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: 170134, 170500
- PRODUCT NAME: **315 Foaming Acid Disinfectant Cleaner**
  - **1 GL: 170134**
  - **3 L: 170500**

1.2 RELEVANT IDENTIFIED USES OF THE MIXTURE OR USES ADVISED AGAINST

- IDENTIFIED USE: Cleaning and 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 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.
- 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 #6836-86-14994.

SECTION 2: HAZARDS 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	Product as SOLD	Product at USE DILUTION
Classification of the Substance or Mixture	Skin Corrosion/Irritation (Category 1); Eye Damage/Irritation (Category 2A)	Skin irritation (Category 2); Serious eye irritation (Category 2A)

2.2 LABEL ELEMENTS:

ELEMENT	Product as SOLD	Product at USE DILUTION
Hazard Pictograms		
Signal Word	DANGER	WARNING.
Hazard Statements	H314: Causes severe skin burns and eye damage.	H315: Causes skin irritation. H319: Causes serious eye irritation.

SECTION 2: HAZARDS IDENTIFICATION (Continued)

2.2 LABEL ELEMENTS (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 face, hands, and any exposed skin thoroughly after handling. P280: Wear protective gloves, protective clothing, and eye protection/face protection.	P102: Keep out of reach of children. P103: Read label before use. P264: Wash exposed skin thoroughly after handling. P280: Wear protective gloves, protective clothing, and eye protection/face protection.
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. P304+340: IF 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.	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 P302+352: IF ON SKIN: Wash with plenty of water. P332+313: If skin irritation occurs, get medical advice/attention. P362+364: Take off contaminated clothing and wash it before reuse.
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.	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	P501: Dispose of contents and container according to the local, city, state, and federal regulations

2.3 OTHER PERTINENT DATA ON CHEMICAL AND PHYSICAL HAZARDS:

- **Aquatic Toxicity (Product as SOLD):** Aquatic toxicity - Acute (Category 3); Aquatic toxicity - Chronic (Category 3); H412: Harmful to aquatic life with long-lasting effects. P273: Avoid release to the environment.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 SUBSTANCES/MIXTURES

COMPONENT	CAS NUMBER	GHS HAZARD CLASSIFICATION FOR COMPONENT	% (w/w)
Phosphoric Acid	7664-38-2	Corrosive to Metals (Category 1) Skin Corrosion/Irritation (Category 1B) Eye Damage/Irritation (Category 1)	5-10[1]
Oxalic Acid Dihydrate	6153-56-6	Acute toxicity, Oral (Category 4), Acute toxicity, Dermal (Category 4), Serious eye damage (Category 1),	1-5
Quaternary Ammonium Chloride	Proprietary		1-5
C 12-15 Pareth-2	68131-39-5	Acute toxicity, Oral (Category 4); Serious eye damage (Category 1); Aquatic toxicity – acute (Category 2); Aquatic toxicity – chronic (Category 3)	1-5
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 or identity 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	Product as SOLD	Product at USE DILUTION
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. 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	Product as SOLD	Product at USE DILUTION
		Diluted product is not anticipated to cause adverse effects under typical circumstances if first aid is rendered promptly.
Eye Contact	Corrosive to eye tissue; contact will cause pain, redness, and tissue damage. Chemical burns and blindness may occur.	May cause moderate to serious eye irritation, depending on duration of exposure.
Skin Contact	Corrosive to skin tissue; contact will cause pain, redness, and tissue damage. Chemical burns may occur.	May cause mild to moderate skin irritation.
Inhalation	Inhalation of sprays, mists may cause coughing, nasal congestion, and sore throat.	Can cause mild to severe irritation of membranes of nose, mouth, throat.
Ingestion	Corrosive and may cause severe and permanent damage to mouth, throat, and stomach. May be fatal if swallowed.	Can cause severe irritation of gastrointestinal system.

- **CHRONIC HEALTH EFFECTS:**

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

- **TARGET ORGANS:**

Product as SOLD	Product at USE DILUTION
Skin, eyes.	Skin, eyes.

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. Corrosive liquid.	Not flammable.

- **UNUSUAL HAZARDS IN FIRE SITUATIONS:**

	Product as SOLD	Product at USE DILUTION (<10%
Decomposition	Generates acidic vapors and 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.

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 is 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-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 there is no other hazardous condition in the area, the use of an air-purifying respirator with acid gas cartridge, 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 or the concentration of vapors is high. Use Self-Contained Breathing Apparatus if concentration of oxygen is less than 19.5% or is unknown.

SECTION 6: ACCIDENTAL RELEASE MEASURES (Continued)

- **RESPONSE PROCEDURES FOR ANY RELEASE:** Absorb spilled liquid with polypads or other suitable absorbent materials. If appropriate, neutralize contaminated area and equipment with acid neutralizing agent (e.g., sodium bicarbonate). Rinse contaminated items and area thoroughly. Confirm that neutralization is complete by testing with pH paper.

6.2 ENVIORNMENTAL PRECAUTIONS

- Avoid response actions that can cause a release of a significant amount of the substance (more than 4, 1-gallon containers) 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; acid neutralizing agent (e.g., sodium bicarbonate); pH paper.

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

	Product as SOLD	Product at USE DILUTION
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

	Product as SOLD	Product at USE DILUTION
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

- **U.S. NATIONAL EXPOSURE LIMITS:**

COMPONENT	ACGIH TLV	OSHA PEL	NIOSH REL	OTHER
Phosphoric Acid	1 mg/m^3 (TWA) 3 mg/m^3 (STEL)	1 mg/m^3 (TWA) 3 mg/m^3 (STEL)	1 mg/m^3 (TWA); 3 mg/m^3 (STEL); 1000 mg/m^3 (IDLH)	CA PEL: 1 mg/m^3 (TWA) 3 mg/m^3 (STEL
Oxalic Acid Dihydrate	1 mg/m^3 (TWA) 2 mg/m^3 (STEL)	1 mg/m^3 (TWA)	1 mg/m^3 (TWA) 2 mg/m^3 (STEL)	CA PEL: 1 mg/m^3 (TWA) 2 mg/m^3 (STEL)

- **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.

8.3 PERSONAL PROTECTION SYMBOLS

	Product as SOLD	Product at USE DILUTION
Hand Protection (If skin contact is anticipated)		No gloves required.
Eye Protection (If splashes or sprays can occur)		No eye protection required.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

	Product as SOLD	Product at USE DILUTION
Appearance	Blue liquid.	Light blue liquid.
Odor	Minty.	Minty.
Odor Threshold	Not determined.	Not determined.
pH	0-2	>2
Melting Point/Freezing Point	< 0°C (32 °F).	Approx. 0°C (32 °F).
Initial Boiling Point/Boiling Range	>100°C (212°F).	Approximately100°C (212°F).
Flash Point	Not applicable.	Not applicable.
Evaporation Rate (Water = 1)	No data available.	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)	1.05 (8.75 lb./gal)	Approx. 1.0. (8.34. b/gal)
Solubility	Completely soluble.	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.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (Continued)

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.

10.5 INCOMPATIBLE MATERIALS

- Strong oxidizing agents, strong bases, water reactive materials, aluminum, and metals.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

- Products of thermal decomposition of this product include carbon dioxide, carbon monoxide, 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): >2000 mg/kg
    - Acute Toxicity Estimate (Dermal): >2000 mg/kg
  - **TOXICOLOGY DATA:** The following data are available for the hazardous components in this product listed in Section 3 (Composition/Information on Ingredients).

PHOSPHORIC ACID
LD50 (oral, rat) = 1530 mg/kg
LD50 (dermal, rabbit) = 2730 mg/kg
LC50 (inhalation, rat) > 850 mg/m3; 1 hour

C12-15 PARETH-2
LD50 (oral, rat) = 1600-2700 mg/kg
LD50 (dermal, rabbit) = 5000 mg/kg

OXALIC ACID DIHYDRIDE
LD50 (oral, rat) = 1530 mg/kg

  - **DEGREE OF IRRITATION:** Causes severe skin burns and eye damage. May cause respiratory irritation.
  - **SENSITIZATION:** The components of this product are 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.

See Section 4 (First-Aid Measures) for more details.	**Product as SOLD**	**Product at USE DILUTION**
Eyes	May cause moderate to severe eye irritation and chemical burns.	May cause moderate to serious eye irritation, depending on duration of exposure.
Skin	May cause moderate to severe skin irritation, and chemical burns.	May cause mild to moderate skin irritation.
Inhalation	Causes mild to severe irritation of membranes of nose, mouth, throat.	Can cause mild to severe irritation of membranes of nose, mouth, throat.
Ingestion	Causes severe irritation and chemical burns of gastrointestinal system. May be fatal if swallowed.	Can cause severe irritation of gastrointestinal system.

- **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

- This product is classified as: Aquatic toxicity - Acute (Category 3); Aquatic toxicity - Chronic (Category 3); H412: Harmful to aquatic life with long-lasting effects.
- The following aquatic toxicity data are available for the components of this product.

PHOSPHORIC ACID
LC_{50} fishes = 138 mg/l, (96 Hours)
LC_{50} other aquatic organisms = 100 - 1000 mg/l (96 hours)
LC_{50} fish = 100 - 1000 mg/l
LC_{50} other aquatic organisms = 240 mg/l
TLM fish = 138 ppm (24 hours, *Gambusia affinis*)
Threshold limit other aquatic organisms = 100 – 1000 (96 hours, Protozoa)
Threshold limit other aquatic organisms = 240 mg/L

OXALIC ACID DIHYDRIDE
LC50 (fish) = 325 mg/L

C12-15 PARENTH-2
EC50 (algae) = 0.9 mg/L
LC50 (Pimephales promelas) = 2.7 mg/L
EC50 (Daphnia magna) = 0.4-0.75 mg/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.

12.3 BIOACCUMULATIVE POTENTIAL

- This product is not anticipated to bioaccumulate significantly.

SECTION 12: ECOLOGICAL INFORMATION (Continued)

12.4 MOBILITY IN SOIL

- It is expected this product will have small mobility in soil. Some of the components may get into the soil and, ultimately, the ground water. Product spreads on the water surface.

12.5 OTHER ADVERSE EFFECTS

- None reported.

SECTION 13: DISPOSAL CONSIDERATION

13.1 WASTE TREATMENT METHODS

Product as SOLD	Product at USE DILUTION
Dispose of in accordance with local, State and Federal regulations.	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 DANGEROUS GOODS BASIC DESCRIPTION AND OTHER TRANSPORT INFORMATION

NOTE: This product is packaged in LIMITED QUANTITY volumes for some modes of transport. 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	Exempted, per 49 CFR 171.4

- **CANADIAN TRANSPORTATION INFORMATION:** This product is regulated by Transport Canada as dangerous goods under Canadian transportation standards in Limited Quantity packaging. 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)	OTHER SHIPMENTS Packing Instruction (Max. Qty per PKG)
UN1903	Disinfectants, liquid, corrosive, n.o.s. (Contains Phosphoric Acid, Dimethylbenzyl ammonium chloride)	III	8	Corrosive	Y841 (1L)	852 (5L)

- **IMO DESIGNATION**: This product is regulated as dangerous goods by the International Maritime Organization in Limited Quantity packaging. .Refer to following information.

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 guidance in IMO International Maritime Dangerous Goods Code, Section 3.4.				Limited Quantity	5L	FA-SB

SECTION 14: TRANSPORT INFORMATION (Continued)

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 THRESHOLD PLANNING QUANTITY**: Not applicable.
  - **U.S. SARA HAZARD CATEGORIES (SECTION 311/312, 40 CFR 370-21):** Skin Corrosion/Irritation; Serious Eye Damage/Irritation.
  - **U.S. CERCLA REPORTABLE QUANTITY (RQ):** Phosphoric Acid – 5000 lb. (2270 kg).
  - **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:** Not applicable.
- **INTERNATIONAL REGULATIONS**
  - **CANADIAN REGULATORY STATUS: CANADIAN REGULATORY STATUS:** The product is classified as hazardous under Hazardous Products Regulations (SOR-(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:** January 16, 2023
- **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.

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**	HMIS Personal Protective Equipment Rating: Occupational Use situations: B- Safety glasses and gloves, if splashes/sprays can be generated.	**Health**	**1**	HMIS Personal Protective Equipment Rating: Occupational Use situations: No protective equipment is needed under normal circumstances of use and handling.
Flammability	**0**		**Flammability**	**0**	
Physical Hazard	**0**		**Physical Hazard**	**0**	
Protective Equipment	**B**		**Protective Equipment**	**Not applicable.**	

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 (Fl.P.) and boiling point (BP) to classify flammable or combustible liquids. Class IA: Fl.P. below 73°F and BP below 100°F. Class IB: Fl.P. below 73°F and BP at or above 100°F. Class IC: Fl.P. at or above 73°F and BP at or above 100°F. Class II: Fl.P. at or above 100°F and below 140°F. Class IIIA: Fl.P. at or above 140°F and below 200°F. Class IIIB: Fl.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/m^3: 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.