

MATERIAL SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006

1-5

1. Identification of the Substance/Preparation and of the Company/Undertaking**Identification of the product**Product: **THIMEROSAL USP/BP/EP****Use of the substance/preparation**

As a preservative in pharmaceutical preparations.

Manufacturer/Supplier identification

Company: GIHON Laboratorios Químicos SRL.; Mar del Plata, ARGENTINA.

Contact details: Telefax: (+54-223) 464-2567

Emergency telephone N°: (+54-223) 464-3610 / 464-0369

E-Mail: contact@gihonlab.com / QA@gihonlab.com**2. Composition/Information on ingredients**

Ingredient: THIMEROSAL (2-[(ethylmercury)thio]benzoic acid, sodium salt)	Composition: 100%
CAS-N°: [54-64-8]	EC-Index-N° : 080-004-00-7
Molar mass: 404.81	EINECS-N°: 200-210-4
Molecular formula: C ₉ H ₉ HgNaO ₂ S	

3. Hazards Identification

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

Hazard pictograms

**4. First Aid Measures**

After inhalation: fresh air. Apply mouth to mouth resuscitation or mechanical ventilation if necessary.

Summon doctor.

After skin contact: wash off with plenty of water. Dab with polyethylene glycol 400. Immediately remove contaminated clothing.

After eye contact: rinse out with plenty of water for at least 10 minutes with the eyelid held wide open.

Immediately summon eye specialist.

If swallowed: make the victim drink plenty of water, induce vomiting. Immediately summon doctor.

5. Fire-Fighting Measures**Suitable extinguishing media:**Powder, water, CO₂.**Special risks:**

Possible development of hazardous Hg vapours in the event of fire.

6. Accidental release measures**Procedures for cleaning/absorption:**

Clean up spills immediately. Sweep up or absorb material, then place in a suitable container for disposal. Avoid generation of dusts.

Administration & Plant:Calle 4 y 5, Parque Industrial General Savio
(B7601) Batán | Mar del Plata | Argentina**Commercial Department:**info@gihonlab.com | contact@gihonlab.com
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2-5

7. Handling and Storage**Handling:**

No further requirements.

Storage:

Tightly closed. Protected from light. Dry. Accessible only for authorised persons.

8. Exposure Controls/Personal Protection**Specific control parameter**

MAK Germany (max. workplace conc.) mercury, organic compounds:
0.01 mg/m³ inhalable dust; risk of skin absorption; risk of sensitisation.

Personal protective equipment

Respiratory protection: required
Eye protection: required
Hand protection: required

Industrial hygiene:

Immediately change contaminated clothing. Apply skin-protective barrier cream. Wash hands and face after working with substance. Under no circumstances eat or drink at workplace. Work under hood. Do not inhale substance. Avoid dust development.

9. Physical and Chemical Properties

Form: fine powder, crystalline
Colour: white
Odour: characteristic

pH value at 10 g/l H ₂ O	(20°C)	6.7-8.2
Melting temperature		232°C - 233°C (dec)
Boiling temperature		not available
Ignition temperature		not available
Flash point		not available
Explosion limits	lower upper	not available not available
Density		not available
Bulk density		500 kg/m ³
Solubility in water	(20°C)	1000 g/l
ethanol	(20°C)	125 g/

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3-5

10. Stability and Reactivity

Conditions to be avoided:	no information available
Substances to be avoided:	aluminium and reducing agents
Hazardous decomposition products:	no information available

11. Toxicological Information

Acute toxicity:LD₅₀ (oral, rat): 75 mg/kg**Further toxicological information:**

Quantitative data on the toxicity of this product are not available. 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.

Further hazardous properties cannot be excluded.

Further data:

The product should be handled with the usual care applied when dealing with chemicals.

12. Ecological information

Do not allow to enter in contact with drinking water supplies, waste water or soil!

13. Disposal Considerations

Product:

There are no uniform EC regulations for the disposal of chemicals or residues. Chemical residues generally count as special waste. The disposal of the latter is regulated in the EC member countries through corresponding laws and regulations, and in the Federal Republic of Germany also by the individual Federal States. We recommend you contacting either the authorities in charge or approved waste disposal companies, which will advise you on how to dispose of special waste.

Packaging:

Disposal in compliance with official regulations. Handle contaminated packaging in the same way as the substance itself. If not officially specified differently, non-contaminated packaging may be treated like household waste or recycled.

14. Transport Information

Land transport ADR/RID and GGVS/GGVE:

GGVS/GGVE class:	6.1	Packaging group: II
ADR/RID class:	6.1	Packaging group: II

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4-5

Name of material: 2025 QUECKSILBERVERBINDUNG, FEST, N.A.G. (THIMEROSAL)

River transport ADN/ADNR: not examined**Sea transport IMDG:**

IMDG class:	6.1	UN-Nº: 2025	Packaging group: II
Ems:		F-A, S-A	
Correct technical name:		MERCURY COMPOUND, SOLID, N.O.S. (THIMEROSAL) MARINE POLLUTANT	

Air transport ICAO-TI and IATA-DGR:

ICAO/IATA class	6.1	UN/ID-Nº: 2025	Packaging group: II
Correct technical name:		MERCURY COMPOUND, SOLID, N.O.S.	

The transport regulations are quoted according to international regulations and in the form applicable in Germany (GGVS/GGVE). Possible national deviations in other countries are not considered.

15.Regulatory Information**Labelling according to EC Directives:**

Symbol:	T+	N
Name:	Very Toxic	Dangerous for the Environment
R-phrases:	26/27/28-33	Very toxic by inhalation, in contact with skin and if swallowed. Danger of cumulative effects.
S-phrases:	2-13-28-36-45	Keep out of reach of children. Keep away from food, drink and animal feeding stuffs. After contact with skin, wash immediately with plenty of water. Wear suitable protective clothing. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
EEC-Nº	200-210-4	EEC label

German regulations:

Water pollution class 3

Data sheet of the Chemical Professional Association M050 Dealing with harmful substances
M024 Mercury and its compounds

16.Other information**Reasons for alteration:** General update

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Date of Review: 18-04-2016

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The information contained herein is based on the present state of our knowledge. It characterises the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

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