

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.

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