



# GHS Format - Safety Data Sheet

## PART B: Enzymatic Trap Cleaner

### SECTION 1 - COMPANY AND PRODUCT IDENTIFICATION Enzymatic Trap Cleaner

**PRODUCT NAME:** Enzymatic Trap Cleaner

**TRADE NAME:**

**CHEMICAL NAME AND SYNONYMS:** Enzymatic Cleaner

**PRODUCT USE:** Trap Cleaner

**COMPANY:** Purleve

**EMERGENCY:** 1-877-787-5383 | 8 – 5PM

**ADDRESS:** 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 Skin Irritation: Category 5 Skin Sensitization: Category 5 Eye Irritant: Category 2A	Acute Toxicity: None Know Chronic Toxicity: None Know	None Established

**GHS LABEL:**



**Signal Word: WARNING**

Not a dangerous substance according to GHS Classification

No ingredients are hazardous according to HCS criteria.

**WHMIS CLASSIFICATION:**

Not a dangerous substance according to WHMIS Classification

Hazard Statements	Precautionary Statements
H303: May be harmful if swallowed H317: May cause an allergic skin reaction symptoms or breathing difficulties if inhaled H318: Causes serious eye damage H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled	P202: Do not handle until all safety precautions have been read and understood P234: Keep only in original container P235+410: Keep cool. Protect from sunlight P270: Do not eat, drink or smoke when using this product P403+233: Store in a well ventilated place. Keep container tightly closed
<b>General precautionary statements</b> 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	

### SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Weight Percent	CAS Number	Recommended Limits
Protease (Enzyme protein)	> 0.5	9014-01-1	0.00006 mg/m3 Air Limit (as 100% pure protease as inhalation hazard)
Amylase	> 0.5	9000-92-4	Not Determined
Proprietary blend of non-hazardous components	> 4.0	Proprietary Blend	Not Determined
Water	75-95 %	7732-18-5	Not Determined

### SECTION 4 – FIRST AID MEASURES

<b>Eye Contact:</b>	Flush eyes thoroughly with fresh water. Hold lids open while flushing. Call a physician promptly.
<b>Skin Contact:</b>	Flush affected area thoroughly with fresh water. Remove and wash contaminated clothing. Skin contact from handling may induce sensitization and may cause allergic reactions in sensitized individuals. Call physician if irritation persists.
<b>Inhalation:</b>	Remove affected person to fresh air. Call physician if symptoms persist.
<b>Ingestion:</b>	Drink water to dilute. (Never give anything by mouth to an unconscious person.) Do not induce vomiting. Call a physician promptly.
<b>Note to Physician:</b>	Treatment of overexposure should be directed at the control of symptoms and the patient's clinical condition.

### SECTION 5 - FIREFIGHTING MEASURES

<b>Extinguishing Media:</b> Dry chemical, carbon dioxide, water spray.	<b>Hazard</b>	<b>HMIS</b>	<b>NFPA</b>	<b>HMIS/NFPA Rating KEY:</b>
<b>Unusual Fire Hazards:</b> NONE	<b>Health</b>	1	1	0 - Minimal
<b>Exposure Hazards:</b> NONE	<b>Flammability</b>	0	0	1 - Slight
<b>Combustion Products:</b> Oxides of carbon and smoke	<b>Reactivity</b>	0	0	2 - Moderate
<b>Protection for Firefighters:</b> Wear self-contained breathing apparatus to avoid inhaling decomposition byproducts.	<b>PPE</b>	D		3 - Serious
				4 - Severe

### SECTION 6 – ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions:</b>	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
<b>Environmental Precautions:</b>	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.
<b>Methods for Cleanup:</b>	Methods and Materials for Containment and Cleaning Up: Treat as a non-hazardous spill. If spill is large, contain material and prevent it from reaching storm sewers or public waterways. Absorb with clay or diatomaceous earth. 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

<b>Precautions for Safe Handling:</b>	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.
<b>Conditions for Safe Storage:</b>	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

<b>Exposure Limits:</b>	<b>Component</b> Protease (Enzyme protein)	<b>ACGIH - TLV</b> 0.00006 mg/m3 (as 100% pure protease) Per OSHA TABLE Z-1 Limits for Air Contamination
<b>Engineering Controls:</b>	Good general ventilation should be sufficient to control possible vapors.	
<b>Respiratory Protection:</b>	Not normally required in well-ventilated areas. A NIOSH-approved dust/mist respirator may be used if necessary.	
<b>Eye Protection:</b>	Safety goggles or safety glasses as needed to prevent eye contact. Do not wear contact lenses.	
<b>Skin Protection:</b>	Chemical resistant gloves and other protective clothing as needed to avoid skin contact.	



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### SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b> Yellowish liquid	<b>Relative density:</b> 1.005-1.010	<b>Flashpoint:</b> None Established
<b>Odor:</b> No noticeable odor	<b>Odor Threshold:</b> Not available	<b>Auto-Ignition Temperature:</b> Not available
<b>pH-Value:</b> Not applicable	<b>Partition coefficient:</b> Not available	<b>Initial boiling point:</b> Over 212°F
<b>Solubility:</b> Soluble in water	<b>Evaporation rate:</b> Not available	<b>Melting point:</b> Not available
<b>Vapor pressure:</b> Not available	<b>Vapor density:</b> Not available	<b>Freezing Point:</b> Not available
<b>Evaporation rate:</b> Not available	<b>Decomposition temperature:</b> Not available	<b>Explosion limits:</b> None Established
<b>Flammability (solid, gas):</b> Not available	<b>Flammable limit – LEL:</b> None Established	<b>Flammable limit – LEL:</b> None Established

### SECTION 10 – STABILITY AND REACTIVITY

<b>Chemical stability:</b> Stable - No decomposition, if used according to specifications.
<b>Conditions to Avoid:</b> Excessive heat, ignition sources and build up of static electricity.
<b>Materials to Avoid:</b> Avoid contact with strong acids, caustics, oxidizers, and reducers.
<b>Hazardous Polymerization:</b> Will not occur.
<b>Possibility of hazardous reactions:</b> None are known.
<b>Hazardous Decomposition Products:</b> Burning can produce carbon monoxide, carbon dioxide and oxides of sulfur in trace amounts.

### SECTION 11 – TOXIOLOGICAL INFORMATION

<b>Likely Routes of entry:</b>	<b>Route of entry and Effects of Overexposure:</b>
<b>Skin:</b> Yes	<b>Skin:</b> Acute exposure may cause slight irritation. Chronic exposure may cause dermatitis and may result in skin absorption.
<b>Eyes:</b> Yes	<b>Eyes:</b> May cause irritation, tearing and swelling.
<b>Inhalation:</b> Yes	<b>Inhalation:</b> Vapor or mist may cause irritation. Prolonged inhalation may cause coughing, dizziness, and shortness of breath.
<b>Ingestion:</b> Possible, but not likely	<b>Ingestion:</b> May cause nausea and weakness.

#### Toxicity known to humans:

Protease (Enzyme protein) (CAS# 9014-01-1) and Proprietary blend of non-hazardous components\*

LD – 50 mg/kg

Oral - rat - 2,000 mg/kg

LD – 50 mg/kg

Oral - rat - 3,700 mg/kg

<b>Reproductive Effects</b>	<b>Teratogenicity</b>	<b>Mutagenicity</b>	<b>Embryotoxicity</b>	<b>Sensitization to Product</b>	<b>Synergistic Properties</b>
None Established	None Established	None Established	None Established	None Established	None Established

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

### SECTION 12 – ECOLOGICAL INFORMATION

<b>Persistence and degradability:</b> The total of the organic components contained in the product is not classified as "readily biodegradable" (OECD-301 A-F). However, this product is expected to be inherently biodegradable.
<b>Bio-accumulative potential:</b> There is no evidence to suggest bioaccumulation will occur.
<b>Aquatic Toxicity:</b> There is no evidence to suggest this will occur.
<b>Mobility:</b> 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

Dispose in accordance with current applicable laws and regulations, and product characteristics at time of disposal. The product is suitable for processing at an appropriate government recycling or waste disposal facility. Use of these methods is subject to user compliance with applicable laws and regulations and consideration of product characteristics at time of disposal.

### SECTION 14 – TRANSPORTATION INFORMATION

	<b>Proper Shipping Name</b>	<b>UN Number</b>	<b>Label Required</b>	<b>Hazard Class</b>	<b>Secondary Risk</b>	<b>Packaging Group</b>	<b>Marine Pollutant</b>
<b>DOT (land):</b>	Shipping Name: Non-Regulated	NA	NA	NA	NA	NA	NO
<b>IATA/ICAO (air):</b>	Shipping Name: Non-Regulated	NA	NA	NA	NA	NA	NO
<b>IMDG (water):</b>	Shipping Name: Non-Regulated	NA	NA	NA	NA	NA	NO
<b>TDG Information:</b>	Shipping Name: Non-Regulated	NA	NA	NA	NA	NA	NO

### SECTION 15 – REGULATORY INFORMATION

<b>GHS Precautionary Label:</b>	WARNING (As PRECAUTION)	<b>CAS Registry Number:</b> Not available - proprietary blend
<b>CHIP Hazard Symbols:</b>	NONE	
<b>Safety Phrases:</b>	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
<b>Risk Phrases:</b>	R36/37/38 Irritating to eyes, respiratory system and skin	R66 Repeated exposure may cause skin dryness or cracking R67 Vapours may cause drowsiness and dizziness
<b>SARA Section 311/312:</b>	No component of this product is listed as an extremely hazardous substance.	SARA Section 313: Not listed
<b>California Proposition 65:</b>	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.	
<b>TSCA:</b>	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

**Disclaimer:** The Safety Data Sheet relates only to the specific information contained and does not relate to other materials or processes. The data contained is believed to be correct, current, and presented in good faith. However, because the conditions of use are outside our control, it should not be taken as a warranty or representation, expressed or implied, for which Purleve, or agents acting on Purleve' behalf, assumes legal responsibility. This information is provided solely for consideration, investigation, and verification. Purleve disclaims any liability against infringement of any patent through customer use of any Purleve product or process in combination with other materials or processes.

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VALID THROUGH: FEB2017-JUN2020