

### SECTION-1: Identification of the substance / mixture and the company / undertaking

<b>Catalogue Number</b>	CS-T-81838
<b>Product Name</b>	Mercury(II) Sulfate
<b>CAS No.</b>	7783-35-9
<b>Category</b>	Intermediate
<b>Synonyms</b>	Not available
<b>Brand</b>	Clearsynth Labs Ltd.
<b>Identified uses</b>	Laboratory Chemicals
<b>Uses advised against</b>	Not available
<b>Company</b>	Clearsynth Labs Ltd. Mumbai, India
<b>Emergency Phone #</b>	+91-22-245045900
<b>REACH No.</b>	Not available

### SECTION 2: Hazards identification

**Disclaimer:** This is sample MSDS. Please email [sales@clearsynth.com](mailto:sales@clearsynth.com) for more details.

#### 2.1 Classification of the substance or mixture-Regulation (EC) No 1272/2008:

Not available

#### 2.2 Label Elements

**Signal Word:** Warning



#### Hazard Statement(s)

Code	Statement
H300+H310+H330	Not available
H300	Not available
H310	Not available
H330	Not available

H373	Not available
H400	Not available
H410	Not available
H301	Not available
H311	Not available
H317	May cause an allergic skin reaction.
H370	Not available
H372	Not available
H341	Not available

**Precautionary Statement(s)**

Code	Statement
P260	Not available
P262	Not available
P264	Wash hands thoroughly after handling.
P270	Not available
P271	Use only outdoors or in a well-ventilated area.
P273	Not available
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P284	Not available
P301+P316	Not available
P302+P352	IF ON SKIN: Wash with plenty of water and soap.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P316	Not available
P319	Get medical help if you feel unwell.
P320	Not available
P321	Specific treatment (see ... on this label).
P330	Not available
P361+P364	Not available
P391	Not available

P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulation
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P272	Not available
P308+P316	Not available
P333+P317	Not available
P362+P364	Take off contaminated clothing and wash it before reuse.
P203	Not available
P318	Not available

### SECTION 3: Composition / information on ingredients

#### 3.1 Substance

Component : Mercury(II) Sulfate

CAS Number : 7783-35-9

Molecular Formula : -

Molecular Weight : -

Parent Chemical : -

Synonyms : Not available

Concentration : Not available

### SECTION 4: First aid measures

#### SECTION 4: First-aid measures

##### 4.1 Description of first aid measures

General advice:

- Seek medical attention immediately for all exposures. Show this SDS to the physician.
- Remove contaminated clothing and shoes. Wash contaminated clothing before reuse.

Inhalation:

- Move person to fresh air. Keep at rest in a position comfortable for breathing.
- If breathing is difficult, trained personnel should administer oxygen.
- If not breathing, give artificial respiration by trained personnel.
- Get immediate medical attention.

Skin contact:

- Wash immediately with plenty of water and soap for at least 15 minutes.
- Get immediate medical attention.

Eye contact:

- Rinse cautiously with water for at least 15 minutes, lifting upper and lower eyelids.

- Remove contact lenses if present and easy to do; continue rinsing.
- Get immediate medical attention.

#### Ingestion:

- Rinse mouth with water. Do NOT induce vomiting.
- Never give anything by mouth to an unconscious person.
- Get immediate medical attention.

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

- Symptoms/effects: Not available.
- Mercury compounds may cause severe systemic toxicity; effects may be delayed.

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

- Treat symptomatically. Specific treatment: Not available.

## SECTION 5: Firefighting measures

### SECTION 5: Fire-fighting measures

#### 5.1 Extinguishing media

##### Suitable extinguishing media:

- Use extinguishing media appropriate for surrounding fire (water spray, dry chemical, foam, carbon dioxide).

##### Unsuitable extinguishing media:

- Not available.

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

- Not combustible.
- Thermal decomposition may produce toxic and/or corrosive fumes.
- Hazardous combustion/decomposition products: Not available.

#### 5.3 Advice for firefighters

- Wear self-contained breathing apparatus (SCBA) and full protective gear.
- Avoid inhalation of decomposition products.
- Prevent fire-fighting water from entering drains or waterways.

## SECTION 6: Accidental release measures

### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

- Evacuate unnecessary personnel.
- Avoid dust formation and inhalation.
- Use appropriate personal protective equipment (see Section 8).
- Ensure adequate ventilation.

#### 6.2 Environmental precautions

- Prevent further leakage or spillage if safe to do so.
- Do not allow product to enter drains, surface waters, or soil.

#### 6.3 Methods and material for containment and cleaning up

- Avoid generating dust.
- Collect spillage using methods that do not disperse dust (e.g., damp wipe, HEPA-filter vacuum).

- Place in a suitable, closed, labeled container for disposal.
- Decontaminate spill area with water; collect washings for disposal where required.

#### 6.4 Reference to other sections

- See Section 8 for exposure controls/personal protection.
- See Section 13 for disposal considerations.

### SECTION-7: Handling and storage

#### SECTION 7: Handling and storage

##### 7.1 Precautions for safe handling

- Avoid contact with skin and eyes.
- Avoid breathing dust/fume/mist.
- Use only with adequate ventilation; use local exhaust where dust may be generated.
- Do not eat, drink, or smoke when using this product.
- Wash hands and exposed skin thoroughly after handling.

##### 7.2 Conditions for safe storage, including any incompatibilities

- Store in tightly closed container in a cool, dry, well-ventilated place.
- Protect from moisture.
- Keep away from incompatible materials.

##### Incompatible materials:

- Not available.

##### 7.3 Specific end use(s)

- Not available.

### SECTION 8: Exposure controls / personal protection

#### SECTION 8: Exposure controls/personal protection

##### 8.1 Control parameters

###### Occupational exposure limits:

- Not available.

###### Biological limit values:

- Not available.

##### 8.2 Exposure controls

###### Engineering controls:

- Provide adequate general and local exhaust ventilation to minimize dust exposure.
- Use enclosed handling where feasible.

###### Personal protective equipment (PPE):

###### Eye/face protection:

- Safety glasses with side shields or chemical splash goggles.

###### Skin protection:

- Wear appropriate chemical-resistant gloves.
- Wear protective clothing to prevent skin contact.

###### Respiratory protection:

- If ventilation is inadequate or dust is generated, use a NIOSH/MSHA-approved respirator suitable for particulates.
- Hygiene measures:
- Handle in accordance with good industrial hygiene and safety practice.
  - Remove contaminated clothing and wash before reuse.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Test	Result
Appearance	No data available
IR spectrum	No data available
pH	No data available
Solubility	No data available

Property	Value
a) Physical State	No data available
b) Color	No data available
c) Odor	No data available
d) pH	No data available
e) Vapour Pressure	No data available
f) Viscosity	No data available
g) Initial Boiling Point and boiling range	No data available
h) Melting Point / Freezing Point	No data available
i) Auto Ignition Temperature	No data available
j) Flash Point	No data available
k) Explosion Limit, Lower	No data available
l) Explosion Limit, Upper	No data available
m) Decomposition Temperature	No data available
n) Loss on Drying	No data available
o) Relative Density	No data available
p) Solubility (in DMSO)	No data available

Property	Value
q) Oxidizing Properties	No data available

### SECTION 10: Stability and reactivity

#### SECTION 10: Stability and reactivity

##### 10.1 Reactivity

- Not available.

##### 10.2 Chemical stability

- Stable under recommended storage conditions.

##### 10.3 Possibility of hazardous reactions

- Not available.

##### 10.4 Conditions to avoid

- Dust generation.
- Moisture (if applicable).
- Heat (if applicable).

##### 10.5 Incompatible materials

- Not available.

##### 10.6 Hazardous decomposition products

- Not available.

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

- Acute toxicity: LD50: 57 mg/kg (Oral, Rat) (T14) LD50: 6300 ug/kg (Intraperitoneal, Mouse) (T72) Systemic toxicity may begin within a few hours after exposure to mercury and last for days. A strong metallic taste is followed by stomatis with gingival irritation, foul breath, and loosening of the teeth. The most serious ... effect is renal toxicity. ...

- Skin corrosion/irritation: No data available.
- Serious eye damage/eye irritation: No data available.
- Respiratory or skin sensitization: No data available.
- Germ cell mutagenicity: No data available.
- Carcinogenicity: A4: Not classifiable as a human carcinogen. /Mercury, elemental and inorganic forms, as Hg/
- Reproductive toxicity: MERCURIC SULFATE DIETARY LEVELS IN SINGLE COMB WHITE LEGHORN CHICKENS & JAPANESE QUAILS UP TO 200 PPM OF HG, HAD ONLY SMALL EFFECTS, IF ANY, UPON EGG PRODN, FERTILITY, HATCHABILITY, EGG SHELL STRENGTH, MORBIDITY, & MORTALITY.
- STOT-single exposure: No data available.
- STOT-repeated exposure: No data available.
- Aspiration hazard: No data available.

#### Likely routes of exposure

- No data available.

#### Symptoms related to the physical, chemical and toxicological characteristics

- Mercury mainly affects the nervous system. Exposure to high levels of metallic, inorganic, or organic mercury can permanently damage the brain, kidneys, and developing fetus. Effects on brain functioning may result in irritability,

shyness, tremors, changes in vision or hearing, and memory problems. Acrodynia, a type of mercury poisoning in children, is characterized by pain and pink discoloration of the hands and feet. Mercury poisoning can also cause Hunter-Russell syndrome and Minamata disease. (L7)

## SECTION 12: Ecological information

### SECTION 12: Ecological information

#### 12.1 Toxicity

- Not available.

#### 12.2 Persistence and degradability

- Not available.

#### 12.3 Bioaccumulative potential

- Not available.

#### 12.4 Mobility in soil

- Not available.

#### 12.5 Results of PBT and vPvB assessment

- Not available.

#### 12.6 Endocrine disrupting properties

- Not available.

#### 12.7 Other adverse effects

- Not available.

## SECTION 13: Disposal considerations

### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

Product:

- Dispose of contents/container in accordance with local/regional/national/international regulations.
- Mercury-containing waste may be regulated as hazardous waste.
- Do not discharge to drains or the environment.

Contaminated packaging:

- Dispose of as unused product. Do not reuse empty container.

## SECTION 14: Transport information

### SECTION 14: Transport information

#### 14.1 UN number

- Not available.

#### 14.2 UN proper shipping name

- Not available.

#### 14.3 Transport hazard class(es)

- Not available.

#### 14.4 Packing group

- Not available.

#### 14.5 Environmental hazards

- Not available.

#### 14.6 Special precautions for user

- Not available.

#### 14.7 Maritime transport in bulk according to IMO instruments

- Not available.

### SECTION 15: Regulatory information

#### SECTION 15: Regulatory information

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

- Not available.

##### 15.2 Chemical safety assessment

- Not available.

### SECTION 16: Other information

#### SECTION 16: Other information

##### Revision date:

- Not available.

##### Abbreviations and acronyms:

- SDS: Safety Data Sheet
- CAS: Chemical Abstracts Service
- PPE: Personal Protective Equipment
- SCBA: Self-Contained Breathing Apparatus

##### Disclaimer:

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