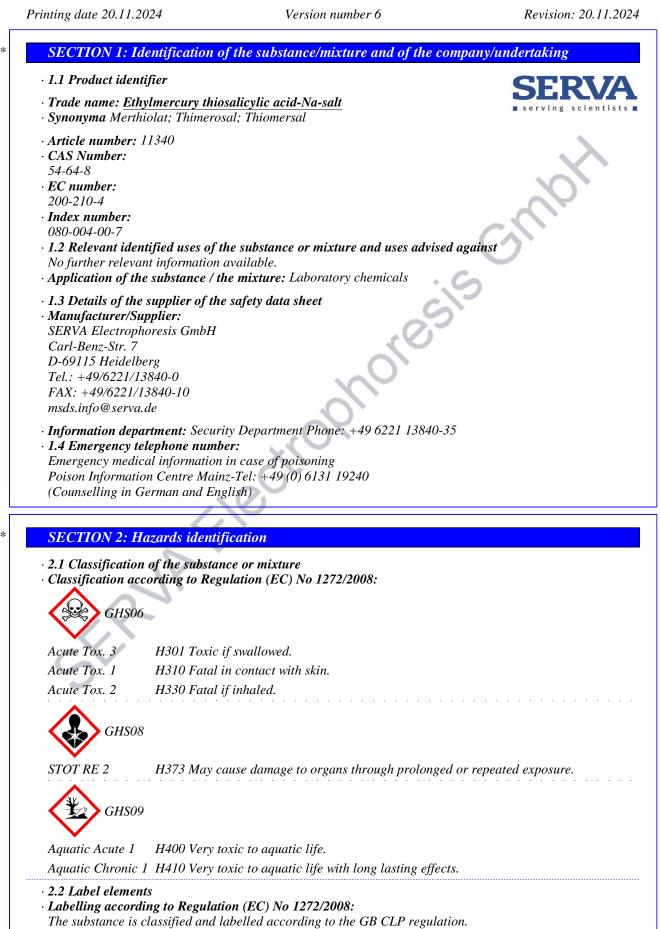
Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31



(Contd. on page 2)

GB

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Revision: 20.11.2024 Printing date 20.11.2024 Version number 6 Trade name: Ethylmercury thiosalicylic acid-Na-salt (Contd. of page 1) · Hazard pictograms: GHS06, GHS08, GHS09 Signal word: Danger · Hazard statements: H301 Toxic if swallowed. H310+H330 Fatal in contact with skin or if inhaled. H373 May cause damage to organs through prolonged or repeated exposure. H410 Very toxic to aquatic life with long lasting effects. · Precautionary statements P273 Avoid release to the environment. P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor. P302+P352 IF ON SKIN: Wash with plenty of soap and water. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P314 Get medical advice/attention if you feel unwell. · Labelling of packages where the contents do not exceed 125 ml · Hazard pictograms GHS06, GHS08, GHS09 · Signal word Danger · Hazard statements H301 Toxic if swallowed. H310+H330 Fatal in contact with skin or if inhaled. · Precautionary statements Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. P280 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor. P302+P352 IF ON SKIN: Wash with plenty of soap and water. P314 Get medical advice/attention if you feel unwell. · 2.3 Other hazards · Results of PBT and vPvB assessment: • **PBT:** Concentration of substances classified as PBT: < 0,1% • vPvB: concentration of substances classified as vPvB: < 0,1% · Determination of endocrine-disrupting properties No further relevant information available.

SECTION 3: Composition/information on ingredients

- · 3.1 Substances
- · CAS No. Description:
- 54-64-8 Thiomersal
- · Identification number(s):
- EC number: 200-210-4
- Index number: 080-004-00-7
- · Description:
- · Empirical formula: C₉H₉Hg O₂S Na
- **MW:** 404.8

SECTION 4: First aid measures

· 4.1 Description of first aid measures

• General information:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

Remove contaminated clothing.

- Seek medical treatment.
- After inhalation:

Supply fresh air and to be sure call for a doctor.

Do not use mouth to mouth or mouth to nose resuscitation.

• After skin contact:

Wash off immediately with plenty of soap and water; rinse thoroughly; seek medical attention.

Printing date 20.11.2024

Version number 6

Revision: 20.11.2024

(Contd. of page 2)

Trade name: Ethylmercury thiosalicylic acid-Na-salt

· After eye contact:

Rinse opened eye for several minutes with running water. Remove contact lenses if possible and continue rinsing. Consult an ophthalmologist immediately.

- · After swallowing: Rinse out mouth. Call a doctor immediately.
- \cdot 4.2 Most important symptoms and effects, both acute and delayed
- No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed** No further relevant information available.

SECTION 5: Firefighting measures

- 5.1 Extinguishing media
- · Suitable extinguishing agents:
- CO_2 , extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. • 5.2 Special hazards arising from the substance or mixture:
- In case of fire, formation of dangerous fire gases or vapours possible.
- In case of fire, the following can be formed, but not limited to:
- Sulphur oxides (SOx)
- Mercury vapours
- Carbon monoxide and carbon dioxide
- 5.3 Advice for firefighters
- · Protective equipment: Wear self-contained breathing apparatus.
- · Additional information

Collect contaminated fire fighting water separately. It must not enter the sewage system.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Wear protective clothing. Ensure adequate ventilation Avoid formation of dust. Avoid contact with eyes and skin.
6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.

· 6.3 Methods and material for containment and cleaning up

Dispose contaminated material as waste according to section 13. Pick up mechanically. • 6.4 Reference to other sections

See Section 7 for information on safe handling See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

SECTION 7: Handling and storage

• 7.1 Precautions for safe handling: Ensure good ventilation/exhaustion at the workplace. Open and handle receptacle with care. Prevent formation of dust.

· Information about protection against explosions and fires: Keep ignition sources away - Do not smoke.

· 7.2 Conditions for safe storage, including any incompatibilities

· Storage

• *Requirements to be met by storerooms and receptacles:* Store only in the original receptacle.

· Information about storage in one common storage facility: Store away from oxidising agents.

• Further information about storage conditions: Store under lock and key and with access restricted to technical experts or their assistants only.

(Contd. on page 4)

GB

Revision: 20.11.2024 Printing date 20.11.2024 Version number 6 Trade name: Ethylmercury thiosalicylic acid-Na-salt (Contd. of page 3) Store receptacle in a well ventilated area. Protect from exposure to the light. Store containers tightly closed and dry. • 7.3 Specific end use(s): No further relevant information available. SECTION 8: Exposure controls/personal protection · 8.1 Control parameters · Components with limit values that require monitoring at the workplace: Not required. • Additional information: The lists that were valid during the creation were used as basis. · 8.2 Exposure controls • Appropriate engineering controls: No further data; see section 7. · Individual protection measures, such as personal protective equipment: • General protective and hygienic measures: Use skin protection cream for skin protection. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing Store protective clothing separately. Avoid contact with the eyes and skin. Wash hands before breaks and at the end of work. · Breathing equipment: Short term filter device: Hg-P3 • Hand protection: The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation · Material of gloves: The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. · Penetration time of glove material: The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed. For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable: Nitrile rubber, NBR Chloroprene rubber, CR · Eye/face protection: Safety glasses · Body protection: Protective work clothing. SECTION 9: Physical and chemical properties

• 9.1 Information on basic physical and chemic • General Information:	cal properties	
· Physical state:	Solid.	
· Colour:	white or almost white	
· Odour:	Recognisable	
· Odour threshold:	not determined.	
• Melting point/freezing point:	234 °C (decomposition)	
· Boiling point or initial boiling point and boili	ing	
range:	not applicable (decomposition)	
· Flammability:	No information available	
		(Contd. on page 5

Printing date 20.11.2024

Version number 6

Revision: 20.11.2024

Trade name: Ethylmercury thiosalicylic acid-Na-salt

	(Contd. of page
Lower and upper explosion limit:	
Lower:	No information available
Upper:	No information available
Flash point:	No information available
Decomposition temperature:	234 °C
pH:	6-8
Viscosity:	
Kinematic viscosity:	No information available
Dynamic viscosity:	No information available
Solubility:	
Water:	Soluble
Partition coefficient n-octanol/water (log value):	No information available
Vapour pressure:	No information available
Density and/or relative density:	·
Density:	No information available
Relative density:	No information available
Particle characteristics	No information available
9.2 Other information	Further physico-chemical data are not available.
Appearance:	
Form:	Crystalline powder
Important information on protection of health and environment, and on safety:	d
Explosive properties:	The product is not explosive, but the formation of explosive dust/air mixtures is possible.
Molecular weight	404.81 g/mol

SECTION 10: Stability and reactivity

- 10.1 Reactivity: No further relevant information available.
- · 10.2 Chemical stability:
- · Thermal decomposition / conditions to be avoided:
- No decomposition if used and stored according to specifications.
- 10.3 Possibility of hazardous reactions: No further relevant information available.
- 10.4 Conditions to avoid: High temperatures
- Exposure to light
- 10.5 Incompatible materials: strong oxidants, strong acids and bases, aluminium, reducing agents
- 10.6 Hazardous decomposition products: In case of fire: see section 5

SECTION 11: Toxicological information

- · 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:
- Acute toxicity:
- Toxic if swallowed.
- Fatal in contact with skin or if inhaled.

· LD/LC50 values that are relevant for classification:

- Oral LD50 75 mg/kg (rat)
- · Skin corrosion/irritation: Based on available data, the classification criteria are not met.
- · Serious eye damage/irritation: Based on available data, the classification criteria are not met.
- · Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.
- · Germ cell mutagenicity: Based on available data, the classification criteria are not met.
- · Carcinogenicity: Based on available data, the classification criteria are not met.
- Reproductive toxicity: Based on available data, the classification criteria are not met.
- STOT-single exposure: Based on available data, the classification criteria are not met.

(Contd. on page 6)

⁻ GB

Printing date 20.11.2024

Version number 6

Revision: 20.11.2024

(Contd. of page 5)

Trade name: Ethylmercury thiosalicylic acid-Na-salt

- STOT-repeated exposure: May cause damage to organs through prolonged or repeated exposure.
- · Aspiration hazard: Based on available data, the classification criteria are not met.
- · 11.2 Information on other hazards:
- · Endocrine disrupting properties: No relevant information available

SECTION 12: Ecological information

- · 12.1 Toxicity:
- Aquatic toxicity: No further relevant information available.
- · 12.2 Persistence and degradability: No further relevant information available.
- \cdot 12.3 Bioaccumulative potential: No further relevant information available.
- 12.4 Mobility in soil: No further relevant information available.
- 12.5 Results of PBT and vPvB assessment:
- **PBT:** Concentration of substances classified as PBT: < 0,1%
- vPvB: Concentration of substances classified as vPvB: < 0.1%
- 12.6 Endocrine disrupting properties: For information on endocrine disrupting properties see section 11.
- · 12.7 Other adverse effects:
- · Additional ecological information:
- · General notes:
- Very toxic for aquatic organisms

Water danger class 3 (German Regulation) (Assessment by list): extremely hazardous for water.

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

· Recommendation

Dispose of in accordance with official regulations.

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- · Uncleaned packagings:
- · Recommendation:

Uncleaned packaging must be disposed of in the same way as the product in accordance with official regulations.

• Recommended cleansing agent: Water, if necessary with cleansing agents.

· 14.1 UN number or ID number · ADR, IMDG, IATA	UN2025
· 14.2 UN proper shipping name	
· ADR	2025 MERCURY COMPOUND, SOLID, N.O.S (Thiomersal), ENVIRONMENTALLY HAZARDOUS
·IMDG	MERCURY COMPOUND, SOLID, N.O.S. (Thiomersal
	MARINE POLLUTANT
·IATA	MERCURY COMPOUND, SOLID, N.O.S. (Thiomersal
· 14.3 Transport hazard class(es)	
· ADR, IMDG	
· Class:	6.1 Toxic substances.

Printing date 20.11.2024

Version number 6

Revision: 20.11.2024

Trade name: Ethylmercury thiosalicylic acid-Na-salt

	(Contd. of page
Label:	6.1
· IATA	
- Class	6.1 Toxic substances.
· Label	6.1
· 14.4 Packing group · ADR, IMDG, IATA	II
· 14.5 Environmental hazards · Marine pollutant: · Special marking (ADR):	Environmentally hazardous substance, solid; Marin Pollutant Symbol (fish and tree) Symbol (fish and tree)
 14.6 Special precautions for user Hazard identification number (Kemler code): EMS Number: Segregation groups 	Warning: Toxic substances. 60 F-A,S-A (SGG7) Heavy metals and their salts (including the organometallic compounds), (SGG11) mercury an mercury compounds
· Stowage Category	A
14.7 Maritime transport in bulk according to IM instruments	10 Not applicable.
• Transport/Additional information:	
· ADR · Limited quantities (LQ) · Excepted quantities (EQ) · Transport category	500 g Code: E4 Maximum net quantity per inner packaging: 1 g Maximum net quantity per outer packaging: 500 g 2
• Tunnel restriction code	D/E
· IMDG · Limited quantities (LQ) · Excepted quantities (EQ)	500 g Code: E4 Maximum net quantity per inner packaging: 1 g Maximum net quantity per outer packaging: 500 g
· UN "Model Regulation":	UN 2025 MERCURY COMPOUND, SOLID, N.O (THIOMERSAL), 6.1, II, ENVIRONMENTALL HAZARDOUS

*

SECTION 15: Regulatory information

· 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

· Poisons Act

· Regulated explosives precursors Substance is not listed.

· Regulated poisons Listed

- Reportable explosives precursors Substance is not listed.
- Reportable poisons Substance is not listed.

· Directive 2012/18/EU

· Named dangerous substances - ANNEX I Substance is not listed.

(Contd. on page 8)

Printing date 20.11.2024

Version number 6

Revision: 20.11.2024

Trade name: Ethylmercury thiosalicylic acid-Na-salt

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Seveso 6	
	ITE TOXIC
E1 Haz	urdous to the Aquatic Environment
	ng quantity (tonnes) for the application of lower-tier requirements 5 t
	ng quantity (tonnes) for the application of upper-tier requirements 20 t
	ATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 18
	on (EU) No 649/2012
Annex I	
Annex I	
Annex V	
	TWE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical of
	ic equipment – Annex II
	e is not listed.
	ATION (EU) 2019/1148
	- RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licens
	ticle 5(3)
	e is not listed.
	I - REPORTABLE EXPLOSIVES PRECURSORS Substance is not listed.
	on (EC) No 273/2004 on drug precursors Substance is not listed.
	on (EC) No 213/2004 on any precursors substance is not fisted. on (EC) No 111/2005 laying down rules for the monitoring of trade between the Community (
	intries in drug precursors
Substan	e is not listed.
Nationa	regulations:
Technic	al instructions (air):
Class	Share in %
	80-100
Ι	80-100
L	
Water h	uzard class: Water danger class 3 (Assessment by list): extremely hazardous for water.
Water h	
Water h	uzard class: Water danger class 3 (Assessment by list): extremely hazardous for water.
Water h 15.2 Ch	uzard class: Water danger class 3 (Assessment by list): extremely hazardous for water.
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ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

- EINECS: European Inventory of Existing Commercial Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

- vPvB: very Persistent and very Bioaccumulative Acute Tox. 3: Acute toxicity – Category 3
- Acute Tox. 1: Acute toxicity Category 1 Acute Tox. 2: Acute toxicity Category 2
- STOT RE 2: Specific target organ toxicity (repeated exposure) Category 2

(Contd. on page 9)

Printing date 20.11.2024

Version number 6

Revision: 20.11.2024

Trade name: Ethylmercury thiosalicylic acid-Na-salt

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1 Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1 (Contd. of page 8)

GB