

CHAITANYA CHS, 2nd FLOOR, OFFICE # 206, SIDDHARTH NAGAR, S.V.ROAD, GOREGAON (W), MUMBAI 400062, MH, INDIA.
 CONTACT: +9122 28725393 /94/ 95 | EMAILID: CARE@SUVCHEM.COM

MATERIAL SAFETY DATA SHEET (MSDS)

STRONTIUM HYDROXIDE LR (OCTAHYDRATE)

1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name : STRONTIUM HYDROXIDE LR (OCTAHYDRATE)

Product code : S0200105000

Identification of the product : STRONTIUM HYDROXIDE (OCTAHYDRATE) EXTRA PURE
 CAS No: 1311-10-0

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

Use : Industrial. For professional use only.

1.3. Details of the supplier of the safety data sheet

Company identification : SUVCHEM
 Chaitanya Tower, 2nd Floor, Office # 206,
 Siddharth Nagar, S.V. Road,
 Goregaon (West), Mumbai - 400062,
 Maharashtra, India.
 Contact: +91 22 28725393 / 94 / 95
 Email ID: info@suvchem.com/care@suvchem.com

1.4. Emergency telephone number

Phone no. : + 91 22 28725393 / 94 / 95 (9:00am - 6:00 pm) [Office hours]

2. Hazards identification -DSD

2.1. Classification of the substance or mixture

Classification EC 67/548 or EC 1999/45

Classification : C; R34

Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)

Health hazards : Skin corrosion - Category 1B - Danger (CLP : Skin Corr. 1B) H314

2.2. Label elements

Labelling EC 67/548 or EC 1999/45

Symbol(s)



Symbol(s) : C : Corrosive

STRONTIUM HYDROXIDE LR (OCTAHYDRATE)**2. Hazards identification -DSD (continued)****MATERIAL SAFETY DATA SHEET (MSDS)****R Phrase(s)**

: H314 : Causes burns.

S Phrase(s)

: S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37/39 : Wear suitable protective clothing, gloves and eye/face protection.

S45 : In case of accident or if you feel unwell, seek medical advice immediately (show the label when possible).

Labelling Regulation EC 1272/2008 (CLP)**Hazard pictograms****Signal words**

: Danger

Hazard statements

: H314 : Causes severe skin burns and eye damage.

Precautionary statements**• Prevention**
 : P280: Wear protective gloves, protective clothing, eye protection, face protection.
 P260: Do not breathe dust, fume, gas, mist, vapours, spray.
 P264: Wash thoroughly after handling.
• Response
 : P301+P330+P331: IF SWALLOWED : Rinse mouth. Do NOT induce vomiting.
 P305+P351+P338: IF IN EYES : Rinse cautiously with water for several minutes.
 Remove contact lenses, if present and easy to do. Continue rinsing.
 P304+P340: IF INHALED : Remove to fresh air and keep at rest in a position comfortable for breathing.
 P303+P361+P353: IF ON SKIN (or hair) : Remove immediately all contaminated clothing. Rinse skin with water/shower.
 P363: Wash contaminated clothing before reuse.
• Storage

: P405: Store locked up.

• Disposal considerations

: P501: Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards**Other hazards**

: The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

3. Composition/information on ingredients**Substance / Preparation**

: STRONTIUM HYDROXIDE (OCTAHYDRATE) EXTRA PURE

Substance.

Contains no other components or impurities which will influence the classification of the product.

STRONTIUM HYDROXIDE LR (OCTAHYDRATE)

4. First aid measures

4.1. Description of first aid measures

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Inhalation	: Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor.
Skin contact	: Immediately call a POISON CENTER or doctor. Wash with plenty of soap and water. Remove/Take off immediately all contaminated clothing.
Eye contact	: Immediately call a POISON CENTER or doctor. Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes.
Ingestion	: Immediately call a POISON CENTER or doctor. Rinse mouth. Do NOT induce vomiting.

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

Symptoms relating to use : Causes severe skin burns and eye damage.

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

General information : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

5. Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media	: Do not use a heavy water stream.
Surrounding fires	: Use water spray or fog for cooling exposed containers.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products : Under fire conditions, hazardous fumes will be present.
Thermal decomposition generates : Corrosive vapours.

5.3. Advice for fire-fighters

Protection against fire	: Do not enter fire area without proper protective equipment, including respiratory protection.
Special procedures	: Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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6. Accidental release measures (continued)

For emergency responders : Equip clean up crew with proper protection.
For non-emergency personnel : Evacuate unnecessary personnel.

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6.2. Environmental precautions

Environmental precautions : Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

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6.3. Methods and material for containment and cleaning up : CONTACT: +91 22 28705393 / 941195 | EMAILID: CARE@SUVCHEM.COM

Clean up methods

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Do not. Sweep or shovel into suitable containers. Minimize generation of dust.
Store away from other materials.

6.4. Reference to other sections

See section 8. Exposure controls/personal protection

7. Handling and storage

7.1. Precautions for safe handling

Handling : Do not breathe dust, fume, gas, mist, vapours, spray. Wash thoroughly after handling. Wash contaminated clothing before reuse.
Technical protective measures : Provide good ventilation in process area to prevent formation of vapour.

7.2. Conditions for safe storage, including any incompatibilities

Storage : Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use.
Storage regulation : Comply with applicable regulations.
Storage - away from : Strong bases. Strong acids. Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

Specific end use(s) : None.

8. Exposure controls/personal protection

8.1. Exposure controls

Personal protection : Avoid all unnecessary exposure.
• **Respiratory protection** : Wear approved mask.
• **Hand protection** : Wear protective gloves.
• **Skin protection** : Wear suitable protective clothing.

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8. Exposure controls/personal protection (continued)

• **Eye protection** : Chemical goggles or face shield.
• **Others** : When using, do not eat, drink or smoke.

8.2. Control parameters

Occupational Exposure Limits : No data available.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state at 20 °C	: Solid.
Colour	: Colourless crystals
Odour	: N/A
Odour threshold	: No data available.
pH value	: Not applicable.
Melting point [°C]	: No data available.
Decomposition point [°C]	: N/A
Critical temperature [°C]	: N/A
Auto-ignition temperature [°C]	: N/A
Flammability (solid, gas)	: N/A
Flash point [°C]	: N/A
Boiling point [°C]	: N/A
Initial boiling point [°C]	: N/A
Final boiling point [°C]	: N/A
Evaporation rate	: N/A
Vapour pressure [20°C]	: N/A
Vapour pressure mm/Hg	: N/A
Vapour density	: N/A
Density [g/cm3]	: 1,9
Relative density, gas (air=1)	: N/A
Relative density, liquid (water=1)	: N/A
Solubility in water [% weight]	: N/A
Solubility in water	: N/A
Log Pow octanol / water at 20°C	: No data available.
Solubility	: N/A
Viscosity at 40°C [mm2/s]	: N/A

9.2. Other information

Explosive properties : N/A

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9. Physical and chemical properties (continued)

Explosion limits - upper [%]	: N/A
Explosion limits - lower [%]	: N/A
Oxidising properties	: No data available.

10. Stability and reactivity

10.1. Reactivity

Reactivity : Not established.

10.2. Chemical stability

Chemical stability

: Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions

: Not established.

10.4. Conditions to avoid

Conditions to avoid

: Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Materials to avoid

: Strong acids. Strong bases.

10.6. Hazardous decomposition products

Hazardous decomposition products

: Fumes. Carbon monoxide. Carbon dioxide.
Thermal decomposition generates : Corrosive vapours.

11. Toxicological information

11.1. Information on toxicological effects

Acute toxicity

- Inhalation : Based on available data, the classification criteria are not met.
- Dermal : Based on available data, the classification criteria are not met.
- Ingestion : Based on available data, the classification criteria are not met.

Corrosion

: Causes severe skin burns and eye damage.

Irritation

: Based on available data, the classification criteria are not met.

Sensitization

: Based on available data, the classification criteria are not met.

Mutagenicity

: Based on available data, the classification criteria are not met.

Carcinogenicity

: Based on available data, the classification criteria are not met.

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11. Toxicological information (continued)

Toxic for reproduction

: Based on available data, the classification criteria are not met.

STOT-single exposure

: Based on available data, the classification criteria are not met.

STOT-repeated exposure

: Based on available data, the classification criteria are not met.

Aspiration hazard

: Based on available data, the classification criteria are not met.

12. Ecological information

12.1. Toxicity

Toxicity information

: Not established.

12.2. Persistence - degradability

Persistence - degradability

: Biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential

: Not established.

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12.4. Mobility in soil

Mobility in soil

: Not established.

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LABORATORY CHEMICALS**12.5. Results of PBT and vPvB assessment**

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Results of PBT and vPvB assessment : The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex II of Regulation REACH.**MATERIAL SAFETY DATA SHEET (MSDS)****12.6. Other adverse effects**

Environmental precautions

: Avoid release to the environment.

13. Disposal considerations**13.1. Waste treatment methods**

General

: Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations.

Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

14. Transport information**14.1. Land transport (ADR-RID)**

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STRONTIUM HYDROXIDE LR (OCTAHYDRATE)**14. Transport information (continued)**

Proper shipping name : CORROSIVE SOLID, BASIC, INORGANIC, N.O.S.
UN N° : 3262
H.I. nr : 80
ADR - Class : 8
Labelling - Transport : 8 : Corrosive substance.



ADR - Classification code : C6
ADR - Group : II
ADR - Packing instructions : P002
ADR - Limited Quantity : 1 KG
ADR - Tunnel code



: E : Passage forbidden through tunnels of category E.

14.2. Sea transport (IMDG) [English only]

Proper shipping name : CORROSIVE SOLID, BASIC, INORGANIC, N.O.S.

UN N° : 3262

IMO-IMDG - Class or division : 8 : Corrosive substance.

IMO-IMDG - Packing group : II

IMO-IMDG - Packing instructions : P002

IMO-IMDG - Limited quantities : 1 kg

IMO-IMDG - Marine pollution : NO

EMS-Nr : F-A S-B

MATERIAL SAFETY DATA SHEET (MSDS)

14.3. Air transport (ICAO-IATA) [English only]

Proper shipping name : CORROSIVE SOLID, BASIC, INORGANIC, N.O.S.

UN N° : 3262

IATA - Class or division : 8 : Corrosive substance.

IATA - Packing group : II

IATA - Passenger and Cargo Aircraft : ALLOWED

- Passenger and Cargo - Packing instruction : 859

- Passenger and Cargo - Maximum : 15 kg

Quantity/Packing

IATA - Cargo only : ALLOWED

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STRONTIUM HYDROXIDE LR (OCTAHYDRATE)

14. Transport information (continued)

In accordance with REACH Regulation (CE) N° 1907/2006 and with CLP Regulation (CE) N° 1272/2008

- Cargo only - Maximum Quantity/

Packing

IATA - Limited Quantities : 5 kg

ERG-Nr : 81

SUVCHEM Products are to be used as Lab Chemicals for R&D only. Not for drug, medicinal, household or other uses.

• **SUVCHEM** shall not be responsible for any damage resulting from handling or from contact with the above product.

SUVCHEM provides the information contained herein in good faith but makes no representation as to its

15. Regulatory information or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product.

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

Safety, health and environmental regulations/legislation specific for the substance or mixture : Ensure all national/local regulations are observed.

REACH Restrictions - Annex XVII : The components of this product are not subject to restrictions.

REACH Authorisation - Annex XIV : The components of this product are not subject to authorization.

15.2. Chemical Safety Assessment

Chemical Safety Assessment : It has not been carried out.

16. Other information

Revision : Revision - See : *

Abbreviations and acronyms : PBT: persistent, bioaccumulative and toxic.
vPvB: very persistent and very bioaccumulative

Sources of key data used : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF

End of document

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MATERIAL SAFETY DATA SHEET (MSDS)