

Safety Data Sheet

1: Identification of substance / mixture

1. Product Identifier

Mixture

Product Name **5X N-Glycanase® Tris Reaction Buffer**
Product Code WS0145
CAS Number NA
Other Names
IUPAC NA
MFCN Number NA
EC/EINECS NA
REACH Number NA

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

Research and Development

3. Details of the supplier of the safety data sheet

ProZyme, Inc
3832 Bay Center Place,
Hayward
CA
94545-3619
USA

Telephone: +1 (510) 638-6900
Fax number: +1 (510) 638 6919
Email: info@prozyme.com



4. Emergency telephone number

+1 (760) 476 3961

2. Hazards Identification

1. Classification of the substance or mixture

H315	Skin Irrit. 2	R38, R36/38, R36/37/38, R37/38
H335	STOT SE 3a	R37, R36/37, R36/37/38, R37/38

* The risk codes have been generated using Annex VII of directive 67/548/EEC. Risk code combinations are not included.

2. Label elements

Signal Word **Warning**



Hazard Statements

H315	Causes skin irritation.
H335	May cause respiratory irritation.

Precautionary Phrases

None Hazardous

3. Other Hazards

Additional precautionary phrases are located throughout the safety data sheet.

3. Composition / Information on Ingredients

1. Substances

Not Relevant

2. Mixtures

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Modified: 23/10/2012

Concentration	Product Name	CAS Number	EC/EINECS
99%	Water	7732-18-5	215-185-5
50 mM	Tris-HCl	1185-53-1	214-684-5

4. First Aid Measures

1. Description of first aid measures

- Skin Contact* Wash immediately with plenty of soap and water.
- Eye Contact* Rinse with plenty of water. If symptoms arise, call a physician.
- Ingestion* Never give anything by mouth to an unconscious person. If symptoms arise, consult a physician. Do not induce vomiting without medical advice.
- Inhalation* Move to fresh air. If symptoms arise, call a physician. If not breathing, give artificial respiration.

2. Most important symptoms and effects

There may be irritation and redness at the site of contact.

3. Indication of any immediate medical attention

Obtain medical attention in the event of any acute or delayed symptoms.

5. Firefighting measures

1. Extinguishing Media

- Suitable* Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Unsuitable* NA

2. Special Hazards arising from the substance or mixture

In combustion emits toxic fumes of carbon oxides, nitrogen oxides (NOx) and hydrogen chloride gas.

3. Advice for Fire Fighters

Wear self-contained breathing apparatus and protective clothing if needed.

6. Accidental Release Measures

1. Personal Precautions

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Avoid breathing mist.

2. Environmental Precautions

Do not discharge into drains or rivers.

3. Methods & Materials

Absorb small spills with appropriate absorbant material. Wash the spillage site with large amounts of water. Place in suitable container for proper disposal.

7. Handling and Storage

1. Personal Precautions

- Safe Handling* Wear appropriate protective clothing (safety glasses, gloves, laboratory coat). Handle in accordance with all current regulations and standards.
- Protection against explosions and fires* NA

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2. Conditions for safe storage, including any incompatibilities

<i>Managing Storage Risks</i>	Store cold at +2-8°C or at -20 °C.
<i>Storage Controls</i>	Store according to product labeling. Handle and store in accordance with all current regulations and standards.
<i>Maintaining Integrity</i>	Keep container tightly closed. Store cold at +2-8°C or at -20 °C.
<i>Other advice</i>	NA

3. Specific End Uses

The end use(s) have not been fully determined. The substance is supplied for Research and Development purposes by professionals only.

8. Exposure Controls/Personal Protection

1. Control Parameters

Not Applicable

2. Exposure Controls

<i>General protective and hygiene measures</i>	P280: Wear protective gloves/protective clothing/eye protection/face protection. Handle and store in accordance with all current regulations and standards.
<i>Engineering measures</i>	NA
<i>Eye / Face Protection</i>	Safety Glasses with side-shields.
<i>Hand protection</i>	Protective gloves.
<i>Respiratory protection</i>	P261: Avoid breathing dust/fume/gas/mist/vapours/spray. Respiratory protection not required under normal handling conditions.
<i>Skin protection</i>	Wear appropriate protective clothing (safety glasses, gloves, laboratory coat).
<i>Other personal protection advice</i>	NA

9. Physical and Chemical Properties

1. Physical and Chemical Properties

Appearance	Clear liquid
Odour	Not Available
Odour threshold	Not Available
PH	8.0
Melting point / Freezing point	Not Available
Initial boiling point and boiling range	Not Available
Flash point	Not Available
Evaporation rate	Not Available
Flammability(solid,gas)	Not Available
Upper/lower flammability or explosive limits	Not Available
Vapour pressure	Not Available
Vapour density	Not Available
Relative density	Not Available
Solubility(ies):	Not Available
Partition coefficient: n-octanol/water	Not Available
Auto-ignition temperature	Not Available
Decomposition temperature	Not Available

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Viscosity	Not Available
Explosive properties	Not Available
Oxidising properties	Not Available

2. Other Information

Not available

10. Stability and Reactivity

1. Reactivity

No dangerous reaction known under conditions of normal use.

2. Stability

Stable under recommended storage conditions.

3. Possibility of Hazardous Reactions

No hazardous reactions known.

4. Conditions to Avoid

Strong oxidizing agents.

5. Incompatible Materials

Strong oxidizing agents.

6. Hazardous Decomposition Products

In combustion emits fumes of carbon oxides, nitrogen oxides (NO_x) and hydrogen chloride gas.

11. Toxicology information

1. Information

<i>Acute Toxicity</i>	No data available.
<i>Skin corrosion/irritation</i>	May cause skin irritation.
<i>Serious eye Damage/irritation</i>	May cause eye irritation.
<i>Respiratory or skin sensitisation</i>	May cause respiratory irritation if inhaled.
<i>Germ Cell mutagenicity</i>	No data available.
<i>Carcinogenicity</i>	No data available.
<i>Reproductive toxicity</i>	No data available.
<i>STOT-single exposure</i>	No data available.
<i>STOT-repeated exposure</i>	No data available.
<i>Aspiration hazard</i>	May be harmful if inhaled.

2. Additional

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

12. Ecological Information

1. Toxicity

No data available.

2. Persistence and degradability

No data available.

3. Bio-Accumulative Potential

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No data available.

4. Mobility and Soil

No data available.

5. Results of PBT & vPvB assessment

No data available.

6. Other adverse effects

No data available.

13. Disposal Considerations

1. Waste Treatment Methods

Disposal Operations Dispose of according to current regulations and standards. Contact a licensed professional waste disposal service to dispose of this material.

Disposal of Packaging Dispose of as unused product.

14. Transport Information

Air (ICAO)

Not classified as hazardous for transport

Road (ADR)

Not classified as hazardous for transport

Sea (IMDG)

Not classified as hazardous for transport

15. Safety, health and environmental regulations

1. Safety, health and environmental regulations:

No data available.

2. Safety Assessment

No Chemical Safety Assessment

16. Other Information

1. Other Information:

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ADR: Accord Europeen sur le transport des marchandises Dangereuses par Route(European Agreement concerning the International Carriage of Dangerous Goods by road)
RID:Reglement International concernant le transport des marchandises dangereuses par chemin de fer (Regulations concerning the International transport of Dangerous Goods by Rail)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
IATA-DGR: Dangerous Goods Regulations by the International Air Transport Association
ICAO:International Civil Aviation Organization
ICAO-TI: Technical Instructions by the ICAO
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
CAS:Chemical Abstracts Service

2. Associated risk phrases according to european directive 67/548/EEC

R36/37	Irritating to eyes and respiratory system.
R36/37/38	Irritating to eyes, respiratory system and skin.
R36/38	Irritating to eyes and skin.
R37	Irritating to respiratory system.
R37/38	Irritating to respiratory system and skin.
R38	Irritating to skin.

3. Disclaimer

The product listed is for research and development purposes only and not for human or animal use. As such, in most cases, the toxicological, ecological and physicochemical properties have not been fully determined and the product should be treated with respect and always handled under suitable conditions by appropriately qualified personnel. The responsible party shall use this datasheet only in conjunction with other sources of information gathered by them, and should make an independent judgement of suitability, to ensure proper use and protect the health and safety of employees. This information is furnished without warranty and any use of the product not in conformance with this material safety data sheet, or in combination with any other product or process, is the responsibility of the user.

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