

Super Digest-It Bio-Enzymatic Drain Opener

Safety Data Sheet

SECTION 1: Identification

1.1. Identification

Product name : Super Digest-It

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Bio-Enzymatic Drain Opener

1.3. Details of the supplier of the safety data sheet

Unique Manufacturing and Marketing
5752 Lamar St.
Arvada, CO 80002

1.4. Emergency telephone number

Emergency number 720-798-6122

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Not classified

2.2. Label elements

GHS US labeling

No labeling applicable

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%
Water	(CAS-No.) 7732-18-5	> 90
Alcohols, C9-11, ethoxylated	(CAS-No.) 68439-46-3	Proprietary
1,2-Propanediol	(CAS-No.) 57-55-6	Proprietary
Trisodium citrate dihydrate	(CAS-No.) 6132-04-3	Proprietary
Proxel GXL	Mixture	Proprietary
Subtilisins (proteolytic enzymes)	(CAS-No.) 9014-01-1	Proprietary
Amylase, .alpha.-	(CAS-No.) 9000-90-2	Proprietary
Cellulase	(CAS-No.) 9012-54-8	Proprietary
Lipase, triacylglycerol	(CAS-No.) 9001-62-1	Proprietary
Kathon CG/ICP	Mixture	Proprietary
Viable bacteria cultures	None	Proprietary
Fragrance	Mixture	Proprietary

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : No specific first aid necessary for this route of exposure.
First-aid measures after skin contact : In case of contact, wash area with soap and water, apply a topical antiseptic agent.
First-aid measures after eye contact : Flush with plenty of water for at least 15 minutes. Seek medical advice if irritation develops or persists.

Super Digest-It Bio-Enzymatic Drain Opener

Safety Data Sheet

First-aid measures after ingestion : Give affected person several glasses of water and induce vomiting. Obtain medical attention. Never give anything by mouth to an unconscious person.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation : None under normal use.
Symptoms/injuries after skin contact : Prolonged or repeated exposure may cause irritation. Bacterial infection may occur through open wounds or broken skin.
Symptoms/injuries after eye contact : May cause redness and irritation.
Symptoms/injuries after ingestion : May cause nausea, vomiting and diarrhea if ingested.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.
Unsuitable extinguishing media : None.

5.2. Special hazards arising from the substance or mixture

Fire hazard : None known.
Explosion hazard : None known.

5.3. Advice for firefighters

Protection during firefighting : Firefighters should wear full protective gear.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : If possible, stop flow of product.
Methods for cleaning up : Confine spill and soak up with absorbent. Place in an approved container and dispose in accordance with local, state and federal regulations.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid eye and skin exposure. Wash thoroughly after handling. Keep out of reach of children.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a cool, dry place. Do not freeze. Keep container tightly closed when not in use.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

1,2-Propanediol (57-55-6)		
AIHA	WEEL TWA	10 mg/m ³
Subtilisins (proteolytic enzymes) (9014-01-1)		
ACGIH	ACGIH OEL Ceiling	0.00006 mg/m ³
NIOSH	NIOSH REL (STEL)	0.00006 mg/m ³

8.2. Exposure controls

Appropriate engineering controls : None required under normal product handling conditions.
Hand protection : Wear impervious gloves to minimize skin contact.

Super Digest-It Bio-Enzymatic Drain Opener

Safety Data Sheet

Eye protection	: Use safety glasses if splashing is likely.
Skin and body protection	: Wear suitable working clothes.
Respiratory protection	: None required under normal product handling conditions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Translucent.
Color	: None
Odor	: Fragrant
Odor threshold	: No data available
pH	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Solubility	: Miscible with water.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

The product is stable at normal handling and storage conditions.

10.3. Possibility of hazardous reactions

Will not occur.

10.4. Conditions to avoid

None.

10.5. Incompatible materials

None.

10.6. Hazardous decomposition products

Not determined.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Water (7732-18-5)

LD50 oral rat	> 90 ml/kg
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Super Digest-It Bio-Enzymatic Drain Opener

Safety Data Sheet

Alcohols, C9-11, ethoxylated (68439-46-3)	
LD50 oral rat	1400 mg/kg
ATE US (oral)	1378 mg/kg
1,2-Propanediol (57-55-6)	
LD50 oral rat	20 g/kg
LD50 dermal rabbit	20800 mg/kg
ATE US (oral)	20000 mg/kg body weight
ATE US (dermal)	20800 mg/kg body weight
Subtilisins (proteolytic enzymes) (9014-01-1)	
LD50 oral rat	3700 mg/kg
ATE US (oral)	500 mg/kg body weight
Amylase, .alpha.- (9000-90-2)	
LD50 oral rat	> 7500 mg/kg

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information

12.1. Toxicity

1,2-Propanediol (57-55-6)	
LC50 - Fish [1]	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 - Crustacea [1]	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 - Fish [2]	41 – 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

1,2-Propanediol (57-55-6)	
BCF - Fish [1]	< 1

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Effect on the ozone layer : No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not applicable

Super Digest-It Bio-Enzymatic Drain Opener

Safety Data Sheet

SECTION 15: Regulatory information

15.1. US Federal regulations

Water (7732-18-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Alcohols, C9-11, ethoxylated (68439-46-3)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

EPA TSCA Regulatory Flag

XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).

1,2-Propanediol (57-55-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Subtilisins (proteolytic enzymes) (9014-01-1)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

EPA TSCA Regulatory Flag

XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).

Amylase, .alpha.- (9000-90-2)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

EPA TSCA Regulatory Flag

XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).

Cellulase (9012-54-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

EPA TSCA Regulatory Flag

XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).

Lipase, triacylglycerol (9001-62-1)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

EPA TSCA Regulatory Flag

XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).

15.2. US State regulations

1,2-Propanediol (57-55-6)

U.S. - Minnesota - Hazardous Substance List
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: Other information

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.