



According to Regulation (EC) No. 1907/2006

GENERIC EU MSDS - NO COUNTRY SPECIFIC DATA - NO OEL DATA

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifiers**Product name : Thimerosal  
Thimerosal

Product Number :

Brand : SRIRAMCHEM

REACH No. : A registration number is not available for this substance as the substance or its uses are exempted from registration, The annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

CAS-No. : 54-64-8

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

Identified uses : For analytical reference material or R&amp;D use only excluding preservative intent.

**1.3 Details of the supplier of the safety data sheet**Company : SRIRAMCHEM Laboratories Pvt. Ltd.  
Plot No 31, JCK Industrial Park, Belagola Industrial Area  
Mysore 570016- INDIA  
M: +91 821 4255588**1.4 Emergency telephone**

Emergency Phone # : +91 8073124313

**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008**

Acute toxicity, Oral (Category 2), H300

Acute toxicity, Inhalation (Category 2), H330

Acute toxicity, Dermal (Category 1), H310

Specific target organ toxicity - repeated exposure (Category 2), H373

Short-term (acute) aquatic hazard (Category 1), H400

Long-term (chronic) aquatic hazard (Category 1), H410

For the full text of the H-Statements mentioned in this Section, see Section 16.

**2.2 Label elements**

Labelling according Regulation (EC) No 1272/2008

Hazard statement(s)

H300 + H310 + H330

Fatal if swallowed, 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 statement(s)

P262 Do not get in eyes, on skin, or on clothing.

P264 Wash skin thoroughly after handling.

P273 Avoid release to the environment.

P280 Wear protective gloves/ protective clothing.

P302 + P352 + P310 IF ON SKIN: Wash with plenty of water. Immediately call a  
POISON CENTER/ doctor.P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable  
for breathing. Immediately call a POISON CENTER/ doctor.

Supplemental Hazard none

Statements

Reduced Labeling (&lt;= 125 ml)

Hazard statement(s)

H300 + H310 + H330 Fatal if swallowed, in contact with skin or if inhaled.

Precautionary statement(s)

P262 Do not get in eyes, on skin, or on clothing.

P264 Wash skin thoroughly after handling.

P280 Wear protective gloves/ protective clothing.

P302 + P352 + P310 IF ON SKIN: Wash with plenty of water. Immediately call a  
POISON CENTER/ doctor.P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable  
for breathing. Immediately call a POISON CENTER/ doctor.

Supplemental Hazard none





## Statements

**2.3 Other hazards - none**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**SECTION 3: Composition/information on ingredients****3.1 Substances**

Synonyms	: Thiomersal
Formula	: C9H9HgO2S.Na
M. W.	: 404,81 g/mol
CAS-No.	: 54-64-8
EC-No.	: 200-210-4
Index-No.	: 080-004-00-7

Component	Classification	Concentration
Thimerosal		
CAS-No. 54-64-8 EC-No. 200-210-4 Index-No. 080-004-00-7	Acute Tox. 2; Acute Tox. 1; STOT RE 2; Aquatic Acute 1; Aquatic Chronic 1; H300, H330, H310,H373, H400, H410 Concentration limits: >= 0,1 %: STOT RE 2, H373; M-Factor - Aquatic Acute: 10	<= 100 %

For the full text of the H-Statements mentioned in this Section, see Section 16.

**SECTION 4: First aid measures****4.1 Description of first-aid measures****General advice**

First aiders need to protect themselves. Show this material safety data sheet to the doctor in attendance.

**If inhaled**

After inhalation: fresh air. Immediately call in physician. If breathing stops: immediately apply artificial respiration, if necessary also oxygen.

**In case of skin contact**

Take off immediately all contaminated clothing. Rinse skin with water/ shower. Call a physician immediately.

**In case of eye contact**

After eye contact: rinse out with plenty of water. Call in ophthalmologist. Remove contact lenses.

**If swallowed**

If swallowed: give water to drink (two glasses at most). Seek medical advice immediately.

In exceptional cases only, if medical care is not available within one hour, induce vomiting (only in persons who are wide awake and fully conscious), administer activated charcoal (20 - 40 g in a 10% slurry) and consult a doctor as quickly as possible.

**4.2 Most important symptoms and effects, both acute and delayed**

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

**4.3 Indication of any immediate medical attention and special treatment needed**

No data available

**SECTION 5: Firefighting measures****5.1 Extinguishing media**

**Suitable extinguishing media**

Water Foam Carbon dioxide (CO2) Dry powder

**Unsuitable extinguishing media**

For this substance/mixture no limitations of extinguishing agents are given.

**5.2 Special hazards arising from the substance or mixture**

Carbon oxides

Sulfur oxides

Sodium oxides

Combustible.

Development of hazardous combustion gases or vapours possible in the event of fire.

**5.3 Advice for firefighters**

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing

**5.4 Further information**

Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

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**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Advice for non-emergency personnel: Avoid generation and inhalation of dusts in all circumstances. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8.

**6.2 Environmental precautions**

Do not let product enter drains.

**6.3 Methods and materials for containment and cleaning up**

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up carefully. Dispose of properly. Clean up affected area.

Avoid generation of dusts

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

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**SECTION 7: Handling and storage****7.1 Precautions for safe handling****Advice on protection against fire and explosion**

Work under hood. Do not inhale substance/mixture.

Hygiene measures

Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance.

For precautions see section 2.2

**7.2 Conditions for safe storage, including any incompatibilities****Storage conditions**

Tightly closed. Dry. Keep in a well-ventilated place. Keep locked up or in an area accessible only to qualified or authorized persons.

**Storage stability**

**Storage class (TRGS 510): 6.1A: Combustible, acute toxic Cat. 1 and 2 / very toxic hazardous materials**

**7.3 Specific end use(s)**

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

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**SECTION 8: Exposure controls/personal protection****8.1 Control parameters**

Ingredients with workplace control parameters

**8.2 Exposure controls**

**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).  
Safety glasses

**Skin protection**

This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: www.kcl.de).

Full contact

Material: Nitrile rubber

Minimum layer thickness: 0,11 mm

Break through time: 480 min

Material tested:KCL 741 Dermatril® L

**Body Protection**

protective clothing

**Respiratory protection**

required when dusts are generated.

Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system.

Recommended Filter type: Filter type P3

**Control of environmental exposure** Do not let product enter drains

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

a)	Physical state	Powder
b)	Color	beige
c)	Odor	No data available
d)	Melting point/freezing point	234 °C - Decomposes on heating
e)	Initial boiling point and boiling range	No data available
f)	Flammability (solid, gas)	No data available
g)	Upper/lower flammability or explosive limits	No data available
h)	Flash point	No data available
i)	Autoignition temperature	No data available
j)	Decomposition temperature	No data available
k)	pH	ca.6,7 at 10 g/l at 20 °C
l)	Viscosity	Viscosity, kinematic: No data available Viscosity, dynamic: No data available
m)	Water solubility	1.000 g/l at 20 °C
n)	Partition coefficient: n-octanol/water	No data available
	Vapor pressure	No data available
o)	Relative density	No data available
p)	Relative vapour density	No data available
q)	Particle characteristics	NA
r)	Explosive properties	NA
s)	Oxidizing properties	None

**9.2 Other safety information**

Solubility in other solvents

Ethanol at 20 °C- soluble

**SECTION 10: Stability and reactivity**

**10.1 Reactivity**

The following applies in general to flammable organic substances and mixtures: in correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed.

**10.2 Chemical stability**

The product is chemically stable under standard ambient conditions (room temperature)

**10.3 Possibility of hazardous reactions**

Violent reactions possible with:

Strong oxidizing agents

Strong acids

Bases

Aluminum

Reducing agents

**10.4 Conditions to avoid** No data available**10.5 Incompatible materials** No data available**10.6 Hazardous decomposition products**

In the event of fire: see section 5

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**SECTION 11: Toxicological information****11.1 Information on toxicological effects****Acute toxicity**

Acute toxicity estimate Oral - 5,1 mg/kg

(Expert judgment)

Acute toxicity estimate Inhalation - 4 h - 0,051 mg/l - dust/mist

(Expert judgment)

Acute toxicity estimate Dermal - 5,1 mg/kg

(Expert judgment)

**Skin corrosion/irritation** No data available

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

**Respiratory or skin sensitization** No data available

**Germ cell mutagenicity**

Test Type: Ames test

Test system: Salmonella typhimurium

Result: negative

Remarks: (National Toxicology Program)

**Carcinogenicity** No data available

**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

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**SECTION 12: Ecological information**

**12.1 Toxicity** No data available

**12.2 Persistence and degradability** No data available

**12.3 Bioaccumulative potential** No data available

**12.4 Mobility in soil** No data available



**12.5 Results of PBT and vPvB assessment**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at Levels of 0.1% or higher.

**12.6 Endocrine disrupting properties**

Product:

Assessment: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher

**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Product**

See [www.retrologistik.com](http://www.retrologistik.com) for processes regarding the return of chemicals and containers, or contact us there if you have further questions.

**SECTION 14: Transport information 14.1 UN number**

ADR/RID: - IMDG: - IATA:

**14.2 UN proper shipping name**

ADR/RID : SOLID, N.O.S. (Thimerosal)

IMDG: SOLID, N.O.S. (Thimerosal)

IATA: Solid, n.o.s. (Thimerosal)

**14.3 Transport hazard class(es)**

ADR/RID: - IMDG: - IATA:

**14.4 Packaging group**

ADR/RID: - IMDG: - IATA:

**14.5 Environmental hazards**

ADR/RID: yes IMDG Marine pollutant: yes IATA: no

**14.6 Special precautions for user**

Tunnel restriction code: (E)

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

Authorisations and/or restrictions on use : Thimerosal  
REACH - Restrictions on the manufacture, Placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII)

**15.2 Chemical Safety Assessment**

For this product a chemical safety assessment was not carried out

**SECTION 16: Other information**

Full text of H-Statements referred to under sections 2 and 3.

H300 Fatal if swallowed.

H300 + H310 + Fatal if swallowed, in contact with skin or if inhaled.

H330

H310 Fatal in contact with skin.

H330 Fatal if inhaled.

H373 Fatal if swallowed, in contact with skin or if inhaled.

