



SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

GHS product identifier

Product Name DNase Enzyme and Buffer

Other means of identification

Product Code(s) 10383222, 10383224 and 10383228

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use General Laboratory Use

Uses advised against No information available

Supplier's details

Supplier Address

HTG Molecular Diagnostics Inc.
3430 E. Global Loop
Tucson, AZ 85706
TEL: (520) 547-2827
FAX: (520) 547-2837

Emergency telephone number

Emergency Telephone CHEMTREC: 1-800-424-9300 for US/ 703-527-3887 outside US **Number**

2. HAZARDS IDENTIFICATION

Classification

None

Signal Word **Danger** Hazard Statements

None

Prevention

- Not applicable

General Advice

- Not applicable

Storage

3430 E. Global Loop | Tucson, AZ 85706 | (877) 289-2615 | htgmolecular.com

- Not applicable

Disposal

Not applicable

Hazard Not Otherwise Classified (HNOC)

Not applicable

Other information

No information available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %	Trade secret
Glycerol	56-81-5	40-70	*
Triton x-100 9002-93-1 (<0.9)	9002-93-1	<0.9	*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES**Description of necessary first-aid measures****Eye Contact**

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes.

Skin Contact

Wash off immediately with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes.

Inhalation

Not expected to present a significant inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.

Ingestion

Not expected to present a significant ingestion hazard under anticipated conditions of normal use of this material. If you feel unwell, seek medical advice. .

Most important symptoms/effects, acute and delayed**Most Important Symptoms/Effects**

Not applicable

Indication of immediate medical attention and special treatment needed, if necessary

None.

5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media No information available

Specific Hazards Arising from the Chemical

Not known .

Explosion Data

Sensitivity to Mechanical Impact
Sensitivity to Static Discharge

None.
 None

Protective Equipment and Precautions for Firefighters

Standard procedure for chemical fires.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures

Personal Precautions Ensure adequate ventilation. Always wear recommended Personal Protective Equipment.

Environmental Precautions

Environmental Precautions No special environmental precautions required.

Methods and materials for containment and cleaning up

Methods for Containment soak up with inert absorbent material. .

Methods for Cleaning Up

Soak up with inert absorbent material (

7. HANDLING AND STORAGE

Precautions for safe handling

Handling

Use personal protective equipment as required. No special handling advices are necessary.

Conditions for safe storage, including any incompatibilities

Storage

Keep in a dry, cool, and well-ventilated place. Keep in properly labeled containers.

Incompatible Products

Not applicable .

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL
Glycerol	TWA: 10 ppm S*	15 mg/m ³ 5 mg/m ³
Triton X-100	None	None

Appropriate engineering controls

Engineering Measures Ensure adequate ventilation, especially in confined areas

Individual protection measures, such as personal protective equipment

Eye/Face Protection
Skin and Body Protection
Respiratory Protection

Tightly fitting safety goggles.
 Wear suitable protective clothing.
 In case of insufficient ventilation wear respirators and components tested and approved under appropriate government standards.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practices.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Partition coefficient: n-octanol/water No data available

Appearance Clear Odor Threshold No information available

<u>Physical State</u>	<u>Liquid</u>	<u>Remarks/ - Method</u>
<u>Odor</u>	<u>None</u>	
<u>Property</u>	<u>Values</u>	
pH		
Melting Point/Range	No data available	None known
Boiling Point/Boiling Range	No data available	None known
Flash Point	No data available	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limits in Air		
upper flammability limit	No data available	None known
lower flammability limit	No data available	None known
Vapor Pressure	No data available	None known
Vapor Density	No data available	None known
Relative Density	No data available	None known
Specific Gravity	No data available	None known
Water Solubility	No data available	None known
Solubility in other solvents	No data available	None known
Autoignition Temperature	No data available.	None known
Decomposition Temperature	No data available	None known
Viscosity	No data available	None known
Flammable Properties	Not flammable	None known
Explosive Properties	No data available	None known
Oxidizing Properties	No data available	None known
<u>Other information</u>		
VOC Content (%)	No data available	None known

10. STABILITY AND REACTIVITY

Reactivity

No data available.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Hazardous polymerization does not occur.

Conditions to avoid

None under normal processing

Incompatible materials

No dangerous reaction known under conditions of normal use

Hazardous decomposition products

No data available

11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure**

Product Information The product itself has not been tested.

Inhalation

Eye Contact Conclusive but not sufficient for classification

Skin Contact Conclusive but not sufficient for classification .

Ingestion Conclusive but not sufficient for classification

Toxicology data for the components

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Glycerol	=12600 mg/kg Oral	No data available	>570mg/m ³ (Rat)
Triton X-100	=1800 mg/kg (Rat) = 4190 mg/kg (Rat) = 1700 mg/kg (Rat)	No data available	No data available

Symptoms related to the physical, chemical, and toxicological characteristics

Symptoms No information available.

Delayed and immediate effects and also chronic effects from short- and long-term exposure

Sensitization Data are conclusive but insufficient for classification

Mutagenic Effects Data are conclusive but insufficient for classification

Carcinogenicity .

Data are conclusive but insufficient for classification

Reproductive Toxicity

STOT - single exposure Data are conclusive but insufficient for classification

STOT - repeated exposure Data are conclusive but insufficient for classification

Data are conclusive but insufficient for classification

Aspiration Hazard**Numerical measures of toxicity - Product Acute Toxicity**

No information available.

12. ECOLOGICAL INFORMATION**Ecotoxicity**

The environmental impact of this product has not been fully investigated.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Glycerol	No data available	No data available	No data available	No data available
Triton X-100	No data available	No data available	No data available	No data available

Persistence and Degradability Inherently biodegradable

Bioaccumulation Material does not bioaccumulate

Other Adverse Effects

DNase Buffer contains a known or suspected endocrine disruptor

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods

The generation of waste should be avoided or minimized whenever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in according to approved disposal technique. Disposal of this product or any by-products, shall comply with the requirements of all applicable, local, regional, or national/federal regulations. Do not empty into drains. Do not dispose of waste into sewer

14. TRANSPORT INFORMATION

DOT	Not regulated
TDG	Not regulated
MEX	Not regulated
ICAO	Not regulated
IATA	Not regulated
IMDG/IMO	Not regulated
RID	Not regulated
ADR	Not regulated
ADN	Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA	Complies
DSL	Complies
EINECS	Complies
ENCS	Complies
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

U.S. Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard

No

Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

U.S. State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

16. OTHER INFORMATION

Issuing Date	01-May-2021
Revision Date	01-May-2021
Revision Note	Initial Release.

The information provided on this SDS is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet

Current