GHS Format - Safety Data Sheet

Urinal Trap Acid De-Scaler

SECTION 1 - COMPANY AND PRODUCT IDENTIFICATION

PRODUCT NAME: Urinal Trap Acid De-Scaler
TRADE NAME: Urinal Trap Acid De-Scaler
CHEMICAL NAME AND SYNONYMS: Organic Acid Salt
PRODUCT USE: Urinal Trap Acid De-Scaler
COMPANY: Purleve
EMERGENCY: 1-877-787-5383 | 8 – 5PM
ADDRESSS: 111 W. Olive St. Glendale, WI 53212
NON-EMERGENCY PHONE: 1-407-935-1180

SECTION 2 - HAZARDS IDENTIFICATION

GHS CLASSIFICATION:

Health		Environmental		Physical
Acute Toxicity:	Category 5	**Acute Toxicity:**	Category 3	**None Established**
Skin Irritation:	Category 5	**Chronic Toxicity:**	Category 3	
Skin Sensitization:	Category 5			
Eye Irritant:	Category 2A			

GHS LABEL:

Signal Word:
WARNING

WHMIS CLASSIFICATION:
Class E - Corrosive Material

Hazard Statements

H303: May be harmful if swallowed
H318: Causes serious eye damage
H333: May be harmful if inhaled

General precautionary statements

P101: If medical advice is needed, have product container or label at hand
P102: Keep out of reach of children
P103: Read label before use

Precautionary Statements

P202: Do not handle until all safety precautions have been read and understood
P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking
P234: Keep only in original container
P270: Do not eat, drink or smoke when using this product
P235+410: Keep cool. Protect from sunlight
P403+233: Store in a well ventilated place. Keep container tightly closed

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Weight Percent	CAS Number	Recommended Limits
Inhibited urea monohydrochloride	**> 60%**	**506-89-8**	**Not Regulated**
Proprietary blend of non-hazardous components	**> 5%**	**Proprietary Blend**	**Not Determined**
Water	**15-35 %**	**7732-18-5**	**Not Determined**

SECTION 4 – FIRST AID MEASURES

Eye Contact: Flush eyes thoroughly with plenty of fresh, cool water for 15 minutes. Hold lids open while flushing. Contact lenses should not be worn when using chemicals. If worn, remove from eyes quickly during rinse process. Call a physician promptly.

Skin Contact: Rinse affected area with fresh water. After flushing skin, use skin lotion to restore moisture to the skin and relieve possible dryness or redness.

Inhalation: Remove affected person to fresh air. If prolonged shortness of breath or dizziness persists, call a physician promptly.

Ingestion: Drink quart of water. DO NOT induce vomiting. Never give anything by mouth to unconscious person. Call a physician promptly.

Note to Physician: Treatment of overexposure should be directed at the control of symptoms and the patient's clinical condition.

SECTION 5 - FIREFIGHTING MEASURES

Extinguishing Media: Dry chemical, carbon dioxide, water spray.
Unusual Fire Hazards: NONE
Exposure Hazards: NONE
Combustion Products: Oxides of carbon and smoke
Protection for Firefighters: Wear self-contained breathing apparatus to avoid inhaling decomposition byproducts.

Hazard	HMIS	NFPA
Health	2	1
Flammability	0	0
Reactivity	0	0
PPE	D	

HMIS/NFPA Rating KEY:
0 - Minimal
1 - Slight
2 - Moderate
3 - Serious
4 - Severe

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions: Depending on extent of release, consider the need for fire fighters/emergency responders with adequate personal protective equipment for cleaning up. Ensure adequate ventilation. Avoid all sources of ignition; hot surfaces and open flames

Environmental Precautions: Prevent spills from entering storm sewers or drains and contact with soil. Do not dump waste material on the ground, into storm sewers or into public waterways.

Methods for Cleanup: Methods and Materials for Containment and Cleaning Up: Treat as a acid spill. If spill is large, contain material and prevent it from reaching storm sewers or public waterways. Absorb with clay or diatomaceous earth. Recycle or dispose in accordance with current applicable laws and regulations, and product characteristics at time of disposal (see also Section 13).

SECTION 7 – HANDLING AND STORAGE

Precautions for Safe Handling: Use in well-ventilated area away from all ignition sources. Read and understand the SDS before using this product. Avoid contact with eyes. Avoid prolonged repeated skin contact and breathing mists/vapors. Avoid ALL hand to mouth activities (drink/eat/etc.) when using this product. Do not breathe mist/vapors. Wash thoroughly after handling.

Conditions for Safe Storage: Keep containers tightly closed when not in use. Avoid contamination with dirt or other foreign matter. Store in cool and dry area away from open flames and other sources of ignition. Keep out of direct sunlight. Make sure containers are labeled properly. Should containers be subjected to excessive heat, cool them with water spray. Product should be used at normal ambient temperatures. Do not empty waste into sanitary drains.

SECTION 8 – PRECAUTIONS TO CONTROL EXPOSURE / PERSONAL PROTECTION

Exposure Limits:

Component	ACGIH - TLV	ACGIH - STEL	OSHA - PEL	OSHA - STEL
Inhibited urea monohydrochloride CAS#506-89-8	Not Established	Not Established	Not Established	Not Established

* This product contains an organic acid salt that is considered to be **NON-CORROSIVE to skin** as defined and tested in accordance with the U.S. OSHA's Hazard Communication Standard, DOT Hazardous materials regulations, Canada's WHIMS regulations. Classified as a mild skin irritant per the 1992 OECD Guideline for Testing of Chemicals, Number 404. **This material is CORROSIVE to eyes.**

Engineering Controls: Good general ventilation should be sufficient to control possible vapors.

Respiratory Protection: Not normally required in well-ventilated areas. A NIOSH-approved dust/mist respirator may be used if necessary.

Eye Protection: **This material is CORROSIVE to eyes:** Safety goggles or safety glasses needed to prevent eye contact. Do not wear contact lenses.

Skin Protection: Acid-resistant gloves and other protective clothing as needed to avoid skin contact.

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SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Yellowish orange liquid	**Specific Gravity:**	1.09-1.10	**Flashpoint:**	None Established
Odor:	Odorless to slight	**Odor Threshold:**	Not available	**Auto-Ignition Temperature:**	Not available
pH-Value:	Less than 3.0	**Solubility:**	Soluble in water	**Initial boiling point:**	Over 212°F
Solubility:	Soluble in water	**Vapor pressure:**	Not available	**Melting point:**	Not available
Vapor pressure:	Not available	**Vapor density:**	Not available	**Freezing Point:**	Below 33°F
Evaporation rate:	Not available	**Decomposition temperature:**	Not available	**Flammability (solid, gas):**	Not flammable by criteria.

SECTION 10 – STABILITY AND REACTIVITY

Chemical stability:	Stable - Stable up to 230°F. Above 230°F results in exothermic decomposition with rapid release of carbon dioxide gas.
Conditions to Avoid:	Excessive heat, open flame, or contact with incompatible materials
Materials to Avoid:	Avoid contact with alkalines, bleach and other hypochlorites, chlorates, nitrates, oxidizers, soft metals (i.e. aluminum), reducers. In short, do not mix with any other chemicals. Do not let concentrated product contact concrete, stone, marble, tile, soft metals.
Hazardous Polymerization:	Will not occur.
Possibility of hazardous reactions:	None are known.
Hazardous Decomposition Products:	Burning can produce carbon monoxide, carbon dioxide, hydrogen sulfide, oxides of sulfur and normal products of combustion in trace amounts. Flammable Hydrogen gas may be released on contact with certain soft metals at high temperatures.

SECTION 11 – TOXIOLOGICAL INFORMATION

Likely Routes of entry:		**Route of entry and Effects of Overexposure:**	
Skin:	Yes	**Skin:**	Acute exposure may cause slight irritation. Chronic exposure may cause dermatitis and may result in skin absorption.
Eyes:	Yes	**Eyes:**	**This material is CORROSIVE to eyes.** May cause severe irritation, tearing and swelling.
Inhalation:	Yes	**Inhalation:**	Vapor or mist may cause irritation. Prolonged inhalation may cause coughing, dizziness, and shortness of breath.
Ingestion:	Possible, but not likely	**Ingestion:**	May cause nausea and weakness.

Toxicity known to humans:	**LD – 50 mg/kg**	**LC – 50 mg/m^3**
Inhibited urea monohydrochloride CAS#506-89-8	LD50(Calculated): >5,000 mg/kg (Oral, Rat)	Not applicable.

Reproductive Effects	Teratogenicity	Mutagenicity	Embryotoxicity	Sensitization to Product	Synergistic Properties
None Known	None Known	None Known	None Known	None Known	None Known

Chronic (long-term) health effects: None known to humans

SECTION 12 – ECOLOGICAL INFORMATION

Persistence and degradability:	Pure acid component in un-neutralized form: 96 hour LC0 > 140 mg/L (rainbow trout), 48 hour LC50 71.1 mg/L (ceriodaphnia dubia), 15 minute IC50 16.23% effect at a concentration of 10 mg/L (vibrio fischeri, 4H6002).
Bio-accumulative potential:	There is no evidence to suggest bioaccumulation will occur.
Aquatic Toxicity:	Eco-toxicity once material is properly neutralized or thoroughly diluted (no acidity) is not known exactly but is expected to be very low.
Mobility:	Accidental spillage may lead to penetration in the soil and groundwater. However, there is no evidence that this would cause adverse ecological effects.

SECTION 13 – WASTE DISPOSAL CONSIDERATIONS

Waste codes D002: Waste Corrosive material [pH <=2 or =>12.5, or corrosive to steel] The product is suitable for processing at an appropriate government recycling or waste disposal facility. Recycle or dispose in accordance to user compliance with applicable laws and regulations and consideration of product characteristics at time of disposal.

SECTION 14 – TRANSPORTATION INFORMATION

	Proper Shipping Name	UN Number	Label Required	Hazard Class	Secondary Risk	Packaging Group	Marine Pollutant
DOT (land):	Shipping Name: Non-Regulated	NA	NA	NA	NA	NA	NO
IATA/ICAO (air):	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.(urea hydrochloride)	UN3265	CORROSIVE	8	NA	III	NO
IMDG (water):	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.(urea hydrochloride)	UN3265	CORROSIVE	8	NA	III	NO
TDG Information:	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.(urea hydrochloride)	UN3265	CORROSIVE	8	NA	III	NO

SECTION 15 – REGULATORY INFORMATION

GHS Precautionary Label:	**WARNING,**	**CAS Registry Number:** **506-89-8** in proprietary blend (Mixture)
CHIP Hazard Symbols:	**C/Corrosive**	
Safety Phrases:	**S20/21** When using do not eat, drink or smoke **S2** Keep out of the reach of children **S3** Keep in a cool place	**S62** If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label where possible
Risk Phrases:	**R36/37/38** Irritating to eyes, respiratory system and skin **R41** Risk of serious damage to eyes	**R66** Repeated exposure may cause skin dryness or cracking **R67** Vapors may cause drowsiness and dizziness
SARA Section 311/312:	No component of this product is listed as an extremely hazardous substance.	**SARA Section 313:** Not listed
California Proposition 65:	The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986. There are no ingredients in this product which are subject to the reporting requirements of California Proposition 65.	
TSCA:	All components of this product are listed on the Toxic Substance Control Act (TSCA) Section 8(b) Chemical Inventory and the Canadian Environmental Protection Act (CEPA) provisional domestic substances list (DSL). This product does not contain toxic components on the TSCA Section 12(b) export notification list.	

SECTION 16 – OTHER INFORMATION

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VALID THROUGH: FEB2017-FEB2019