

Novocastra Laboratories Ltd

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Identification of the product

Catalogue code: N/A

Product name: Blocking reagents eg: Swine serum, Goat serum or Rabbit serum.

Component name: Thimerosal

Preparation: Aqueous solution, 0.01% (w/v)

Manufacturer / supplier identification

Company: **Novocastra Laboratories Ltd.**
Balliol Business Park West
Benton Lane
Newcastle upon Tyne
NE12 8EW, UK.

Telephone: 0191 215 0567

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2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterisation

Chemical name: Thimerosal

CAS number: 54-64-8

EEC-No: No data available.

3. HAZARDS IDENTIFICATION

Very toxic by inhalation, in contact with skin and if swallowed. Danger of cumulative effects.

4. FIRST AID MEASURES

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

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

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

Ingestion: Wash out mouth with water if conscious. Obtain medical advice immediately.

5. FIRE FIGHTING MEASURES

Special risks: May evolve toxic fumes.

Suitable extinguishing media: No data available.

6. ACCIDENTAL RELEASE MEASURES

Wear self-contained breathing apparatus and protective clothing to prevent skin and eye contact. Inform others to keep a safe distance. If local regulations permit, mop up 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 detergent and water.

7. HANDLING AND STORAGE

Storage: Store at 4°C in the dark.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

As appropriate to quantity handled.

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Respirator: Dust respirator.

Ventilation: Extraction hood.

Gloves: Rubber or plastic.

Eye protection: Goggles or face shield.

Other precautions: Plastic apron, sleeves, boots - if handling large quantities.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: Liquid

Colour: Colourless

Odour: None

Melting point: Not applicable.

Boiling temperature: No data available.

Density: No data available.

Vapour pressure: No data available.

Solubility in water: Fully miscible.

Flash point: No data available.

Explosion limits: No data available.

Ignition temperature: No data available.

10. STABILITY AND REACTIVITY

Light-sensitive. Avoid aluminium and reducing agents.

11. TOXICOLOGICAL INFORMATION

The following applies to organic mercury compounds in general: Long term exposure leads to disorders/damage of the nervous system. Danger of skin absorption. Sensitisation with allergic manifestations in predisposed persons. Pregnant women should not be exposed to the product. No evidence of carcinogenic properties. Evidence of reproductive effects.

Further data: LD50 75 mg/kg oral, rat.

12. ECOLOGICAL INFORMATION

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

13. DISPOSAL CONSIDERATIONS

Chemical residues are generally classified as special waste, and as such 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.

14. TRANSPORTATION INFORMATION

UN-No.: 2025

ADR/RID: 6.1,52'(b)

IMO: 6.1/2025

IMDG class: 6.1

IATA: 2025

Packaging group: III

Correct technical name: Mercury compounds

15. REGULATORY INFORMATION

Labelling according to EEC directives.

Symbol: T+ Very Toxic

R-phrases: R26/27/28-33

Very toxic by inhalation, in contact with skin and if swallowed. Danger of cumulative effects.

S-phrases: S28-13-36-2

After contact with skin, wash immediately with plenty of water. Keep away from food, drink and animal feeding stuffs.

Wear suitable protective clothing. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Keep out of reach of children.

EEC-No: No data available.

Local regulations: Classified as a Schedule 1 poison under UK poison rules.

16. OTHER INFORMATION

The information contained in this Material Safety Data Sheet is believed to be accurate but it is the responsibility of the user or supplier to determine the applicability of the data to the formulation of necessary safety precautions. Novocastra Laboratories Ltd. shall not be held responsible for any damage resulting from the use of the above product or the information contained in this Material Safety Data Sheet.