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): 170058, 170059, 171200
- PRODUCT NAME: **730 HP Disinfectant Cleaner**
  - 3L: 170059

  HP Disinfectant Cleaner
  - GL: 170058

  70 HP Disinfectant Cleaner
  - ½ GL: 171200

1.2 RELEVANT IDENTIFIED USES OF THE MIXTURE

- RECOMMENDED USE: Cleaning and disinfecting.
- IDENTIFIED USERS: For sale to, use and storage by service persons only.

1.1 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

- MANUFACTURER/ SUPPLIER: **Waxie's Enterprises, LLC, an Envoy Solutions Company**
- ADDRESS: PO Box 23506, San Diego, CA 92123
- BUSINESS PHONE: 1-800-995-4466
- EMERGENCY PHONE: 1-800-255-3924 (CHEMTEL; 24 hours)

1.2 OTHER PERTINENT INFORMATION

- 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 sheet are specified for both the **Product as SOLD** and **Product at USE DILUTION**, where appropriate.
- EPA Registration Number:

SECTION 2: HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

OSHA/HCS Status	Product as SOLD	Product at USE DILUTION (< 5%)
Classification of the Substance or Mixture	Eye 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

NOTE: This product is regulated under the EPA Federal Insecticide, Fungicide and Rodenticide Act. Label elements below reflect requirements under that statute.

ELEMENT	Product as SOLD	Product at USE DILUTION
Hazard Pictograms		Not applicable.
Signal Word	CAUTION	Not applicable.
Hazard Statements	H303: Causes eye irritation.	Not applicable.

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 exposed skin thoroughly after handling.	P103: Read label before use. P264: Rinse exposed skin after use.
Response	P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. P337+313: If eye irritation persists, get medical advice/attention.	P313: In case of accidental exposure, seek medical advice if irritation persists.
Storage	(No P Code Specified): Store in a cool dry place at room temperature away from direct sunlight.	(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.	(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:

- **Other Recommended Response Actions:** IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 SUBSTANCES/MIXTURES

CHEMICAL	CAS NUMBER	GHS HAZARD CLASSIFICATION FOR CHEMICAL	% (w/w)
Propylene Glycol n-Propyl Ether	1569-01-3	At the given concentration: Eye irritation (Category 2B)	7-13
Dodecylbenzene-sulfonic Acid	68584-22-5	At the given concentration: Eye irritation (Category 2B)	5-10
Alcohols, C6-C12, ethoxylated	68439-45-2	At the given concentration: Eye irritation (Category 2B)	1-5
Hydrogen Peroxide	7722-84-1	At the given concentration: Eye irritation (Category 2B)	1-5
Phosphoric Acid	7664-38-2	At the given concentration: Eye irritation (Category 2B)	1-5
Water	7732-18-5	Not classified as hazardous.	Balance

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 if irritation persists.	Rinse eyes cautiously with water.
Skin Contact	Flush area with warm, running water for several minutes. Seek medical attention if irritation persists.	Rinse skin with water.

SECTION 4: FIRST AID MEASURES (Continued)

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	Causes eye irritation.	Could cause eye irritation upon prolonged contact.
Skin Contact	Could cause mild skin irritation upon prolonged contact.	Could cause mild skin irritation upon pronged contact.
Inhalation	Could cause respiratory tract irritation if large volumes of mist/spray are inhaled. Symptoms may include coughing and sneezing.	Could cause respiratory tract irritation; if large volumes of mist/spray inhaled.
Ingestion	Could cause gastrointestinal system irritation if swallowed. Symptoms may include nausea and vomiting.	Could cause gastrointestinal system irritation if large volumes are swallowed.

- **CHRONIC HEALTH EFFECTS:**

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

- **TARGET ORGANS:**

Product as SOLD	**Product at USE DILUTION**
Eyes.	Not applicable

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 (Continuation)

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:**

	Product as SOLD	Product at USE DILUTION
Decomposition	Decomposition products may include the following materials: carbon dioxide, carbon monoxide, as well as sulfur and phosphorus oxides.	Decomposition products may include the following materials: carbon dioxide, carbon monoxide, as well as sulfur and phosphorus 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 of the nature of this product, 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 multi-container release of the **PRODUCT AS SOLD,** and there is no other hazardous condition in the area, the use of an appropriate air-purifying respirator, 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.
- **RESPONSE PROCEDURES FOR ANY RELEASE:** Absorb spilled liquid with polypads or other suitable absorbent materials.

6.2 ENVIRONMENTAL PRECAUTIONS

- Avoid response actions that can cause a release of a significant amount of the substance 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; base neutralizing agent; 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. Avoid contact with eyes.	Follow good chemical hygiene practices.
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 in a cool dry place at room temperature away from direct sunlight. Store this product away from incompatible chemicals. Inspect all incoming containers before storage, to ensure containers are properly labeled and not damaged.	Ensure all containers are correctly labeled. Store in a cool dry place at room temperature away from direct sunlight. 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:**

COMPONENT	ACGIH TLV	OSHA PEL	NIOSH REL	OTHER
Hydrogen Peroxide	1 ppm (TWA)	1 ppm (TWA)	1 ppm (TWA); 75 ppm (IDLH)	CA PEL: 1 ppm (TWA)
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

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

8.2 EXPOSURE CONTROLS/PERSONAL PROTECTION

- **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	Clear, colorless liquid	Clear, colorless liquid.
Odor	Odorless	Odorless
Odor Threshold	Not determined.	Not determined.
pH	Not determined.	Not determined.
Melting Point/Freezing Point	0°C (32°F)	0°C (32°F)
Initial Boiling Point/Boiling Range	100°C (212°F)	100°C (212°F)
Flash Point	Not applicable.	Not applicable.
Evaporation Rate (Water = 1)	Not determined.	Not determined.
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	1.04	Approximately 1.00
Solubility	Not determined.	Not determined.
Partition Coefficient/n-octanol/water	Not determined.	Not determined.
Autoignition Temperature	Not determined.	Not determined.
Decomposition Temperature	Not determined.	Not determined.
Viscosity	Not determined.	Not determined.

9.2 OTHER INFORMATION

- **WEIGHT% VOC:** Not determined.

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. It will not undergo hazardous polymerization**.**

10.4 CONDITIONS TO AVOID

- Avoid contact with incompatible chemicals.

10.5 INCOMPATIBLE MATERIALS

- Strong acids, strong bases, metals, salts, organics, reducing agents, dust and dirt.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

- Oxygen gas, carbon dioxide, carbon monoxide, hydrocarbons, or organic compounds may be formed during thermal decomposition.

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 TOXICOLOGY DATA:** The following are calculated estimates for the product:
    - Acute Toxicity Estimate (Oral) > 2000 mg/kg
    - Acute Toxicity Estimate (Dermal)> 2000 mg/kg
    - Acute Toxicity Estimate (Inhalation) > 10 mg/L
  - **COMPONENT TOXICITY DATA:** Acute Toxicity Estimate (Oral The following data are available for the hazardous components in this product listed in Section 3 (Composition/Information on Ingredients).

PROPYLENE GLYCOL N-PROPYL ETHER
LD50 (oral, rat) = 2504 mg/kg
LD50 (dermal, rabbit) = 3350 mg/kg

DODECYLBENZENE-SULFONIC ACID
LD50 (oral, rat) = 14500 mg/kg
LD50 (dermal, rabbit) > 2000 mg/kg

ALCOHOLS, C6-C12, ETHOXYLATED
LD50 (oral, rat) = 5100 mg/kg
LD50 (dermal, rabbit) = 1500 mg/kg
LC50 (inhalation, rat) > 3.2 mg/L/1 hour

HYDROGEN PERXOIDE
LD50 (oral, rat) = 1193 mg/kg
LD50 (Dermal, Rabbit = 2000 mg/kg

PHOSPHORIC ACID
LD50 (oral, rat) = 1530 mg/kg
LD50 (dermal, rabbit) = 2730 mg/kg
LC50 (inhalation, rat) = 850 mg/m^3/1 hour

  - **DEGREE OF IRRITATION:** Causes eye irritation. 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.

See Section 4 (First-Aid Measures) for more details.	**Product as SOLD**	**Product at USE DILUTION**
Eyes	Causes eye irritation	May cause mild eye irritation.
Skin	May cause mild skin irritation.	May cause mild skin irritation.
Inhalation	May be irritating to tissues of the respiratory system.	May be irritating to tissues of the respiratory system.
Ingestion	May be irritating to tissues of the digestive system.	May be irritating to tissues of the digestive system.

- **CHRONIC TOXICITY:**
  - **CARCINOGENICITY STATUS:** The following table summarizes the carcinogenicity listing for the components of this product. "NO" indicates that the substance is not considered to be, or suspected to be, a carcinogen by the listed agency.

CHEMICAL	IARC	NTP	NIOSH	OSHA	OTHER
Propylene Glycol n-Propyl Ether	NO	NO	NO	NO	NO
Dodecylbenzene-sulfonic Acid	NO	NO	NO	NO	NO
Alcohols, C6-C12, ethoxylated	NO	NO	NO	NO	NO
Phosphoric Acid	NO	NO	NO	NO	NO
Hydrogen Peroxide	NO	NO	NO	NO	IARC -3; Unclassifiable as to Carcinogenicity. MAK-4: No significant contribution to human cancer risk is anticipated. TLV-A3: Confirmed Animal Carcinogen.

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 the concentration of components, the product is classified as Aquatic Toxicity – Acute (Category 3).
- This product can be harmful to the aquatic environment, especially if large volumes are released into the environment.
- The following aquatic toxicity data are available for components of this product:

PHOSPHORIC ACID
LC50 fishes - 138 mg/L, (96 Hours)
LC50 other aquatic organisms - 100 - 1000 mg/L (96 hours)
LC50 fish - 100 - 1000 mg/L
LC50 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
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

HYDROGEN PEROXIDE
LC50 Pimephales promelas – 10-32 mg/L (96 Hours)
LC50 Oncorhynchus mykiss 18 – 56 mg/L) (96 Hours)
EC50 Static Daphniamagna 18 – 32 mg/L (48 hours)

DODECYLBENZENE-SULFONIC ACID
LC50 fishes – 1.67 mg/L, (96 Hours)
LC50 algae/aquatic plants – 47.3 mg/L (72 hours)
LC50 Crustacea – 2.4 mg/L (48 hours)

ALCOHOLS, C6-C12, ETHOXYLATED
LC50 Crustacea – 9.2 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

- Not available.

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

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						

SECTION 14: TRANSPORT INFORMATION (Continued)

- **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 THRESHOLD PLANNING QUANTITY**: Not applicable.
  - **U.S. SARA HAZARD CATEGORIES (SECTION 311/312, 40 CFR 370-21):** Eye Damage/Irritation.
  - **U.S. CERCLA REPORTABLE QUANTITY (RQ):** Dodecylbenzene Sulfonic Acid = 1000 lb.; Phosphoric Acid = 5000 lb.
  - **U.S. TSCA INVENTORY STATUS:** All components are listed or exempted.
  - **U.S. SARA 313:** Not applicable to this product.
  - **CALIFORNIA SAFE DRINKING WATER ACT (PROPOSITION 65) STATUS:** Not applicable.
- **INTERNATIONAL REGULATIONS**
  - **CANADIAN REGULATORY STATUS:** The **PRODUCT as SOLD** is classified as hazardous under Canadian Hazardous Products Regulations. The SDS contains all required information.
    - **WHMIS 2015:** See Section 2.
  - **CANADIAN DSL/NDSL INVENTORY STATUS:** All components are listed or exempted.
  - **CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITY SUBSTANCES LISTS:** No component is listed.

SECTION 16: OTHER INFORMATION

16.1 INDICATION OF CHANGE

- **DATE OF REVISION:** October 17, 2022
- **SUPERCEDES:** September 15, 2021
- **CHANGE INDICATED:** Update of manufacturer information.

16.2 KEY LITERATURE REFERENCES AND SOURCES FOR DATA

- TOXNET – http://toxnet.nlm.nih.gov/
- European Chemicals Inventory Classification and Listing: http://echa.europa.eu

SECTION 16: OTHER INFORMATION

16.3 HAZARDOUS MATERIALS CLASSIFICATION SYSTEM

Product as SOLD

Health	**1**	HMIS Personal Protective Equipment Rating: Occupational Use situations: B - Safety glasses and gloves should be worn when splashes/sprays can be generated.
Flammability	**0**	
Physical Hazard	**0**	
Protective Equipment	**B**	

Product at USE DILUTION

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

16.4 DISCLAIMER

WAXIE Sanitary Supply 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 Sanitary Supply as to the effects of such use, the results to be obtained or the safety and toxicity of this product, nor does WAXIE Sanitary Supply 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 Sanitary Supply 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; 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/m^3: 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 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. 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.

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