

Safety Data Sheet (SDS)

Glycerol

I. Product And Company Identification:

Product name:

Product number:

CAS number: None

Manufacturer Supplier: GeneTex Inc

2456 Alton Pkwy,
Irvine, CA92606, USA
(1.877.436.3839) Toll-free TEL
949.309.2888 Fax
Or
GeneTex International Corp.
6F-2, No.89, Dongmei Rd., East Dist.
Hsinchu City 30070, Taiwan (R.O.C.)
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II. Hazard Identification:

Classification of The Substance Or Mixture: Glycerol (CAS# 56-81-5) is not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008. This substance is not classified as dangerous according to Directive 67/548/EEC.

Label Elements: The product does not need to be labelled in accordance with EC directives or respective national laws.

Other hazards: none

Pictogram: none

III. Composition/Information on Ingredients:

This product is composed of antibodies in aqueous buffer solution. According to 29 CFR

1910.1200(d), hazardous ingredients at less than <1% and carcinogens at less than < 0.1%

are considered non-hazardous. Any hazardous or carcinogenic ingredients exceeding these criteria are listed below.

This product may contain the following hazardous ingredients.

| Ingredient | CAS# | Percent |
|------------|---------|---------|
| Glycerol | 56-81-5 | < 30% |

IV. First Aid Measures:

Inhalation: If inhaled, remove to fresh air. If breathing is difficult, get medical attention.

Ingestion: If swallowed and person is conscious, rinse out mouth with water. Get medical attention.

Skin Exposure: In case of contact, wash skin with soap and water.

Eye Exposure: In case of contact with eyes, immediately flush eyes water for at least 15 minutes.

Get medical attention.

V. Fire Fighting Measures:

Flash Point: Data not available.

Autoignition Temperature: Data not available.

Fire Extinguishing Media: Water spray, dry chemical, foam, or carbon dioxide.

Firefighting: Wear protective clothing and self-contained breathing apparatus to prevent contact with skin and eyes.

VI. Accidental Release Measures:

Absorb liquid with an absorbent material. Transfer contaminated absorbent to a chemical waste container for disposal.

VII. Handling And Storage:

Precautions For Safe Handling: Avoid inhalation and contact with eyes and skin. Avoid prolonged or repeated exposure.

Conditions For Safe Storage: Store at -20°C in tightly closed container.

VIII. Exposure Controls/Personal:

Workplace Controls: Maintain adequate ventilation, eye wash and quick-drench facilities in work area.

Personal Protective Equipment:

Respiratory Protection: Respirator

Hand Protection: Chemical resistant gloves and chemical safety glasses

Eye Protection: Goggles or face shield

Skin And Body Protection: Lab coat

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IX. Physical And Chemical Properties:

Physical State: Colorless liquid.

Odor: Odorless.

Boiling Point: Data not available.

Melting Point: Data not available.

Volatile Organic Compound: Data not available.

Solubility in water: Readily miscible in water.

X. Stability and Reactivity:

Stability: Stable.

Hazardous Decomposition: May form carbon dioxide and carbon monoxide.

Conditions to avoid: Strong oxidizing agents

XI. Toxicological Information:

Acute Toxicity:

LD50 Oral - rat - 12.600 mg/kg

LD50 Dermal - rabbit - > 10.000 mg/kg

Skin Corrosion/Irritation:

Skin - rabbit

Result: Mild skin irritation - 24 h

Serious Eye Damage/Eye Irritation:

Eyes - rabbit

Result: Mild eye irritation - 24 h

May be toxic if absorbed through skin or ingested.

Additional Information:

RTECS: MA8050000

Prolonged or repeated exposure may cause:, Nausea, Headache, Vomiting

XII. Ecological Information:

Data not available.

XIII. Disposal Considerations:

Dispose of in accordance with federal, state and local

environmental regulations.

XIV. Transport Information:

D.O.T.: This substance is considered non-hazardous for transport.

IATA: This substance is considered non-hazardous for air transport.

XV. Regulatory Information:

EU Regulation/Classification/Labeling Information: Not available for this product.

Chemical Inventory Status:

SARA Listed Component: None.

TSCA Listed Component: None.

Canada (WHMIS): DSL No, NDSL No.

XVI. Other Information:

This compound is sold only for research use by personnel familiar with chemicals and who are well trained in good laboratory habits, such as avoiding spills, keeping hands clean at all times and not rubbing eyes with hands while working in the laboratory.

This solution is sold only in microliter quantities for use in life sciences research. No other use is intended, and any other use may involve substantive hazards.

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide for experienced personnel. GeneTex International Corp. shall not be held liable for any damage resulting from the handling of or from contact with the above product. The burden of safe use of this material rests entirely with the user.

Material Safety Data Sheet (MSDS)

Thimerosal ($\leq 0.01\%$)

I. Product And Company Identification:

Product name:

Product number:

Manufacturer Supplier: GeneTex Inc

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II. Hazard Identification:

Classification of The Substance Or Mixture According to
Regulation (EC) No 1272/2008 [EU-GHS/CLP]:

Acute toxicity, Inhalation (Category 2)

Acute toxicity, Dermal (Category 1)

Acute toxicity, Oral (Category 2)

Acute aquatic toxicity (Category 1)

Chronic aquatic toxicity (Category 1)

Label Elements According Regulation (EC) No 1272/2008
[CLP]:

Pictogram



Signal word Danger

Hazard statement(s)

H300 Fatal if swallowed.
H310 Fatal in contact with skin.
H330 Fatal if inhaled.
H373 May cause damage to organs through prolonged or repeated exposure.

H410 Very toxic to aquatic life with long lasting effects.
Precautionary statement(s)
P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
P264 Wash hands thoroughly after handling.
P273 Avoid release to the environment.
P280 Wear protective gloves/ protective clothing.
P284 Wear respiratory protection.
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

III. Composition/Information on Ingredients:

Chemical Name: Thimerosal

Chemical Concentration: $\leq 0.01\%$ (w/v)

Formula: $C_9H_9HgNaO_2S$

Molecular Weight: 404,81 g/mol

CAS Number: 54-64-8

EEC Number: 200-210-4

IV. First Aid Measures:

Inhalation: Remove to fresh air. If not breathing, give artificial respiration.

Ingestion: Wash out mouth thoroughly with water and give plenty of water to drink. Seek medical advice.

Skin Exposure: Immediately wash skin with soap and plenty of water. Seek medical advice. Remove contaminated clothing and wash before re-use.

Eye Exposure: In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.

V. Fire Fighting Measures:

Specific Hazards Arising from The Chemical: Carbon oxides, Sulphur oxides, Sodium oxides, Mercury/mercury oxides.

Firefighting: Wear protective clothing and self-contained breathing apparatus to prevent contact with skin and eyes.

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VI. Accidental Release Measures:

Wear appropriate protective clothing. Inform others to keep a safe distance. If local regulations permit, mop up cautiously with plenty of water and run to waste, diluting greatly with running water. Otherwise transfer to container and arrange removal by disposal company. Wash site of spillage thoroughly with water.

VII. Handling And Storage:

Precautions For Safe Handling: Under no circumstances eat, drink or smoke while handling this material. Wash hands thoroughly after working with this material.

Conditions For Safe Storage: Store at 4°C in the dark. Keep container closed and protected from direct sunlight and moisture.

VIII. Exposure Controls/Personal:

Workplace Controls: Maintain adequate ventilation, eye wash and quick-drench facilities in work area.

Personal Protective Equipment:

Respiratory Protection: Dust respirator

Hand Protection: Chemical resistant gloves and chemical safety glasses

Eye Protection: Goggles or face shield

Skin And Body Protection: Lab coat

IX. Physical And Chemical Properties:

Physical State: Liquid.

Odor: Odorless.

Melting Point: 234-237°C.

Vapour Pressure: no data available.

Solubility in Water: no data available.

X. Stability and Reactivity:

Stability: Light-sensitive.

Materials to Avoid: Avoid aluminum and reducing agents.

XI. Toxicological Information:

Acute Toxicity:

LD50 Oral - rat - 75 mg/kg

LD50 Subcutaneous - rat - 98 mg/kg

Respiratory or Skin Sensitization: Sensitization with allergic manifestations in predisposed persons.

Signs and Symptoms of Exposure: Long term exposure leads to disorders/damage of the nervous system. Danger of skin absorption.

XII. Ecological Information:

Marine and/or fresh water pollutant. Adverse ecological effects cannot be excluded in the event of improper handling or disposal.

XIII. Disposal Considerations:

Chemical residues are generally classified as special waste, and as much covered by regulations which vary according to location. Contact your local waste disposal authority for advice, or pass to a chemical disposal company. Rinse out empty containers thoroughly before disposal.

XIV. Transport Information:

UN-No: 2025

ADR/RID: 6.1,52'(b)

IMO: 6.1/2025

IMDG class: 6.1

IATA: 2025

Packaging group: III

XV. Regulatory Information:

No data available.

XVI. Other Information:

The information contained in this Material Safety Datasheet is believed to be accurate but it is the responsibility of the user or supplier to determine the applicability of these data to the formulation of necessary safety precautions.

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