Responsabilidad y Respuesta Ambiental (también conocida como "Superfund") y SARA: (Ley de Modificación y Reautorización de la Superfund). Las normas promulgadas de acuerdo con esta ley se localizan en el CFR 40, 300 ff. y brindan los requisitos de "el derecho a saber de la comunidad". TSCA: Ley de Control de Sustancias Tóxicas: Las normas que rigen la fabricación y venta de sustancias químicas, ubicadas en el CFR 40, 700-766. DSL/NDL: Listas canadienses de Sustancias Domésticas y no Domésticas.

SECCIÓN 16: SISTEMA DE CALIFICACIÓN PARA LA IDENTIFICACIÓN DE MATERIALES PELIGROSOS: Este es un sistema de calificación utilizado por el sector para resumir los riesgos físicos y a la salud de los usuarios de sustancias químicas, y fue desarrollado originalmente por la Asociación Nacional de Pinturas y Recubrimientos. 0 = Sin riesgo significativo. 1 = Riesgo leve. 2 = Riesgo moderado. 3 = Riesgo grave. 4 = Riesgo extremo.

SAFETY DATA SHEET



This Safety Data Sheet (SDS) complies with the requirements of the U.S. Federal Occupational Safety and Health Administration Hazard Communication Standard (29 CFR 1910.1200, as updated in 2012) and equivalent state Standards. It has also been developed in accordance with the United Nations Globally Harmonized System of Classification of Chemicals (GHS) and the Canadian Workplace Hazardous Materials Information System (.).

SECTION 1: IDENTIFICATION

1.1 PRODUCT IDENTIFIER

- ITEM NUMBER(S): 1077410
- PRODUCT NAME: **WAXIE Pro Graffiti Remover**
 - 1 QT: 1077410

1.2 RELEVANT IDENTIFIED USES OF THE MIXTURE

- RECOMMENDED USE: Paint and ink removal.
- IDENTIFIED USERS: For sale to, use and storage by service persons only.

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

- MANUFACTURER/
SUPPLIER: **Waxie's Enterprises, LLC, an Envoy Solutions Company**
- ADDRESS: 9353 Waxie Way; San Diego, CA 92123-1036
- BUSINESS PHONE: 1-800-995-4466
- EMERGENCY PHONE: 1-800-255-3924 (CHEMTEL; 24 hours)

1.4 OTHER PERTINENT INFORMATION

- This product is sold and used in relatively small volumes (e.g., 1 quart gallon containers). This SDS has been developed to address safety concerns affecting small volume handling situations and those involving warehouses and workplaces where large numbers of these items are stored or distributed.

SECTION 2: HAZARD IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

OSHA/HCS Status

Classification of the Substance or Mixture Skin Irritation (Category 2); Eye damage (Category 1); Skin sensitization (Category 1); Flammable liquid (Category 3)

2.2 LABEL ELEMENTS

ELEMENT

Hazard Pictograms



Signal Word DANGER

Hazard Statements H315: Causes skin irritation. H318: Causes serious eye damage. H317: May cause an allergic skin reaction.

H226: Flammable liquid and vapor.

Precautionary Statements

Prevention P102: Keep out of reach of children. P103: Read label before use. P233: Keep container tightly closed. P210: Keep away from heat, sparks, open flames, and hot surfaces. No smoking. P240: Ground/bond container and receiving equipment. P241: Use explosion-proof electrical/ventilating/lighting/.../ equipment. P242: Use only non-sparking tools. P243: Take precautionary measures against static discharge. P261: Avoid breathing mist, vapor, or spray. P264: Wash hands and exposed skin thoroughly after use. P272: Contaminated work clothing must not be allowed out of the workplace. P280: Wear eye protection/face protection/protective clothing/protective gloves.

Response P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310: Immediately call a POISON CENTER or doctor/physician. P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P333+313: If skin irritation or rash occurs: Get medical advice/attention. P363: Wash contaminated clothing before reuse. P370: IN CASE OF FIRE: Use Class B extinguisher (dry chemical, CO₂, foam).

SECTION 2: HAZARD IDENTIFICATION (Continued)

Precautionary Statements

Storage

P410+403: Store in a cool dry place at room temperature away from direct sunlight. Triple rinse container and offer for recycling.

Disposal

P501: Dispose of contents and container according to the local, city, state, and federal regulations.

2.3 OTHER PERTINENT HAZARDS NOT OTHERWISE CLASSIFIED

- AQUATIC TOXICITY:** Aquatic Toxicity – Acute (Category 3); Aquatic Toxicity – Chronic (Category 3). Harmful to aquatic life with long lasting effects. Avoid release into the environment.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 SUBSTANCES/MIXTURES

CHEMICAL	CAS NUMBER	GHS HAZARD CLASSIFICATION FOR CHEMICAL	% (w/w)
Solvent 1	Proprietary ¹	Not classified.	> 20 – < 30
Solvent 2	Proprietary	Not classified.	> 20 – < 30
Anionic Surfactant	Proprietary	Eye damage (Category 1); Skin irritation (Category 2)	> 10 – < 15
Nonionic Surfactant	Proprietary	Eye irritation (Category 2B)	> 0 – < 5
D-Limonene	5989-27-5	Flammable liquids (Category 3); Skin irritation (Category 2); Skin sensitization (Category 1); Aspiration hazard (Category 1); Acute aquatic toxicity (Category 1); Chronic aquatic toxicity (Category 1)	> 0 – < 4
Acetone	67-64-1	Flammable liquids (Category 2); Eye irritation (Category 2A); Specific target organ toxicity – Single Exposure (Category 3, central nervous system).	> 0 – < 3

SECTION 4: FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES

AREA EXPOSED

Eye Contact

Flush with copious amounts of water for 15 minutes. "Roll" eyes during flush. Check for and remove contact lenses. Seek medical attention immediately.

Skin Contact

Flush area with warm, running water for several minutes. Seek medical attention if irritation persists or rash develops.

Inhalation

Obtain fresh air.

Ingestion

If conscious only: Rinse mouth with water. Do not induce vomiting. Contact a Poison Control Center or physician for instructions.

4.2 MOST IMPORTANT ACUTE AND CHRONIC EXPOSURE SYMPTOMS

- ACUTE HEALTH EFFECTS:**

AREA EXPOSED

Eye Contact

Causes serious eye damage.

Skin Contact

Causes skin irritation.

Inhalation

May cause mild respiratory tract irritation; symptoms may include coughing and sneezing depending on volume of mist/spray inhaled.

Ingestion

May cause gastrointestinal system irritation; symptoms may include pain, diarrhea, nausea and vomiting if large volumes are ingested.

¹ The exact percentage and composition have been withheld as a trade secret. All relevant physical and health hazards have been declared, in accordance with regulatory requirements.

SECTION 4: FIRST AID MEASURES (Continued)

- **CHRONIC HEALTH EFFECTS:** This product contains D-Limonene, which is a skin sensitizer. Prolonged or repeated exposures can cause redness, rash, itching and dermatitis.
- **TARGET ORGANS:** Eyes, skin.

4.3 INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

- **GENERAL INFORMATION: For all exposures:** In case of accident, or if you feel unwell, seek medical advice immediately. Take this document and a copy of the label to the healthcare professional.
- **RECOMMENDATIONS TO PHYSICIANS:** Treat symptomatically.
- **MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE:** Conditions impacting the target organs can be adversely affected by overexposures.

SECTION 5: FIREFIGHTING MEASURES

5.1 EXTINGUISHING MEDIA

- **RECOMMENDED FIRE EXTINGUISHING MEDIA:** Water Spray, Water Jet, Dry Powder, Foam, Carbon Dioxide, or any other.
- **UNSUITABLE FIRE EXTINGUISHING MEDIA:** None known.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

- **NFPA FLAMMABILITY CLASSIFICATION:**

NFPA Rating



NFPA Classification

Class II Combustible Liquid

- **UNUSUAL HAZARDS IN FIRE SITUATIONS:**

Decomposition Products

Carbon dioxide, carbon monoxide, other carbon-containing compounds, and irritating vapors.

Explosion Sensitivity to Mechanical Impact

Not applicable.

Explosion Sensitivity to Static Discharge

Not applicable.

5.3 ADVICE FOR FIREFIGHTERS

- Self-Contained Breathing Apparatus and full protective equipment for fire response should be worn in any situation. Move containers from fire area if it can be done without risk to personnel. Otherwise, use water spray to keep fire-exposed containers cool. Because this product is a cleaning agent, any equipment that comes in contact with this solution can be rinsed thoroughly with water and then returned to service.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES

- **RESPONSE TO INCIDENTAL RELEASES:** Personnel who have received basic chemical safety training can generally handle small-scale releases. Gloves and safety glasses must be worn when cleaning-up spills. Use caution during clean-up; contaminated floors and items may be slippery.
- **RESPONSE TO NON-INCIDENTAL RELEASES:** Generally, releases of this product will be no larger than the loss of one shipment of material. Subsequently, personnel can follow the instructions for incidental releases. As needed, respond to non-incident chemical releases of this product (such as the simultaneous destruction of several pallets of this product) by clearing the impacted area and contacting appropriate emergency personnel.
- **RESPONSE PROCEDURES FOR ANY RELEASE:** Absorb spilled liquid with polypads or other suitable absorbent materials. Rinse area thoroughly. Because this product is a cleaning agent, all items that come in contact with the solution can be returned to service after rinsing.

SECTION 6: ACCIDENTAL RELEASE MEASURES (Continued)

6.2 ENVIRONMENTAL PRECAUTIONS

- Avoid response actions that can cause a release of a significant amount of product into the environment. Avoid accidental dispersal of spilled material into soil, waterways, and sewers.

6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

- **SPILL RESPONSE EQUIPMENT:** Polypad or other absorbent material.

6.4 REFERENCES TO OTHER SECTIONS

- **SECTION 8:** For exposure levels and detailed personal protective equipment recommendations.
- **SECTION 13:** For waste handling guidelines.

SECTION 7: HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

Hygiene Practices Keep out of reach of children. Follow good chemical hygiene practices. Do not smoke, drink, eat, or apply cosmetics in the chemical use area. Avoid inhalation of mists and sprays. Use in well-ventilated areas. Avoid contact with skin and eyes. Remove contaminated clothing promptly. Clean up spilled product immediately.

Handling Practices Employees must be appropriately trained to use this product safely as needed. Keep containers closed when not in use.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Storage Practices Ensure all containers are correctly labeled. Store containers away from direct sunlight, sources of intense heat, or where freezing is possible. Store this product away from incompatible chemicals. Inspect all incoming containers before storage, to ensure containers are properly labeled and not damaged. Empty containers may contain residual liquid; therefore, empty containers should be handled with care. Do not puncture, cut, or weld empty containers.

Incompatibilities See Section 10 (Stability and Reactivity).

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

- **AIRBORNE EXPOSURE LIMITS:** The following components have published airborne exposure limits.

COMPONENT	ACGIH TLV	OSHA PEL	NIOSH REL	OTHER
Acetone	TWA = 250 ppm; STEL = 500 ppm	TWA = 1000 ppm	TWA = 250 ppm	NIOSH IDLH 2500 ppm (10% LEL) CA PEL: TWA = 500 ppm; STEL = 750 ppm

- **BIOLOGICAL OCCUPATIONAL EXPOSURE LIMITS:** The following components have established Biological Exposure Indices (BEIs).
 - **ACETONE:** Acetone in urine; end of shift; 25 mg/L

8.2 EXPOSURE CONTROLS

Engineering Controls Use in well-ventilated environment.
Respiratory Protection None needed in normal circumstances of use.
Hand Protection Neoprene, nitrile, or butyl gloves are recommended. Ensure gloves are intact prior to use.
Eye Protection Safety glasses or goggles.
Body Protection Standard protection used in janitorial service.

8.3 PERSONAL PROTECTION SYMBOLS

Hand Protection



Eye Protection



SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear liquid.
Odor	Citrus scent.
Odor Threshold	Not determined.
pH	5.25-7.25
Melting Point/Freezing Point	Not determined.
Initial Boiling Point/Boiling Range	> 100°C (212 °F).
Flash Point	50°C (122 °F).
Evaporation Rate (Water = 1)	Not determined.
Flammability	NFPA Class II Combustible Liquid. GHS Flammable Liquid (Category 3)
Upper/Lower Explosive Limits	Not determined.
Vapor Pressure	Not determined.
Vapor Density	Not determined.
Relative Density (Density)	0.99-1.02 (8.25-8.50 lb./gal)
Solubility	Soluble in water.
Partition Coefficient/n-octanol/water	Not determined.
Autoignition Temperature	Not applicable.
Decomposition Temperature	Not determined.
Viscosity	Not determined.

9.2 OTHER INFORMATION

- **VOC (less water & exempt):** Not determined. COC CARB Compliant, LVP exempt solvent system used.
- **WEIGHT% VOC:** Not determined.

SECTION 10: STABILITY AND REACTIVITY

10.1 REACTIVITY

- Not reactive under typical conditions of use or handling.

10.2 CHEMICAL STABILITY

- Normally stable under standard temperatures and pressures.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS

- Product is not self-reactive, water-reactive, or air-reactive; it will not undergo hazardous polymerization.

10.4 CONDITIONS TO AVOID

- Avoid contact with incompatible chemicals and adverse storage conditions.

10.5 INCOMPATIBLE MATERIALS

- Strong oxidizing agents, strong reducing agents, acids.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

- Products of thermal decomposition include oxides of carbon (i.e., carbon monoxide and carbon dioxide) and other carbon-containing compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

- **ACUTE TOXICITY:**
 - **PRODUCT TOXICOLOGY DATA:** The following are calculated estimates for the product:
 - Acute Toxicity Estimate (Oral) > 2000 mg/kg
 - Acute Toxicity Estimate (Dermal) > 5000 mg/kg
 - Acute Toxicity Estimate (Inhalation) > 30 mg/L

SECTION 11: TOXICOLOGICAL INFORMATION (Continued)

- **(DEGREE OF IRRITATION:** Causes serious eye damage. Causes skin irritation. See Section 4 (First-Aid Measures) for additional details.
- **SENSITIZATION:** This product contains DL-Limonene, which is a skin sensitizer. Prolonged or repeated exposures can cause redness, rash, itching and dermatitis.
- **REVIEW OF ACUTE SYMPTOMS AND EFFECTS BY ROUTE OF EXPOSURE:** See Section 2 (Hazards Information) and Section 4 (First Aid Measures) for additional details.

Eyes	Causes serious eye irritation.
Skin	Causes skin irritation.
Inhalation	May cause mild respiratory tract irritation; symptoms may include coughing and sneezing depending on volume of mist/spray inhaled.
Ingestion	May cause gastrointestinal system irritation; symptoms may include pain, diarrhea, nausea and vomiting if large volumes are ingested.

CHRONIC TOXICITY:

- **CARCINOGENICITY STATUS:** The following carcinogenicity listings have been for components of this product. NO indicates the substance is not designated as a carcinogen by the agency.

CHEMICAL	IARC	NTP	NIOSH	OSHA	OTHER
Acetone	NO	NO	NO	NO	EPA: Data is Inadequate. ACGIH TLV-A4: Not Classifiable as a Human Carcinogen.

- **REPRODUCTIVE TOXICITY INFORMATION:** The components of this product are not reported to cause reproductive effects under typical circumstances of exposure.
- **MUTAGENIC EFFECTS:** The components of this product are not reported to cause mutagenic effects under typical circumstances of exposure.
- **SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE:** Not applicable.
- **SPECIFIC TARGET ORGAN TOXICITY – REPEATED EXPOSURE:** Not applicable.
- **ASPIRATION HAZARD:** Not applicable.
- **OTHER INFORMATION:**
 - **TOXICOLOGICALLY SYNERGISTIC PRODUCTS:** None known.
 - **ADDITIONAL TOXICOLOGY:** Not applicable.

SECTION 12: ECOLOGICAL INFORMATION

12.1 TOXICITY

- Based on available data, this product may be harmful to contaminated terrestrial or aquatic plants or animals, depending on the volume released into the environment.
- Based on the composition of the mixture, this product is classified as Aquatic Toxicity – Acute (Category 3); Aquatic Toxicity – Chronic (Category 3).

12.2 PERSISTENCE AND DEGRADABILITY

- When released into the soil, the components of this product are expected to biodegrade, dissipate in soils via oxidation, or otherwise chemically degrade or photo-decompose via solar radiation.

12.3 BIOACCUMULATIVE POTENTIAL

- This product is not anticipated to bioaccumulate significantly.

12.4 MOBILITY IN SOIL

- It is to be expected this product will have some mobility in soil.

12.5 OTHER ADVERSE EFFECTS

- None reported.

SECTION 13: DISPOSAL CONSIDERATION

13.1 WASTE TREATMENT METHODS

- Dispose of it in accordance with local, State and Federal regulations.

13.2 DISPOSAL CONSIDERATIONS

- EPA RCRA WASTE CODE: D001; Applicable to wastes consisting only of this product.

SECTION 14: TRANSPORT INFORMATION

NOTE: This product is packaged in LIMITED QUANTITY volumes. Follow the requirements for Limited Quantity packagings appropriate to the mode of transport.

DEPARTMENT OF TRANSPORTATION HAZARDOUS MATERIALS SHIPPING REGULATIONS:

UN/NA Number	Proper Shipping Name	Packing Group	Hazard Class	Label	North American Emergency Response Guide #	Marine Pollutant Status
This product is packaged in Limited Quantity volumes. Follow requirements in 49 CFR 173.150				Limited Quantity	Not Applicable	Not Applicable

- **CANADIAN TRANSPORTATION INFORMATION:** This product is regulated by Transport Canada as dangerous goods under Canadian transportation standards. Refer to above information.
- **IATA DESIGNATION:** This product is regulated as dangerous goods by the International Air Transport Association.

UN/NA Number	Proper Shipping Name	Packing Group	Hazard Class	Labels	LIMITED QUANTITY: Packing Instruction (Max. Qty per PKG)
UN1993	Flammable liquid, n.o.s. (Acetone, Solvent Mixture)	III	3	Flammable Liquid Limited Quantity (Air)	Y344 (10L)

- **IMO DESIGNATION:** This product is regulated as dangerous goods by the International Maritime Organization. Follow guidance in IMO International Maritime Dangerous Goods Code, Section 3.4.

UN/NA Number	Proper Shipping Name	Packing Group	Hazard Class	Label	Max. Qty per PKG	EM-S
This product is packaged in limited quantity volumes. Follow the instructions in the IMO International Maritime Dangerous Goods Code, Section 3.4.				Limited Quantity	5L	FA-SB

14.2 ENVIRONMENTAL HAZARDS

- None described as related to transportation.

14.3 SPECIAL PRECAUTIONS FOR USERS

- Not applicable.

14.4 TRANSPORT IN BULK

- Not applicable.

SECTION 15: REGULATORY INFORMATION

15.1 SAFETY, HEALTH, AND ENVIRONMENTAL REGULATIONS SPECIFIC FOR THE PRODUCT

• OTHER IMPORTANT U.S. REGULATIONS

- **U.S. SARA HAZARD CATEGORIES (SECTION 311/312, 40 CFR 370-21):** Skin Corrosion/Irritation; Eye Damage/Irritation; Respiratory/Skin Sensitization; Flammable Liquids.
- **U.S. SARA TITLE 313:** No component is subject to the reporting requirements under SARA.
- **U.S. CERCLA REPORTABLE QUANTITY (RQ):** Acetone = 5000 lb.
- **U.S. TSCA INVENTORY STATUS:** All components of this product are listed on the TSCA Inventory.
- **CALIFORNIA SAFE DRINKING WATER ACT (PROPOSITION 65) STATUS:** Not applicable.

• INTERNATIONAL REGULATIONS

- **CANADIAN REGULATORY STATUS:** The product is classified as hazardous under the Hazardous Products Regulations. This SDS contains all information required by Health Canada.
 - **2015 WMIS:** See Section 2.
- **CANADIAN DSL/NDSL INVENTORY STATUS:** The listed components of this product are on the DSL/NDSL Inventory.
- **CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITY SUBSTANCES LISTS:** The components of this product are not on the CEPA Priority Substances Lists.

SECTION 16: OTHER INFORMATION

16.1 INDICATION OF CHANGE

- **DATE OF REVISION:** September 29, 2023.
- **SUPERCEDES:** December 18, 2020.
- **CHANGE INDICATED:** Update of manufacturer information, addition of H/P Codes; regulatory review and update; establishing distinction between professional and consumer use personal protective equipment.

16.2 KEY LITERATURE REFERENCES AND SOURCES FOR DATA

- SAFETY DATA SHEETS FOR COMPONENT PRODUCTS.
- Federal OSHA Hazard Communication Standard: 29 CFR 1910.1200.

16.3 HAZARDOUS MATERIALS CLASSIFICATION SYSTEM

Health	1*	* Skin Sensitization
Flammability	2	
Physical Hazard	0	<u>HMIS Personal Protective Equipment Rating:</u> Refer to section 8 for guidance on personal protective equipment selection.
Protective Equipment	*	

16.4 DISCLAIMER

Waxie's Enterprises, LLC, an Envoy Solutions Company (WAXIE), makes no warranty, representation or guarantee as to the accuracy, sufficiency or completeness of the material set forth herein. It is the user's responsibility to determine the safety, toxicity and suitability of their own use, handling, and disposal of this product. Since actual use by others is beyond our control, no warranty, expressed or implied, is made by WAXIE as to the effects of such use, the results to be obtained or the safety and toxicity of this product, nor does WAXIE assume any liability arising out of the use by others of this product referred to herein. The data in this SDS relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. WAXIE does not recommend blending this product with any other chemicals. All information, recommendations and data contained herein concerning this product are based upon information available at the time of writing from recognized technical sources.

SECTION 16: OTHER INFORMATION

16.5 ABBREVIATIONS AND ACRONYMS

ALL SECTIONS: OSHA: U.S. Federal Occupational Safety and Health Administration. WHMIS: Canadian Workplace Hazardous Materials Standard. GHS: Globally Harmonized System of Classification of Chemical Substances.

SECTION 3: CAS Number: Chemical Abstract Service Number, which is used by the American chemical Society to uniquely identify a chemical.

SECTION 5: NFPA: National Fire Protection Association. NFPA FLAMMABILITY CLASSIFICATION: The NFPA uses the flash point (F.P.) and boiling point (BP) to classify flammable or combustible liquids. Class IA: F.P. below 73°F and BP below 100°F. Class IB: F.P. below 73°F and BP at or above 100°F. Class IC: F.P. at or above 73°F and BP at or above 100°F. Class II: F.P. at or above 100°F and below 140°F. Class IIIA: F.P. at or above 140°F and below 200°F. Class IIIB: F.P. at or above 200°F. NFPA HAZARDOUS MATERIALS RATING: This is a rating system used to summarize physical and health hazards to firefighters. 0 = No Significant Hazard. 1 = Slight Hazard. 2 = Moderate Hazard. 3 = Severe Hazard. 4 = Extreme Hazard.

SECTION 8: NE: Not established. ACGIH: American Conference of Government Industrial Hygienists; TWA: Time-Weighted Average (over an 8-hour workday); STEL: Short-Term Exposure Limit (15-minute average, no more than 4-times daily and each exposure separated by one-hour minimally); C: Ceiling Limit (concentration not to be exceeded in a work environment). PEL: Permissible Exposure Limit. NIOSH: National Institute of Occupational Safety and Health; REL: Recommended Exposure Limit; IDLH: Immediately Dangerous to Life and Health Concentrations. *Note*: In July 1992, a court ruling vacated the more protective PELs set by OSHA in 1989. Because OSHA may enforce the more protective levels under the "general duty clause," both the current and vacated levels are presented in this document. ppm: Parts per Million. mg/m³: Milligrams per cubic meter. mppcf: Millions of Particles per Cubic Foot. BEI: Biological Exposure Limit. IDLH: Immediately Dangerous to Life and Health; CA PEL: California TABLE AC-1 PERMISSIBLE EXPOSURE LIMITS FOR CHEMICAL CONTAMINANTS

SECTION 9: pH: Scale (0 to 14) used to rate the acidity or alkalinity of aqueous solutions. For example, a pH value of 0 indicates a strongly acidic solution, pH of 7 indicates a neutral solution, and a pH value of 14 indicates an extremely basic solution. FLASH POINT: Temperature at which a liquid generates enough flammable vapors so that ignition may occur. AUTOIGNITION TEMPERATURE: Temperature at which spontaneous ignition occurs.

SECTION 9 (Continued): LOWER EXPLOSIVE LIMIT (LEL): The minimal concentration of flammable vapors in air which will sustain ignition. UPPER EXPLOSIVE LIMIT (UEL): The maximum concentration of flammable vapors in air which will sustain ignition.: Approximately symbol. VOC: Volatile Organic Compound. CARB: California Air Resources Board.

SECTION 11: CARCINOGENICITY STATUS: NTP: National Toxicology Program. IARC: International Agency for Research on Cancer. REPRODUCTIVE TOXICITY INFORMATION: Mutagen: Substance capable of causing chromosomal damage to cells. Embryotoxin: Substance capable of damaging the developing embryo in an overexposed female. Teratogen: Substance capable of damaging the developing fetus in an overexposed female. Reproductive toxin: Substance capable of adversely affecting male or female reproductive organs or functions. TOXICOLOGY DATA: LD_{xx} or LC_{xx}: The Lethal Dose or Lethal Concentration of a substance which will be fatal to a given percentage (xx) of exposed test animals by the designated route of administration. This value is used to assess the toxicity of chemical substances to humans. TD_{xx} or TC_{xx}: The Toxic Dose or Toxic Concentration of a substance which will cause an adverse effect to a given percentage (xx) of exposed test animals by the designated route of administration.

SECTION 12: EC₅₀: Effect Concentration (on 50% of study group); BOD: Biological Oxygen Demand. N/LOEC: No/Lowest Observable Effect Concentration.

SECTION 13: RCRA: Resource Conservation and Recovery Act. The regulations promulgated under this act are found in 40 CFR, Sections 260 ff, and define the requirements of hazardous waste generation, transport, treatment, storage, and disposal. EPA RCRA Waste Codes: Defined in 40 CFR Section 261.

SECTION 15: CERCLA: Comprehensive Environmental Response Compensation and Liability Act (a.k.a. "Superfund") and SARA: (Superfund Amendment and Reauthorization Act). The regulations promulgated under this Act are located under 40 CFR 300 ff. and provide "community right-to-know" requirements. TSCA: Toxic Substances Control Act: Rules regulating the manufacture and sale of chemicals found in 40 CFR 700-766. DSL/NDSL: Canadian Domestic Substances and Non-Domestic Substances Lists.

SECTION 16: HAZARDOUS MATERIALS IDENTIFICATION SYSTEM RATING: This is a rating system used by industry to summarize physical and health hazards to chemical users and was originally developed by the National Paint and Coating Association. 0 = No Significant Hazard. 1 = Slight Hazard. 2 = Moderate Hazard. 3 = Severe Hazard. 4 = Extreme Hazard.

HOJA DE DATOS DE SEGURIDAD



Esta Hoja de datos de seguridad (SDS) cumple con los requisitos de la Norma federal de comunicación de riesgos de la Administración de Seguridad y Salud Ocupacional de los EE. UU. (CFR 29, 1910.1200, conforme a la actualización de 2012) y las normas estatales equivalentes. También ha sido desarrollada de acuerdo con el Sistema Mundialmente Armonizado de Clasificación de Productos Químicos de las Naciones Unidas (GHS) y el Sistema de Información de Materiales Peligrosos en el Lugar de Trabajo, de Canadá (WHMIS). Consulte la sección 16 de este documento para conocer la definición de los términos y abreviaturas.

SECCIÓN 1: IDENTIFICACIÓN

1.1 IDENTIFICADOR DEL PRODUCTO

- NÚMERO(S) DE ARTÍCULO: 1077410
- NOMBRE DEL PRODUCTO: **WAXIE Pro Removedor de graffiti**
 - 1 QT: 1077410

1.2 USOS RELEVANTES E IDENTIFICADOS DE LA MEZCLA

- USO RECOMENDADO: Remoción de pintura y tinta.
- USUARIOS IDENTIFICADOS: Para la venta, uso y almacenamiento solo por parte del personal de servicio.

1.3 DETALLES DEL PROVEEDOR DE LA HOJA DE DATOS DE SEGURIDAD

- FABRICANTE/
PROVEEDOR: **Waxie's Enterprises, LLC., una empresa de Envoy Solutions**
- DIRECCIÓN: 9353 Waxie Way; San Diego, CA 92123-1036
- TELÉFONO DE OFICINA: 1-800-995-4466
- TELÉFONO DE EMERGENCIAS: 1-800-255-3924 (CHEMTEL; las 24 horas)

1.4 OTRA INFORMACIÓN PERTINENTE

- Este producto se vende y utiliza en cantidades relativamente pequeñas (es decir, envases de 1 galón). Esta SDS se ha desarrollado para abordar las inquietudes de seguridad que afectan las situaciones de la manipulación de pequeñas cantidades y las que involucran a los almacenes y sitios de trabajo donde se almacenan o distribuyen grandes cantidades de estos artículos.

SECCIÓN 2: IDENTIFICACIÓN DE RIESGOS

2.1 CLASIFICACIÓN DE LA SUSTANCIA O MEZCLA

Estado según la OSHA/HCS

Clasificación de la sustancia o mezcla Irritación de la piel (Categoría 2); Daño ocular (Categoría 1); Sensibilidad de la piel (Categoría 1); Líquido inflamable (Categoría 3)

2.2 ELEMENTOS DE LA ETIQUETA

ELEMENTO

Pictogramas de riesgo



Palabra de advertencia PELIGRO

Declaraciones del riesgo H315: Provoca irritación cutánea. H318: Provoca lesiones oculares graves. H317: Puede provocar una reacción cutánea alérgica. H226: Líquido y vapores inflamables.

Declaraciones de precaución

Prevención

P102: Mantener fuera del alcance de los niños. P103: Leer la etiqueta antes del uso. P233: Mantener el recipiente herméticamente cerrado. P210: Mantener alejado del calor, chispas, llamas al descubierto, superficies calientes y otras fuentes de ignición. No fumar. P240: Conectar a tierra/enlace equipotencial del recipiente y del equipo de recepción. P241: Utilizar material eléctrico/ de ventilación/ iluminación/ antideflagrante. P242: No utilizar herramientas que produzcan chispas. P243: Tomar medidas de precaución contra las descargas electrostáticas. P261: Evitar respirar nieblas, vapores, y aerosoles. P264: Lavarse las manos y la piel cuidadosamente después de la manipulación. P280: Usar guantes / ropa de protección / equipo de protección para la cara / los ojos. P272: La ropa de trabajo contaminada no debe salir del lugar de trabajo.

Respuesta

P305+351+338: EN CASO DE CONTACTO CON LOS OJOS: Enjuagar con agua cuidadosamente durante varios minutos. Quitar los lentes de contacto cuando estén presentes y pueda hacerse con facilidad. Proseguir con el lavado. P310: Llamar inmediatamente a un centro de toxicología o médico. P303+361+353: EN CASO DE CONTACTO CON LA PIEL (O EL PELO): Quitar inmediatamente toda la ropa contaminada. Enjuagar la piel con agua o ducharse. P333+313: En caso de irritación cutánea o sarpullido, consultar a un médico. P363: Lavar la ropa contaminada antes de volverla a usar. P370: EN CASO DE INCENDIO: Utilice un extintor Clase B.

SECCIÓN 2: IDENTIFICACIÓN DE RIESGOS (continuación)

Declaraciones de precaución

Almacenamiento

P410+403: Almacene en un lugar fresco y seco a temperatura ambiente lejos de la luz solar directa. Contenedor de triple enjuague y oferta para reciclaje.

Eliminación

P501: Deseche el contenido y el recipiente de acuerdo con las reglamentaciones locales, municipales, estatales y federales.

2.3 OTROS RIESGOS PERTINENTES NO CLASIFICADOS DE OTRA MANERA

- TOXICIDAD ACUÁTICA:** Toxicidad acuática - Aguda (Categoría 3); Toxicidad acuática - Crónica (Categoría 3). Dañino para la vida acuática con efectos de larga duración. Evite los derrames en el medio ambiente.

SECCIÓN 3: COMPOSICIÓN/INFORMACIÓN SOBRE LOS INGREDIENTES

3.1 SUSTANCIAS/MEZCLAS

QUÍMICO	NÚMERO DE CAS	CLASIFICACIÓN DE RIESGO DE GHS POR SUSTANCIAS QUÍMICAS	% (w/w)
Disolvente 1	Patentado ¹	No clasificado.	> 20 – < 30
Disolvente 2	Patentado	No clasificado.	> 20 – < 30
Surfactante aniónico	Patentado	Daño a los ojos (Categoría 1); Irritación de la piel (Categoría 2)	> 10 – < 15
Surfactante no iónico	Patentado	Irritación ocular (Categoría 2B)	> 0 – < 5
D-Limoneno	5989-27-5	Líquidos inflamables (Categoría 3); Irritación de la piel (Categoría 2); Sensibilización de la piel (Categoría 1); Peligro de aspiración (Categoría 1); Toxicidad acuática aguda (Categoría 1); Toxicidad acuática crónica (Categoría 1)	> 0 – < 4
Acetona	6764-1	Líquidos inflamables (Categoría 2); Irritación ocular (Categoría 2A); Toxicidad específica en determinados órganos: exposición única (categoría 3, sistema nervioso central).	> 0 – < 3

SECCIÓN 4: MEDIDAS DE PRIMEROS AUXILIOS

4.1 DESCRIPCIÓN DE LAS MEDIDAS DE PRIMEROS AUXILIOS

ÁREA EXPUESTA

Contacto con los ojos

Enjuague con abundante agua durante 15 minutos. Mire hacia arriba mientras se enjuaga los ojos. Revise si lleva lentes de contacto y quíteselos. Llamar inmediatamente a un centro de toxicología o médico.

Contacto con la piel

Enjuague el área con agua tibia y corriente durante varios minutos. Si la irritación persiste o si se desarrolla erupción cutánea, busque atención médica.

Inhalación

Salga al aire fresco.

Ingestión

Si está consciente: Enjuáguese la boca con agua. No induzca el vómito. Póngase en contacto con un Centro para el Control de Envenenamientos o con un médico y siga las indicaciones.

4.2 SÍNTOMAS AGUDOS Y CRÓNICOS MÁS IMPORTANTES COMO RESULTADO DE UNA EXPOSICIÓN

- EFFECTOS AGUDOS EN LA SALUD:**

ÁREA EXPUESTA

Contacto con los ojos

Provoca lesiones oculares graves.

Contacto con la piel

Ocasiona irritación de la piel.

Inhalación

Puede ocasionar irritación moderada en las vías respiratorias; los síntomas pueden incluir tos y estornudos dependiendo de la cantidad de rocío o spray inhalada.

Ingestión

Puede ocasionar irritación del sistema gastrointestinal; los síntomas pueden incluir dolor, diarrea, náuseas y vómito si se ingieren grandes volúmenes.

¹ El porcentaje exacto y la composición se han retenido como secreto comercial. Todos los peligros físicos y para la salud relevantes han sido declarados, de acuerdo con los requisitos reglamentarios.

SECCIÓN 4: MEDIDAS DE PRIMEROS AUXILIOS (continuación)

- **EFFECTOS CRÓNICOS EN LA SALUD:** Este producto contiene D-limoneno, que es un sensibilizador de la piel. Las exposiciones prolongadas o repetidas pueden causar enrojecimiento, erupción cutánea, picazón y dermatitis.

- **ÓRGANOS QUE AFECTA:** Ojos, piel.

4.3 INDICACIÓN DE ATENCIÓN MÉDICA INMEDIATA Y TRATAMIENTO ESPECIAL NECESARIO

- **INFORMACIÓN GENERAL: Para toda clase de exposiciones:** En caso de accidente, o si no se siente bien, busque atención médica de inmediato. Llévese este documento y una copia de la etiqueta a su consulta con el profesional de la salud.
- **RECOMENDACIONES PARA EL MÉDICO:** Dé tratamiento de acuerdo con los síntomas.
- **AFECCIONES MÉDICAS QUE PUEDEN AGRAVARSE CON UNA SOBREEXPOSICIÓN:** Las condiciones que afectan a los órganos objetivo pueden verse afectadas negativamente por sobreexposiciones.

SECCIÓN 5: MEDIDAS CONTRA INCENDIOS

5.1 MEDIOS DE EXTINCIÓN

- **MEDIOS RECOMENDADOS PARA APAGAR UN INCENDIO:** Spray de agua, chorro de agua, polvo seco, espuma, dióxido de carbono, o cualquier otro medio.
- **MEDIOS NO ADECUADOS PARA APAGAR UN INCENDIO:** Ninguno conocido.

5.2 RIESGOS ESPECIALES QUE PUEDEN SURGIR DEBIDO A LA SUSTANCIA O MEZCLA

- **CLASIFICACIÓN DE NFPA SOBRE INFLAMABILIDAD:**

Calificación de NFPA



Clasificación de NFPA

Líquido combustible Clase II

- **RIESGOS INUSUALES EN CASO DE INCENDIO:**

Productos de descomposición

Dióxido de carbono, monóxido de carbono, otros compuestos que contiene carbono y vapores irritantes.

Susceptibilidad a explosiones en caso de impacto mecánico

No corresponde.

Susceptibilidad a explosiones en caso de descarga estática

No corresponde.

5.3 SUGERENCIAS PARA LOS BOMBEROS

- En cualquier situación, debe usar un equipo de protección completo y aparatos de respiración autónomos para apagar incendios. Mueva los contenedores del área del incendio si es posible hacerlo sin poner en riesgo al personal. En caso contrario, utilice spray de agua para mantener frescos los contenedores expuestos al fuego. Debido a que este producto es un agente de limpieza, el equipo que entre en contacto con esta solución se puede enjuagar bien con agua y luego puede volverse a usar.

SECCIÓN 6: MEDIDAS EN CASO DE DERRAME ACCIDENTAL

6.1 PRECAUCIONES PERSONALES, EQUIPO DE PROTECCIÓN Y PROCEDIMIENTOS DE EMERGENCIA

- **RESPUESTA ANTE DERRAMES ACCIDENTALES:** El personal que ha recibido capacitación básica en seguridad de sustancias químicas puede manejar los derrames a pequeña escala. Es necesario utilizar guantes y lentes de seguridad al limpiar los derrames. Mientras limpia, tenga cuidado; los pisos y objetos contaminados pueden estar resbalosos.
- **RESPUESTA ANTE DERRAMES NO ACCIDENTALES:** En general, los derrames de este material no irán más allá de la pérdida de un envío de material. Por lo tanto, el personal puede seguir las instrucciones en caso de derrames accidentales. Según corresponda, responda a los derrames no accidentales de sustancias químicas cuando haya un derrame de este producto (como la destrucción simultánea de varias paletas del producto) limpiando el área afectada y poniéndose en contacto con el personal de emergencias adecuado.
- **PROCEDIMIENTOS DE RESPUESTA ANTE CUALQUIER DERRAME:** Absorba el líquido derramado con polypads u otros materiales absorbentes adecuados. Enjuague bien el área. Debido a que este producto es un agente de limpieza, todos los objetos que entren en contacto con la solución pueden volver a usarse después de enjuagarlos.

SECCIÓN 6: MEDIDAS EN CASO DE DERRAME ACCIDENTAL (continuación)

6.2 PRECAUCIONES AMBIENTALES

- Evite las acciones de respuesta que puedan ocasionar el derrame de una cantidad significativa del producto en el medioambiente. Evite la dispersión accidental del material derramado en el suelo, vías acuáticas y alcantarillados.

6.3 MÉTODOS Y MATERIALES PARA LA CONTENCIÓN Y LABORES DE LIMPIEZA

- **EQUIPO DE RESPUESTA EN CASO DE DERRAME:** Polypad u otro material absorbente.

6.4 REFERENCIAS A OTRAS SECCIONES

- **SECCIÓN 8:** Para los niveles de exposición y recomendaciones detalladas del equipo de protección personal.
- **SECCIÓN 13:** Para conocer las pautas en el manejo de desperdicios.

SECCIÓN 7: MANIPULACIÓN Y ALMACENAMIENTO

7.1 PRECAUCIONES PARA LA MANIPULACIÓN SEGURA

Prácticas de higiene

Manténgase fuera del alcance de los niños. Siga las buenas prácticas de higiene química. No fume, beba, coma ni se aplique cosméticos en el área de uso de sustancias químicas. Evite la inhalación de rocíos y sprays. Utilice en áreas bien ventiladas. Evite el contacto con la piel o los ojos. Retire la vestimenta contaminada inmediatamente. Limpie el producto derramado de inmediato.

Prácticas de manipulación

Los empleados deben estar debidamente capacitados para utilizar este producto de la manera más segura según sea necesario. Mantenga los recipientes cerrados cuando no los use.

7.2 CONDICIONES PARA EL ALMACENAMIENTO SEGURO, INCLUYENDO CUALQUIER INCOMPATIBILIDAD

Prácticas de almacenamiento

Asegúrese de que todos los envases estén etiquetados de manera correcta. Conserve los envases fuera de la luz solar directa, de las fuentes intensas de calor o cuando sea posible que se congelen. Almacene este producto alejado de sustancias químicas incompatibles. Revise todos los contenedores entrantes antes de guardar, para asegurarse de que estén debidamente etiquetados y no se encuentren dañados. Los envases vacíos pueden contener residuos de líquido, por lo tanto, los envases vacíos deben manipularse con cuidado. No perfore, corte ni sude los recipientes vacíos

Incompatibilidades

Ver la sección 10 (estabilidad y reactividad).

SECCIÓN 8: CONTROLES DE EXPOSICIÓN/PROTECCIÓN PERSONAL

8.1 PARÁMETROS DE CONTROL

- **LÍMITES DE EXPOSICIÓN EN EL AIRE:** Los siguientes componentes tienen límites de exposición en el aire publicados.

COMPONENTE	ACGIH TLV	OSHA PEL	NIOSH REL	OTRO
Acetona	TWA = 250 ppm; STEL = 500 ppm	TWA = 1000 ppm	TWA = 250 ppm	NIOSH IDLH 2500 ppm (10% LEL) CA PEL: TWA = 500 ppm; STEL = 750 ppm

- **LÍMITES DE EXPOSICIÓN BIOLÓGICA EN EL TRABAJO:** Los siguientes componentes tienen índices de exposición biológica (BEIs) establecidos.
 - **ACETONA:** Acetona en orina; fin del turno; 25 mg/L

8.2 CONTROLES DE EXPOSICIÓN

Controles de ingeniería Protección respiratoria Protección de las manos

Utilice en ambientes bien ventilados.
No es necesario en circunstancias de uso normal.
Se recomienda guantes de neopreno, nitrilo o butilo. Asegúrese de que los guantes estén intactos antes de usarlos.

Protección de los ojos Protección corporal

Gafas o lentes de seguridad.
Protección estándar utilizada en trabajos de mantenimiento.

8.3 SÍMBOLOS DE PROTECCIÓN PERSONAL

Protección de las
manos



Protección de los ojos



SECCIÓN 9: PROPIEDADES FÍSICAS Y QUÍMICAS

9.1 INFORMACIÓN SOBRE LAS PROPIEDADES FÍSICAS Y QUÍMICAS BÁSICAS

Aspecto	Líquido claro.
Olor	Aroma cítrico.
Umbral de olor	No determinado.
pH:	5,25-7,25
Punto de fusión y punto de congelamiento	No determinado.
Punto de ebullición inicial y rango de ebullición	> 100 °C (212 °F).
Punto de inflamación	50 °C (122 °F).
Tasa de evaporación (Agua = 1)	No determinado.
Inflamabilidad	Líquido combustible NFPA Clase II. Líquido inflamable GHS (Categoría 3)
Límites superiores e inferiores de explosividad	No determinado.
Presión de vapor	No determinado.
Densidad del vapor	No determinado.
Densidad relativa (Densidad)	0,99-1,02 (8,25-8,50 lb./gal)
Solubilidad	Soluble en agua.
Coefficiente de partición n-octanol/agua	No determinado.
Temperatura de autoignición	No corresponde.
Temperatura de descomposición	No determinado.
Viscosidad	No determinado.

9.2 OTRA INFORMACIÓN

- **VOC (menos agua y exento):** No determinado. Compatible con COC CARB, sistema solvente exento de LVP utilizado.
- **PESO% VOC:** No determinado.

SECCIÓN 10: ESTABILIDAD Y REACTIVIDAD

10.1 REACTIVIDAD

- No es reactivo en condiciones normales de uso o manipulación.

10.2 ESTABILIDAD QUÍMICA

- Es normalmente estable en condiciones estándar de temperatura y presiones.

10.3 POSIBILIDAD DE REACCIONES PELIGROSAS

- Este producto no es autoreactivo, ni reactivo al agua o al aire; no sufrirá polimerización peligrosa.

10.4 CONDICIONES A EVITAR

- Evite el contacto con sustancias químicas incompatibles.

10.5 MATERIALES INCOMPATIBLES

- Evite el contacto con productos químicos incompatibles y condiciones de almacenamiento adversas.

10.6 PRODUCTOS DE DECOMPOSICIÓN PELIGROSOS

- Los productos de descomposición térmica incluyen óxidos de carbono (es decir, monóxido de carbono y dióxido de carbono) y otros compuestos que contienen carbono.

SECCIÓN 11: INFORMACIÓN TOXICOLÓGICA

11.1 INFORMACIÓN SOBRE LOS EFECTOS TOXICOLÓGICOS

- **TOXICIDAD AGUDA:**
 - **DATOS DE TOXICIDAD DEL PRODUCTO:** Las siguientes son estimaciones calculadas para el producto:
 - Estimado de toxicidad aguda (Oral) > 2000 mg/kg
 - Estimado de toxicidad aguda (Dérmica) > 5000 mg/kg
 - Estimación de toxicidad aguda (Inhalación) > 30 mg/L

SECCIÓN 11: INFORMACIÓN TOXICOLÓGICA (continuación)

- **GRADO DE IRRITACIÓN:** Ocasiona irritación de la piel. Provoca lesiones oculares graves. Consulte la sección 4 (medidas de primeros auxilios) para obtener más información.
- **SENSIBILIZACIÓN:** Este producto contiene DL-limoneno, que es un sensibilizador de la piel. Las exposiciones prolongadas o repetidas pueden causar enrojecimiento, erupción cutánea, picazón y dermatitis.
- **REVISIÓN DE SÍNTOMAS AGUDOS Y EFECTOS POR LA VÍA DE EXPOSICIÓN:** Consulte la Sección 2 (Información de riesgos) y Sección 4 (medidas de primeros auxilios) para obtener más detalles.

Ojos	Provoca lesiones oculares graves.
Piel	Ocasiona irritación de la piel.
Inhalación	Puede ocasionar irritación moderada en las vías respiratorias; los síntomas pueden incluir tos y estornudos dependiendo de la cantidad de rocío o spray inhalada.
Ingestión	Puede ocasionar irritación del sistema gastrointestinal; los síntomas pueden incluir dolor, diarrea, náuseas y vómito si se ingieren grandes volúmenes.

TOXICIDAD CRÓNICA:

- **CONDICIÓN CARCINÓGENA:** Los siguientes datos sobre carcinogenicidad están disponibles para los componentes de este producto. NO indica que la sustancia no está designada como carcinógena por la agencia.

QUÍMICO	IARC	NTP	NIOSH	OSHA	OTRO
Acetona	NO	NO	NO	NO	EPA: Los datos son inadecuados ACGIH TLV-A4: No es clasificable como carcinógeno humano.

- **INFORMACIÓN DE TOXICIDAD REPRODUCTIVA:** No se ha informado que los componentes de este producto ocasionen efectos reproductivos en condiciones normales de exposición.
- **EFECTOS MUTAGÉNICOS:** No se ha informado que los componentes de este producto ocasionen efectos mutagénicos en condiciones normales de exposición.
- **TOXICIDAD ESPECÍFICA EN ÓRGANOS AFECTADOS POR EXPOSICIÓN ÚNICA:** No corresponde.
- **TOXICIDAD ESPECÍFICA EN ÓRGANOS AFECTADOS POR EXPOSICIÓN REPETIDA:** No corresponde.
- **PELIGRO DE ASPIRACIÓN:** No corresponde.
- **OTRA INFORMACIÓN:**
 - **PRODUCTOS TOXICOLÓGICOS SINÉRGICOS:** Ninguno conocido.
 - **TOXICOLOGÍA ADICIONAL:** No corresponde.

SECCIÓN 12: INFORMACIÓN ECOLÓGICA

12.1 TOXICIDAD

- En base a los datos disponibles, este producto puede ser dañino para las plantas o animales terrestres o acuáticos que se hayan contaminado, dependiendo del volumen liberado en el medio ambiente.
- Según la composición de la mezcla, este producto está clasificado como Toxicidad acuática - Aguda (Categoría 3); Toxicidad acuática - Crónica (Categoría 3).

12.2 PERSISTENCIA Y DEGRADABILIDAD

- Si se vierten al suelo, se espera que los componentes de este producto se biodegraden, se disipen en la tierra a través de la oxidación, o bien se degraden químicamente o se fotodescompongan a través de la radiación solar.

12.3 POTENCIAL BIOACUMULATIVO

- No está previsto que este producto se bioacumule de manera significativa.

12.4 MOVILIDAD EN EL SUELO

- Se espera que este producto presente cierta movilidad en el suelo.

12.5 OTROS EFECTOS ADVERSOS

- No se ha informado ninguno.

SECCIÓN 13: NOTAS SOBRE LA ELIMINACIÓN

13.1 MÉTODOS DE TRATAMIENTO DE RESIDUOS

- Elimine el producto de acuerdo con todas las reglamentaciones federales, estatales y locales.

13.2 NOTAS SOBRE LA ELIMINACIÓN

- **CÓDIGO RCRA DE EPA PARA RESIDUOS:** D001; Se aplica a los residuos que consisten solo de este producto.

SECCIÓN 14: INFORMACIÓN DE TRANSPORTE

NOTA: Este producto está empaquetado en volúmenes de CANTIDAD LIMITADA para algunos modos de transporte. Siga los requisitos para embalajes de Cantidad Limitada apropiados para el modo de transporte.

- **NORMAS DEL DEPARTAMENTO DE TRANSPORTE PARA EL ENVÍO DE MATERIALES PELIGROSOS:**

Número de UN/NA	Nombre correcto de envío	Grupo de empaque	Clase de riesgo	Etiqueta	Número de la Guía de Respuestas en caso de Emergencias de Norteamérica	Estado del contaminante marino
Este producto está empaquetado en cantidades limitadas. Siga los requisitos en 49 CFR 173.150.				Cantidad limitada	No Aplica	No Aplica

- **INFORMACIÓN PARA EL TRANSPORTE DE CANADÁ:** Este producto está regulado por Transport Canada como mercancía peligrosa según las normas de transporte canadienses en embalaje de cantidad limitada. Consulte la información anterior.
- **DESIGNACIÓN DE IATA:** Este producto está considerado como material peligroso por parte de la International Air Transport Association.

Número de UN/NA	Nombre correcto de envío	Grupo de empaque	Clase de riesgo	Etiqueta	CANTIDAD LIMITADA: Instrucciones de embalaje (cantidad máx. por paquete)
UN1993	Líquido inflamable n.o.s. (Acetona, mezcla solvente)	III	3	Líquido inflamable Cantidad limitada (Aire)	Y344 (10L)

- **DESIGNACIÓN DE IMO:** Este producto está regulado como mercancía peligrosa por la International Maritime Organization en embalajes de Cantidad Limitada. Consulte la siguiente información.

Número de UN/NA	Nombre correcto de envío	Grupo de empaque	Clase de riesgo	Etiqueta	Cantidad máx. por Paquete	EM-S
Este producto está empaquetado en volúmenes de cantidad limitada. Siga las instrucciones del Código marítimo internacional de mercancías peligrosas de la OMI, Sección 3.4.				Cantidad limitada	5L	FE-SE

14.2 PELIGROS AMBIENTALES

- No se describe ninguno en relación con el transporte.

14.3 PRECAUCIONES ESPECIALES PARA LOS USUARIOS

- No corresponde.

14.4 TRANSPORTE A GRANEL

- No corresponde.

SECCIÓN 15: INFORMACIÓN DE REGLAMENTACIÓN

15.1 REGLAMENTACIONES ESPECÍFICAS PARA EL PRODUCTO SOBRE EL MEDIOAMBIENTE, SEGURIDAD Y SALUD

- **OTRAS REGLAMENTACIONES IMPORTANTES DE LOS EE. UU.**
 - **CATEGORÍAS DE RIESGO SARA DE LOS EE. UU. (SECCIÓN 311/312, CFR 40, 370-21):** Corrosión/Irritación de la Piel; Daño/Irritación Ocular; Sensibilización respiratoria/cutánea; Líquidos inflamables.
 - **TÍTULO 313 DE SARA DE LOS EE. UU.:** No componente está sujeto a los requisitos de información en virtud de SARA.
 - **CANTIDAD PARA INFORMAR (RQ) DE LA CERCLA DE LOS EE. UU.:** Acetona = 5000 lb.
 - **ESTADO DE INVENTARIO DE LA TSCA DE LOS EE. UU.:** Todos los componentes de este producto están enumerados en el Inventario de la TSCA.
 - **ESTADO DE LA LEY DE CALIFORNIA PARA EL AGUA POTABLE (PROPUESTA 65):** No corresponde.
- **NORMAS INTERNACIONALES**
 - **ESTADO REGULATORIO CANADIENSE:** El producto está clasificado como peligroso bajo las Regulaciones de Productos Peligrosos. Esta SDS contiene toda la información requerida por Health Canada.
 - **2015 WMIS:** Ver sección 2.
 - **ESTADO DE INVENTARIO DSL/NDSL DE CANADÁ:** Todos los componentes de este producto están enumerados en el Inventario de DSL/NDSL.
 - **LISTAS DE SUSTANCIAS PRIORITARIAS DE LA LEY PARA LA PROTECCIÓN AMBIENTAL DE CANADÁ (CEPA):** Los componentes de este producto no se encuentran en la lista de sustancias prioritarias de la CEPA.

SECCIÓN 16: OTRA INFORMACIÓN

16.1 INDICACIÓN DE CAMBIO

- **FECHA DE REVISIÓN:** 29 de septiembre de 2023.
- **ANULA:** 18 de diciembre de 2020.
- **CHANGE INDICATED: INDICATED:** Actualización de la información del fabricante, adición de Códigos H/P; revisión y actualización regulatoria; establecer una distinción entre los equipos de protección individual de uso profesional y de consumo.

16.2 KEY LITERATURE REFERENCES AND SOURCES FOR DATA

- HOJAS DE DATOS DE SEGURIDAD DE PRODUCTOS COMPONENTES.
- Estándar federal de comunicación de peligros de OSHA: 29 CFR 1910.1200

16.3 SISTEMA DE CLASIFICACIÓN DE MATERIALES PELIGROSOS

Salud	1*	* Sensibilización en la piel
Inflamabilidad	2	
Riesgos físicos	0	Calificación del Equipo de Protección Personal de HMIS: Situaciones de uso laboral: Consulte la sección 8 para obtener orientación sobre la selección del equipo de protección personal.
Equipo de protección	*	

16.4 DESCARGO DE RESPONSABILIDAD

Waxie's Enterprises, LLC, una compañía de soluciones de Envoy (WAXIE), no garantiza, representa ni garantiza la exactitud, suficiencia o integridad del material establecido en este documento. Es responsabilidad del usuario determinar la seguridad, toxicidad e idoneidad de su propio uso, manipulación y eliminación de este producto. Dado que el uso real por parte de otros está fuera de nuestro control, WAXIE no otorga ninguna garantía, expresa o implícita, en cuanto a los efectos de dicho uso, los resultados que se obtendrán o la seguridad y toxicidad de este producto, ni WAXIE asume ninguna responsabilidad derivada del uso por parte de terceros de este producto al que se hace referencia en este documento. Los datos en esta SDS se relacionan solo con el material específico designado aquí y no se relacionan con el uso en combinación con ningún otro material o en ningún proceso. WAXIE no recomienda mezclar este producto con ningún otro producto químico. Toda la información, las recomendaciones y los datos contenidos en este documento con respecto a este producto se basan en la información disponible en el momento de escribir este artículo de fuentes técnicas reconocidas.

SECCIÓN 16: OTRA INFORMACIÓN

16.5 ABREVIATURAS Y ACRÓNIMOS

TODAS LAS SECCIONES: OSHA: Administración Federal de Seguridad y Salud Ocupacional de los EE. UU. WHMIS: Norma para el Manejo de Materiales Peligrosos en el Lugar de Trabajo de Canadá. GHS: Sistema de Clasificación Mundialmente Armonizado de Sustancias Químicas.

SECCIÓN 3: Número de CAS: Número de Registro de resúmenes químicos, el cual es utilizado por la Sociedad Americana de Sustancias Químicas para identificar particularmente a una sustancia química.

SECCIÓN 5: NFPA: Asociación Nacional para la Protección contra Incendios. CLASIFICACIÓN DE NFPA SOBRE INFLAMABILIDAD: La NFPA utiliza el punto de inflamación (F.I.P.) y el punto de ebullición (BP) para clasificar los líquidos inflamables o combustibles. Clase IA: F.I.P. inferior a 73 °F y BP inferior a 100 °F. Clase IB: F.I.P. inferior a 73 °F y BP superior a los 100 °F. Clase IC: F.I.P. superior a 73 °F y BP superior a 100 °F. Clase II: F.I.P. superior a 100 °F e inferior a 140 °F. Clase IIIA: F.I.P. superior a 140 °F e inferior a 200 °F. Clase IIIB: F.I.P. superior a 200 °F. CALIFICACIÓN DE MATERIALES PELIGROSOS DE NFPA: Este es un sistema de calificaciones utilizado para resumir los riesgos físicos y de salud para los bomberos. 0 = Sin riesgo significativo. 1 = Riesgo leve. 2 = Riesgo moderado. 3 = Riesgo grave. 4 = Riesgo extremo.

SECCIÓN 8: NE: No establecido. ACGIH: Conferencia Americana de Higienistas Industriales del Gobierno; TWA: Promedio ponderado en el tiempo (durante un día de trabajo de 8 horas); STEL: Límite de Exposición a Corto Plazo (un promedio de 15 minutos, no más de 4 veces al día y cada exposición con diferencia de una hora como mínimo); C: Límite máximo (la concentración no debe excederse en un ambiente laboral). PEL: Límite de exposición permisible. NIOSH: Instituto Nacional de la Seguridad y Salud Laborales; REL: Límite recomendado de exposición. ppm: Partes por millón. mg/m³: Miligramos por metro cúbico. mppcf: Millones de partículas por pie cúbico. BEI: Límite de exposición biológica.

SECCIÓN 9: pH: Escala (del 0 al 14) utilizada para medir la acidez o alcalinidad de soluciones acuosas. Por ejemplo, un valor pH de 0 señala que se trata de una solución muy ácida, un pH de 7 señala que es una solución neutral, y un valor pH de 14 indica una solución extremadamente básica. Punto de inflamación: La temperatura a la cual un líquido genera suficientes vapores inflamables como para que ocurra la ignición. Temperatura de autoinflamación: La temperatura a la cual ocurre una ignición espontánea. LÍMITE EXPLOSIVO INFERIOR (LEL): La concentración mínima de vapores inflamables en el aire que pueden provocar una ignición. LÍMITE EXPLOSIVO SUPERIOR (UEL): La concentración máxima de vapores inflamables en el aire que pueden provocar una ignición. ≈: Símbolo de aproximadamente. VOC: Compuesto orgánico volátil.

SECCIÓN 11: CONDICIÓN CARCINÓGENA: NTP: Programa Nacional de Toxicología. IARC: Agencia Internacional para la Investigación del Cáncer. INFORMACIÓN DE TOXICIDAD REPRODUCTIVA: Mutágeno: Una sustancia que puede causar daños en los cromosomas de las células. Embriotoxina: Una sustancia que puede dañar el embrión en desarrollo en una mujer que sufre sobreexposición. Teratógeno: Una sustancia que puede dañar el feto en desarrollo en una mujer que sufre sobreexposición. Toxina de la reproducción: Una sustancia que puede afectar adversamente a los órganos reproductores femenino o masculino o sus funciones. DATOS DE TOXICIDAD: LD_{xx} o LC_{xx}: La Dosis letal o Concentración letal de una sustancia que resultaría mortal en un porcentaje dado (xx) de pruebas en animales expuestos por la vía designada de administración. Este valor se utiliza para conocer la toxicidad de sustancias químicas en humanos. TD_{xx} o TC_{xx}: La Dosis tóxica o Concentración tóxica de una sustancia que ocasionaría un efecto adverso en un porcentaje dado (xx) de pruebas en animales expuestos por la vía designada de administración.

SECCIÓN 12: EC50: Concentración de efecto (en el 50% del grupo de estudio); BOD: Demanda biológica de oxígeno. COD: Demanda de oxígeno químico. ThOD: Demanda teórica de oxígeno. TLM: Límite de tolerancia media.

SECCIÓN 13: RCRA: Ley para la Conservación y Recuperación de Recursos. Las normas promulgadas de conformidad con esta ley se encuentran en el CFR 40, secciones 260 ff, y definen los requisitos de la generación, transporte, tratamiento, almacenamiento y eliminación de residuos peligrosos. Códigos de residuos RCRA de la EPA: Se definen en el CFR 40, sección 261.

SECCIÓN 15: CERCLA: Ley Integral de Compensación, Responsabilidad y Respuesta Ambiental (también conocida como "Superfund") y SARA: (Ley de Modificación y Reautorización de la Superfund). Las normas promulgadas de acuerdo con esta ley se localizan en el CFR 40, 300 ff. y brindan los requisitos de "el derecho a saber de la comunidad". TSCA: Ley de Control de Sustancias Tóxicas: Las normas que rigen la fabricación y venta de sustancias químicas, ubicadas en el CFR 40, 700-766. DSL/NDL: Listas canadienses de Sustancias Domésticas y no Domésticas.

SECCIÓN 16: SISTEMA DE CALIFICACIÓN PARA LA IDENTIFICACIÓN DE MATERIALES PELIGROSOS: Este es un sistema de calificación utilizado por el sector para resumir los riesgos físicos y a la salud de los usuarios de sustancias químicas, y fue desarrollado originalmente por la Asociación Nacional de Pinturas y Recubrimientos. 0 = Sin riesgo significativo. 1 = Riesgo leve. 2 = Riesgo moderado. 3 = Riesgo grave. 4 = Riesgo extremo.