



Safety Data Sheet

Enzymatic Urinal Gel

SECTION 1 - COMPANY AND PRODUCT IDENTIFICATION

PRODUCT NAME: Enzymatic Urinal Puck
CHEMICAL NAME AND SYNONYMS: Enzymatic Urinal Puck
COMPANY: Purleve
ADDRESS: 111 W. Olive St. Glendale, WI 53212 USA

TRADE NAME: Enzymatic Urinal Puck
PRODUCT USE: Urinal Puck
EMERGENCY: Poison Control Center at 1-800-222-1222
NON-EMERGENCY PHONE: 1-877-787-5383

SECTION 2 - HAZARDS IDENTIFICATION

GHS CLASSIFICATION:

Health	Environmental	Physical
Acute Toxicity: None Known Skin Irritation: Category 5 Skin Sensitization: Category 5 Eye Irritant: Category 5	Acute Toxicity: None Known Chronic Toxicity: None Known	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 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	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

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Weight Percent	CAS Number	Recommended Limits
Protease (Enzyme protein)	> 0.5	9014-01-1	0.00006 mg/m ³ Air Limit (as 100% pure protease as inhalation hazard)
Amylase	> 0.5	9000-92-4	Not Determined
Proprietary blend of non-hazardous components	> 24.0	Proprietary Blend	Not Determined
Water	25-40 %	7732-18-5	Not Determined

SECTION 4 - FIRST AID MEASURES

Eye Contact:	Flush eyes thoroughly with fresh water. Hold lids open while flushing. Call a physician promptly.
Skin Contact:	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.
Inhalation:	Remove affected person to fresh air. Call physician if symptoms persist.
Ingestion:	Drink water to dilute. (Never give anything by mouth to an unconscious person.) Do not induce vomiting. 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

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

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
	Protease (Enzyme protein)	0.00006 mg/m ³ (as 100% pure protease) Per OSHA TABLE Z-1 Limits for Air Contamination
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:	Safety goggles or safety glasses as needed to prevent eye contact. Do not wear contact lenses.	
Skin Protection:	Chemical resistant gloves and other protective clothing as needed to avoid skin contact.	



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SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Blue Solid	Relative density: Solid	Flashpoint: None Established
Odor: Fragranced	Odor Threshold: Not available	Auto-Ignition Temperature: Not available
pH-Value: Not applicable	Partition coefficient: Not available	Initial boiling point: Over 212°F
Solubility: As Liquid, Not as Solid	Evaporation rate: Not available	Melting point: Over 140°F
Vapor pressure: Not available	Vapor density: Not available	Freezing Point: Not available
Evaporation rate: Not available	Decomposition temperature: Not available	Explosion limits: None Established
Flammability (solid, gas): Not available	Flammable limit – LEL: None Established	Flammable limit – LEL: None Established

SECTION 10 – STABILITY AND REACTIVITY

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

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: May cause 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:

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

Reproductive Effects	Teratogenicity	Mutagenicity	Embryotoxicity	Sensitization to Product	Synergistic Properties
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

Persistence and degradability:	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.
Bio-accumulative potential:	There is no evidence to suggest bioaccumulation will occur.
Aquatic Toxicity:	There is no evidence to suggest this will occur.
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

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

	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):	Shipping Name: Non-Regulated	NA	NA	NA	NA	NA	NO
IMDG (water):	Shipping Name: Non-Regulated	NA	NA	NA	NA	NA	NO
TDG Information:	Shipping Name: Non-Regulated	NA	NA	NA	NA	NA	NO

SECTION 15 – REGULATORY INFORMATION

GHS Precautionary Label:	NONE	CAS Registry Number: Not available - proprietary blend
CHIP Hazard Symbols:	NONE	
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	R66 Repeated exposure may cause skin dryness or cracking R67 Vapours 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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