

# 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) 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): 170200, 170282, 170284, 170285
- PRODUCT NAME: **320 Disinfectant Bathroom Cleaner**
  - 3L: 170200**Spring Clean**
  - 5 GL: 170282
  - 1 GL: 170284
  - 55 GL: 170285

### 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 # 1839-168-14994.

## 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 2);  
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

#### Product as SOLD



Hazard Pictograms  
Signal Word  
Hazard Statements

DANGER.  
H315: Causes skin irritation. H318:  
Causes serious eye damage.

#### Product at USE DILUTION

Not applicable.  
Not applicable.  
Not applicable.

## SECTION 2: HAZARDS IDENTIFICATION (Continued)

### 2.2 LABEL ELEMENTS (Continued):

ELEMENT	Product as SOLD	Product at USE DILUTION
<b>Precautionary Statements</b>		
<b>Prevention</b>	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.	P103: Read label before use. P264: Rinse exposed skin after use.
<b>Response</b>	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.	P313: In case of accidental exposure, seek medical advice if irritation persists.
<b>Storage</b>	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.
<b>Disposal</b>	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:

- **Aquatic Toxicity:** Acute Aquatic Toxicity (Category 3). Harmful to aquatic life. Avoid release into the environment.
- May cause severe irritation of the respiratory tract if mists/sprays are inhaled. Ingestion of large quantities may cause irritation, ulceration, nausea.

## 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 <sup>1</sup>
Quaternium-24	32426-11-2	Acute toxicity, Oral (Category 4); Skin corrosion (Category 1B); Serious eye damage (Category 1)	< 1
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 are less than 1% in concentration within this solution. The remaining components of this product are not classified as hazardous in their existing concentrations			Balance

<sup>1</sup> 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

##### Eye Contact

#### Product as SOLD

Flush with copious amounts of water for 15 minutes. "Roll" eyes during flush. Seek medical attention if irritation persists.  
Flush area with warm, running water for several minutes. Seek medical attention if irritation persists.

##### Skin Contact

##### Inhalation

##### Ingestion

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. "Roll" eyes during flush. 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. Drink several cups of 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

#### Product as SOLD

#### Product at USE DILUTION

##### Eye Contact

Causes serious eye damage.

##### Skin Contact

Causes moderate to serious skin irritation, depending on duration of contact  
May cause respiratory tract irritation; symptoms may include coughing and sneezing depending on volume of mist/spray inhaled.

##### Inhalation

##### Ingestion

May cause gastrointestinal system irritation; symptoms may include pain, sore throat, nausea and vomiting if large volumes are ingested.

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.

No adverse effects anticipated.

No adverse effects anticipated.

No adverse effects anticipated.

- CHRONIC HEALTH EFFECTS:

#### Product as SOLD

None reported.

#### Product at USE DILUTION

None reported.

- TARGET ORGANS:

#### Product as SOLD

Skin, eyes.

#### Product at USE DILUTION

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

Product as SOLD

Generates carbon dioxide, carbon monoxide, hydrogen chloride, ammonia, and nitrogen oxides.

Explosion Sensitivity to Mechanical Impact

Not applicable.

Explosion Sensitivity to Static Discharge

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-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 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

	<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:** No airborne exposure limits have been established for any component of this product.
- **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	Green liquid.	Clear, colorless liquid.
Odor	Mint	Pleasant.
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	93.33°C (200 °F).	Approximately 100°C (212°F).
Flash Point	>93.9°C (201 °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 determined.
- 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.
- 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 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): > 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 serious eye damage and skin 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.

AREA EXPOSED	Product as SOLD	Product at USE DILUTION
Eye Contact	Causes serious eye damage.	May cause eye irritation, especially after prolonged exposure.
Skin Contact	Causes moderate to serious skin irritation and potential skin damage.	No adverse effects anticipated.
Inhalation	May cause respiratory tract irritation.	No adverse effects anticipated
Ingestion	May cause gastrointestinal system irritation. are ingested.	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. The following data are available for components of this product:
  - 1-DECANAMINIUM, N-DECYL-N,N-DIMETHYL-CHLORIDE:** Aerobic - Exposure time 28 days; Result: 69 % - Readily biodegradable.

### 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

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.



## 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 HAZARD CATEGORIES (SECTION 311/312, 40 CFR 370-21):** 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:** 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/NDL INVENTORY STATUS:** The listed components of this product are on the DSL/NDL 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:** May 25, 2024
- **SUPERCEDES:** December 1, 2021
- **CHANGE INDICATED:** Review and update of regulatory information.

### 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			Product at USE DILUTION		
Health	3	HMIS Personal Protective Equipment	Health	0	HMIS Personal Protective Equipment Rating:
Flammability	0	Rating: Occupational	Flammability	0	Occupational Use
Physical Hazard	0	Use situations: B- Safety glasses and gloves, if splashes/sprays can be generated.	Physical Hazard	0	situations: No protective equipment is needed under normal circumstances of use and handling.
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 (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/m<sup>3</sup>: 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 designated 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 designated 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.