

# 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.)  
886.3.6208988 TEL  
886.3.6208989 Fax  
www.genetex.com

### 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.

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### Sodium Azide ( $\leq 0.1\%$ )

#### I. Product And Company Identification:

Product name:

Product number:

Manufacturer Supplier: GeneTex Inc

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Irvine, CA92606, USA  
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www.genetex.com

#### II. Hazard Identification:

Classification of the Substance or Mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008

Label Elements

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008

Other hazards

None

#### III. Composition/Information on Ingredients:

Chemical Name: Sodium azide

Chemical Concentration:  $\leq 0.1\%$  (w/v)

CAS Number: 26628-22-8

EC Number: 247-852-1

#### IV. First Aid Measures:

**Inhalation:** If breathed in, move person into fresh air. If not breathing, give artificial respiration.

**Ingestion:** Never give anything by mouth to an unconscious person. Rinse mouth with water.

**Skin Exposure:** Wash off with soap and plenty of water.

**Eye Exposure:** Flush eyes with water as a precaution.

#### V. Fire Fighting Measures:

**Fire Extinguishing Media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Specific Hazards Arising from the Substance or Mixture:** No data available.

**Firefighting:** Wear self-contained breathing apparatus for firefighting if necessary.

#### VI. Accidental Release Measures:

**Personal precautions, protective equipment and emergency procedures:** For personal protection see section 8.

**Environmental precautions:** No special environmental precautions required.

**Methods and materials for containment and cleaning up:** Clean up promptly by sweeping or vacuum.

**Reference to other sections:** For disposal see section 13.

#### VII. Handling And Storage:

**Precautions for Safe Handling:** For precautions see section 2.2.

**Conditions for Safe Storage:** Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Recommended storage temperature 4 °C

#### VIII. Exposure Controls/Personal:

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

**Appropriate engineering controls**

General industrial hygiene practice.

**Personal Protective Equipment:**

**Eye/face protection:** Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin protection:** Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of

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EU Directive 89/686/EEC and the standard EN 374 derived from it.

**Body Protection:** The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Respiratory protection:** Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Control of environmental exposure:** No special environmental precautions required.

### IX. Physical And Chemical Properties:

**Appearance:** Colorless liquid.

**Odor:** Odorless.

**Upper/lower flammability or explosive limits:** Not available.

**Vapor pressure/density:** Not available.

**Relative Density:** Not available.

**pH:** Not available.

**Solubility in/Miscibility with Water:** Not available.

**Melting point/freezing point:** Not available.

**Partition coefficient: noctanol/water:** Not available

**Boiling point/Boiling range:** Not available.

**Auto igniting:** Product is not self-igniting.

**Flash point:** Not available.

**Decomposition temperature:** Not available.

**Evaporation rate:** Undetermined.

**Viscosity:** Not available.

**Flammability:** Not available

### X. Stability and Reactivity:

**Reactivity:** No data available

**Chemical stability:** Stable under recommended storage conditions.

**Possibility of hazardous reactions:** No data available

**Conditions to avoid:** No data available

**Incompatible materials:** Strong oxidizing agents

**Hazardous decomposition products:** Hazardous decomposition products formed under fire conditions. - Nature of decomposition products not known.

In the event of fire: see section 5

### XI. Toxicological Information:

**Acute toxicity:** No data available

**Skin corrosion/irritation:** No data available

**Serious eye damage/eye irritation:** No data available

**Respiratory or skin sensitization:** No data available

**Germ cell mutagenicity:** No data available

**Carcinogenicity**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**Reproductive toxicity:** No data available

**Specific target organ toxicity - single exposure:** No data available

**Specific target organ toxicity - repeated exposure:** No data available

**Aspiration hazard:** No data available

**Additional Information:** RTECS: Not available

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

### XII. Ecological Information:

**Toxicity:** No data available

**Persistence and degradability:** No data available

**Bioaccumulative potential:** No data available

**Mobility in soil:** No data available

**Results of PBT and vPvB assessment:** PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

**Other adverse effects:** No data available.

### XIII. Disposal Considerations:

**Waste treatment methods:** Offer surplus and non-recyclable solutions to a licensed disposal company.

**Contaminated packaging:** Dispose of as unused product.

### XIV. Transport Information:

**UN Number:** None

**DOT regulations:** Hazard class: None

**Land transport ADR/RID (cross-border):** Not regulated.

**Maritime transport IMDG:** Not regulated.

**Marine pollutant:** No

**Air transport ICAO-TI and IATA-DGR:** Not regulated.

**Transport/Additional information:** Not dangerous according to the above specifications.

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### XV. Regulatory Information:

**Safety, health and environmental regulations/legislation specific for the substance or mixture:** This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

**Chemical safety assessment:** For this product a chemical safety assessment was not carried out.

### 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.

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.