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): 324044
- PRODUCT NAME: **Grout Rescue Grout Rejuvenator HD Cleaner-Restorer**

1.2 RELEVANT IDENTIFIED USES OF THE MIXTURE

- RECOMMENDED USE: Grout cleaning and restoration.
- 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 Sanitary Supply**
- ADDRESS 9353 Waxie Way; San Diego, CA 92123-1036
- BUSINESS PHONE: 1-800-995-4466
- EMERGENCY PHONE: 1-800-255-3924 (CHEMTEL; 24 hours)

1.2 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.

SECTION 2: HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:

OSHA/HCS Status	Product as SOLD	Product at USE DILUTION
Classification of the Substance or Mixture	Skin corrosion (Category 1)	Skin corrosion (Category 1)

2.2 LABEL ELEMENTS:

ELEMENT	Product as SOLD	Product at USE DILUTION
Hazard Pictograms		
Signal Word	DANGER.	DANGER.
Hazard Statements	Causes severe skin burns and eye damage.	Causes severe skin burns and eye damage.

SECTION 2: HAZARDS IDENTIFICATION (Continued)

2.2 LABEL ELEMENTS (Continued):

ELEMENT	Product as SOLD	Product at USE DILUTION
Precautionary Statements		
General	Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand. Do not breathe dust/fume/gas/mist/vapors/spray. Wear protective gloves. Wear eye or face protection. Wear protective clothing. Wash hands thoroughly after handling.	Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.
Prevention		Keep out of reach of children. Wear protective gloves. Wear eye or face protection. Wear protective clothing. Wash hands thoroughly after handling.
Response	IF SWALLOWED: Immediately call a POISON CENTER or physician. Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or physician. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Immediately call a POISON CENTER.	IF SWALLOWED: Immediately call a POISON CENTER or physician. Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or physician. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Immediately call a POISON CENTER.
Storage	Store locked up.	Store locked up.
Disposal	Dispose of contents and container in accordance with local, regional, national, and international regulations.	Dispose of contents and container in accordance with local, regional, national, and international regulations.

2.3 OTHER PERTINENT DATA ON CHEMICAL AND PHYSICAL HAZARDS:

- Not established.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 SUBSTANCES/MIXTURES

CHEMICAL	CAS NUMBER	GHS HAZARD CLASSIFICATION FOR CHEMICAL	% (w/w)
Phosphoric acid	7664-38-2	Serious eye damage (Category 1); Skin Corrosion (1B)	10-30%
Alcohols, C9-11, ethoxylated	68439-46-3	Acute toxicity, Oral (Category 4); Serious eye damage (Category 1)	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 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 if irritation persists.	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. Drink several cups of water. Do not induce vomiting. Contact a Poison Control Center or physician for instructions.	If conscious only: Rinse mouth with water. Drink several cups of water. Do not induce vomiting. Contact a Poison Control Center or physician for instructions.
Other Recommendations	Wash clothing before reuse.	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
Eye Contact	Causes serious eye damage.	Causes serious eye damage.
Skin Contact	Causes severe burns.	Causes severe burns.
Inhalation	May give off gas, vapor or dust that is very irritating or corrosive to the respiratory system.	May give off gas, vapor or dust that is very irritating or corrosive to the respiratory system.
Ingestion	May cause burns to mouth, throat and stomach.	May cause burns to mouth, throat and stomach.

- **CHRONIC HEALTH EFFECTS:**

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

- **TARGET ORGANS:**

Product as SOLD	Product at USE DILUTION
Eyes, Skin, Respiratory System.	Eyes, Skin, Respiratory System.

4.3 INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

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

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

SECTION 5: FIREFIGHTING MEASURES

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

5.1 EXTINGUISHING MEDIA

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

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

- **NFPA FLAMMABILITY CLASSIFICATION:**

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

- **UNUSUAL HAZARDS IN FIRE SITUATIONS:**

	Product as SOLD	Product at USE DILUTION
Decomposition	Decomposition products may include the following materials: carbon dioxide, carbon monoxide, phosphorus oxides.	Decomposition products may include the following materials: carbon dioxide, carbon monoxide, 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 a 55-gallon or 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.

SECTION 6: ACCIDENTAL RELEASE MEASURES (Continued)

- **RESPONSE PROCEDURES FOR ANY RELEASE:** Absorb spilled liquid with polypads or other suitable absorbent materials. The spilled material may be neutralized with sodium carbonate, sodium bicarbonate or sodium hydroxide. Rinse contaminated items and area thoroughly. Confirm that neutralization/ decontamination 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 one, 5-gallon container) 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; 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. 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

- **AIRBORNE EXPOSURE LIMITS:**

COMPONENT	ACGIH TLV	OSHA PEL	NIOSH REL	OTHER
Phosphoric acid	TWA: 1 mg/m³ 8 hours. STEL: 3 mg/m³ 15 minutes.	TWA: 1 mg/m³ 8 hours. STEL: 3 mg/m³ 15 minutes.	TWA: 1 mg/m³ 10 hours. STEL: 3 mg/m³ 15 minutes.	NE

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

8.2 EXPOSURE CONTROLS

	Product as SOLD	Product at USE DILUTION
Engineering Controls	Use in well-ventilated environment.	Use in well-ventilated environment.
Respiratory Protection	Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.	None needed in normal circumstances of use.
Hand Protection	Neoprene or nitrile gloves are recommended. Ensure gloves are intact prior to use.	Standard chemical-resistant gloves used in janitorial work are recommended.
Eye Protection	Safety glasses. Face-shields are recommended when splash, sprays, or mists can be generated.	Safety glasses.
Body Protection	Standard protection used in janitorial service. If splashes or sprays can occur, a rubber apron should be used.	Standard protection used in janitorial service. If splashes or sprays can occur, a rubber apron should be used.

8.3 PERSONAL PROTECTION SYMBOLS

	Product as SOLD	Product at USE DILUTION
Hand Protection		
Eye/Face Protection		
Body Protection		

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

	Product as SOLD	Product at USE DILUTION
Appearance	Colorless liquid	Colorless liquid
Odor	Fresh	Fresh
Odor Threshold	Not available	Not available.
pH	1.5 to 2.1	1.9
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.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (Continued)

	Product as SOLD	Product at USE DILUTION
Evaporation Rate (Water = 1)	Not determined.	Not determined.
Flammability	Not determined.	Not determined.
Upper/Lower Explosive Limits	Not available	Not available
Vapor Pressure	Not determined.	Not determined.
Vapor Density	Not determined.	Not determined.
Relative Density	1.1	1.1
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:** 0.5%.

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.
- May generate heat upon dilution with water. Avoid adding water in uncontrolled manner.

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

- Acids, bases, oxidizing agents.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

- Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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:
    1. Acute Toxicity Estimate (Oral) > 5000 mg/kg
    2. Acute Toxicity Estimate (Dermal)> 5000 mg/kg
    3. Acute Toxicity Estimate (Inhalation) > 30 mg/L

SECTION 11: TOXICOLOGICAL INFORMATION (Continued)

- **SUBSTANCE TOXICOLOGY DATA:** The following data are available for the hazardous components in this product listed in Section 3 (Composition/Information on Ingredients).

PHOSPHORIC ACID
LD_{50} (Oral , Rat) = 1.25 g/kg

ALCOHOL ETHOXYLATE
LD_{50} (Oral, Rat) = 1,378 mg/kg

- **DEGREE OF IRRITATION:** Corrosive. 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 serious eye damage.	Causes serious eye damage.
Skin	Causes severe burns.	Causes severe burns.
Inhalation	May give off gas, vapor or dust that is very irritating or corrosive to the respiratory system.	May give off gas, vapor or dust that is very irritating or corrosive to the respiratory system.
Ingestion	May cause burns to mouth, throat and stomach.	May cause burns to mouth, throat and stomach.

- **CHRONIC TOXICITY:**
  - **CARCINOGENICITY STATUS:** No component is listed as a known or suspected carcinogen by NTP, IARC, or OSHA.
  - **REPRODUCTIVE TOXICITY INFORMATION:** Not applicable.
  - **MUTAGENIC EFFECTS:** Not applicable.
  - **SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE:** Not applicable.
  - **SPECIFIC TARGET ORGAN TOXICITY – REPEATED EXPOSURE:** Not applicable.
  - **ASPIRATION HAZARD:** 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

- The following aquatic toxicity data are available for components of this product.

POSHPHORIC ACID
Acute LC50 – (Lepomis macrochirus, Fresh water): 60 ppm - 96 hours
Acute EC50 (Daphnia magna, Fresh water): 105 ppm - 48 hours

ALCOHOL ETHOXYLATE
LC50 Fathead Minnow (Pimephales promelas), 1000. µG/L, 96 H, Mortality, Water temperature: 22.00 **°C**

12.2 PERSISTENCE AND DEGRADABILITY

- Not available.

12.3 BIOACCUMULATIVE POTENTIAL

- Not available.

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:** D002; Applicable to wastes consisting only of this product.

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
UN3264	Corrosive liquids, acidic, inorganic, n.o.s (Phosphoric Acid)	II	8		154	No

- **Limited Quantity Exceptions [49 CFR 173.154(b)]**: Limited quantities for Class 8, Packing Group II materials have inner packagings not over 1.0 L [0.3 gal] (liquids) net capacity each, packed in strong outer packaging.
- **CANADIAN TRANSPORTATION INFORMATION**: This product is regulated by Transport Canada as dangerous goods under Canadian transportation standards. Refer to above information.
- **IATA DESIGNATION**: This product is regulated as dangerous goods by the International Air Transport Association. Use the following information:

Proper Shipping Name	Passenger and Cargo Aircraft				Cargo Aircraft Only	
	Limited Quantity		Packing Instruction	Max. Qty per PKG	Packing Instruction	Max. Qty per PKG
	Packing Instruction	Max. Qty per PKG				
Corrosive liquids, acidic, inorganic, n.o.s (Phosphoric Acid)	Y840	0.5 L	851	1 L	855	30 L

- **IMO DESIGNATION**: This product is regulated as dangerous goods by the International Maritime Organization. Use the following information:

Proper Shipping Name	Limited and Excepted Quantity Provisions		Packing		EmS
	Limited Quantities	Excepted Quantities	Instructions	Provisions	
Corrosive liquids, acidic, inorganic, n.o.s (Phosphoric Acid)	1 L	E2	P001	-	F-A, S-B

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 determined.
  - **U.S. SARA HAZARD CATEGORIES (SECTION 311/312, 40 CFR 370-21):** ACUTE: Yes; CHRONIC: No; FIRE: No; REACTIVE: No; SUDDEN RELEASE: No
  - **U.S. CERCLA REPORTABLE QUANTITY (RQ):** Phosphoric Acid = 5000 lb.
  - **U.S. TSCA INVENTORY STATUS:** All components are listed or exempted.
  - **U.S. SARA 313:** Not subject to the reporting requirements of SARA Title III, Section 313.
  - **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.
    - **WHMIS 1988:** It is classified as E –Corrosive Material. See symbol to right.

  - **CANADIAN DSL/NDSL INVENTORY STATUS:** 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:** 2/17/2016
- **SUPERCEDES:** 5/20/2015
- **CHANGE INDICATED:** Format update; formulation change.

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

16.3 HAZARDOUS MATERIALS CLASSIFICATION SYSTEM

Product as SOLD			Product at USE DILUTION		
Health	**3**	HMIS Personal Protective Equipment Rating:: C - Safety glasses and gloves and- body protection suitable to specific circumstances of use should be worn. D - Face-shield should be added if splashes/sprays can occur.	**Health**	**3**	HMIS Personal Protective Equipment Rating: Occupational Use situations: B - Safety glasses and gloves. C – Rubber apron should be added if splashes/sprays can occur.
Flammability	**0**		**Flammability**	**0**	
Physical Hazard	**0**		**Physical Hazard**	**0**	
Protective Equipment	**C/D**		**Protective Equipment**	**B/C**	

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.

SECTION 16: OTHER INFORMATION (Continued)

16.5 ABBREVIATIONS AND ACRONYMS

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

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

SECTION 5: NFPA: National Fire Protection Association. NFPA FLAMMABILITY CLASSIFICATION: The NFPA uses the flash point (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.

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 access 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 under 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.