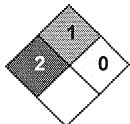


MATERIAL SAFETY DATA SHEET  
Tris-Glycine-SDS Buffer, 10X Conc.

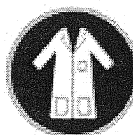
NPFA

HMIS

Personal Protective Equipment



HEALTH	2
FLAMMABILITY	1
REACTIVITY	0
PPE	C



In Case of Emergency: Call ChemTrac (24 hr): 800-424-9300, 703-527-3887 Call (330)425-2522

Tris-Glycine-SDS Buffer, 10X Conc.

MSDS0846

**1. Product Identification**

IDENTIFICATION OF THE  
SUBSTANCE/PREPARATION  
AND COMPANY

PRODUCT NAME:

Tris-Glycine-SDS Buffer,  
10X Solution (Ultrapure)

PRODUCT CODE: **CT8240-48**

**2. Composition/Information on Ingredients**

Item	CAS Number	Percent	Hazard?
Sodium Dodecyl Sulfate, Less than	151-21-3	10	No
Tris, Less than	77-86-1	10	No

**3. Hazards Identification**

CHIP  
Harmful  
HCS  
Irritant

**4. First Aid Measures**

EYES: Flush with water for 15 minutes. Seek medical advice if irritation persists.

SKIN: Flush with water, then wash thoroughly with soap and water. Remove contaminated clothing and wash before reuse. Seek medical attention if irritation persists.

INHALATION: Remove the victim from exposure and move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Keep victim quiet and warm. Seek immediate medical attention.

INGESTION: Drink water and seek immediate medical attention. Avoid alcoholic beverages. Never give anything by mouth to an unconscious person.

**5. Fire Fighting Measures**

Use media suitable to extinguish the supporting or surrounding fire. Wear NIOSH (or equivalent) approved self contained breathing apparatus. For small fires only: use carbon dioxide, dry powder or foam. Under certain conditions of combustion, may emit toxic fumes of sulfur dioxide, carbon monoxide and carbon dioxide.

Flash Point = 212°F (Closed Cup) for SDS.

**6. Accidental Release Measures**

Wear appropriate personal protective equipment and clothing including lab coat, safety goggles, gloves and NIOSH-approved respirator. Collect in a manner that does not create dust and place in a suitable waste container. Avoid contact of material with skin or eyes. Use adequate ventilation.

## 7. Handling and Storage

Wear appropriate personal protective equipment and clothing including lab coat, safety goggles, gloves and NIOSH-approved respirator. Avoid contact of material with skin or eyes. Use adequate ventilation. Store ambient away from oxidizing agents and mineral acids. Avoid heat or acidic conditions.

## 8. Exposure Controls/Personal Protection

Wear appropriate personal protective equipment and clothing including lab coat, safety goggles, gloves and NIOSH-approved respirator. A qualified industrial hygienist should evaluate the need for respiratory protection. Use respiratory protection approved by NIOSH (or equivalent) and appropriate to the hazard. Avoid contact of material with skin or eyes. Mechanical ventilation or local exhaust as needed to control exposure to dust, vapors or mists. Access to a safety shower and eye-wash.

## 9. Physical and Chemical Properties

Appearance: SDS in solution (May be precipitated)

Vapor Pressure: No data available

Solubility (Water): Soluble

Percent Volatile: No data available

Chemical formula: C<sub>12</sub>-H<sub>26</sub>-O<sub>4</sub>-S A Na

Boiling Point: No data available

Vapor Density: No data available

Specific Gravity: ~0.35 g/cm<sup>3</sup> (for SDS)

Evaporation Rate: No data available

## 10. Stability and Reactivity

Product is stable. Avoid heat or acidic conditions. Incompatible with oxidizing agents and mineral acids. When heated to decomposition may emit toxic fumes of sulfur dioxide, carbon monoxide and carbon dioxide. Hazardous polymerization will not occur.

## 11. Toxicological Information

EFFECTS OF OVEREXPOSURE:

EYES: Contact may cause severe irritation and possible temporary eye injury.

SKIN: Contact may cause irritation and/or allergic reactions. Chronic contact exposure may lead to drying, cracking, redness and dermatitis. May be harmful if absorbed through the skin.

INHALATION: May cause irritation to the upper respiratory tract. May be harmful if inhaled. Strong sensitizer.

Symptoms of exposure may include burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea and vomiting. May cause allergic respiratory reaction. Pulmonary sensitization resulting in hyperactive airway dysfunction and pulmonary allergy accompanied by fatigue, malaise, and aching.

Significant symptoms of exposure can persist for more than two years and can be activated by a variety of nonspecific environmental stimuli such as automobile exhaust, perfumes and passive smoking.

INGESTION: Chronic ingestion or excessive dosage may cause irritation of the mouth, throat, esophagus and gastrointestinal tract. May be harmful if ingested.

Target Organ(s): Lungs.

ADDITIONAL INFORMATION:

Reproductive effects, irritation, mutation and toxicity data listed in RTECS under WT1050000.

Oral Rat LD<sub>50</sub> = 1288 mg/kg (London, UK - 1967). Inhalation Rat LC<sub>50</sub> = >3900 mg/m<sup>3</sup>/1H. Toxic effects may include ataxia and gastrointestinal hypermotility, diarrhea.

Reproductive: Effects on embryos or fetuses include fetalotoxicity (except death, e.g. stunted fetuses) (1976).

Definition(s): RTECS = Registry of Toxic Effects of Chemical Substances.

## 12. Ecological Information

No information available.

## 13. Disposal Considerations

Dispose of material in accordance with applicable local, state, and federal regulations.

## 14. Transport Information

US DOT / IATA: No applicable information.

## 15. Regulatory Information

RCRA - No applicable information.

SARA 302 - No applicable information.

SARA 313 - No applicable information.

EPA TSCA Section 8(b) - Chemical Inventory.

Section 8(d) - unpublished health/safety studies.

Section 8(e) - Risk Notification, 8EHQ-0892-8800.

Exposure Limits - Not established.

California Proposition 65 - No applicable information.

**16. Other Information***Status: Reviewed**Reviewed By: PRP**Review Date: 3/21/2008*

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