

GHS Safety Data Sheet

SDS No. : SRI05XAEG

Date Issued:2017/12/05

Section 1. Identification of the substance or mixture and of the supplier

1.1 Product Information

Product name: Sr(OH)₂·8H₂O **Strontium hydroxide, hydrous**

Product number:	Purity	Form	Size
SRI08XB	99% (2N)	solid	—

1.2 Company Information:

Manufacturer : Kojundo Chemical Laboratory Co., Ltd

1-28, 5-chome, Chiyoda, Sakado-shi, Saitama Japan 350-0284

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Section 2. Hazards identification

GHS Classification

Health Hazards	Environmental Hazards	Physical Hazards
Skin corrosion/ irritation:: Category 1	No data available	Flammable solids : Not classified Pyrophoric solids : Not classified Self-heating substances and mixtures : Not classified Substances and mixtures which in contact with water, emit flammable gases : Not classified

GHS Label: R



Pictograms or symbols

Warning word: DANGER

Hazard information

Causes severe skin burns and eye damage

Description of precaution

Avoid breathing dust/mist/gas/fume/vapors/spray. Do not eat, drink or smoke when using this product, and wash hands thoroughly after handling.

Take off the contaminated clothing and wash before reuse.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

IF IN EYES: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF ON SKIN: Remove immediately all contaminated clothing and rinse skin with water/shower. Then wash skin with plenty of soap and water. If skin irritation occurs, get medical advice/attention.

Immediately call a POISON CENTER or doctor/physician.

Store locked up.

Dispose of contents/ container in accordance with local/national regulations.

Additional hazard information :

With respect to additional hazard information, see Section 11.

Section 3. Composition / information on ingredients

Chemical or common name:	Strontium hydroxide, octahydrate
Chemical formula:	Sr(OH) ₂ ·8H ₂ O
Single Substance or Mixture:	Single substance
Composition:	100%
CAS #:	1311-10-0
RTECS#:	WK9100000 (anhydrate)
TSCA inventory :	listed (anhydrate)
EINECS:	2423671 (anhydrate)

Section 4. First aid measures

Eye contact:	Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.
Skin contact:	Promptly flush contaminated skin with soap or mild detergent and water. Contact physician if irritation continues.
Inhalation:	Remove the exposed person immediately and provide fresh air. Get medical attention.
Ingestion:	Rinse mouth and throat with water. Get medical attention immediately.

Section 5. Fire fighting measures

Extinguishing media:	The product is nonflammable. Use media appropriate for surrounding fire.
Fire fighting	In case of fire, the product may liberate toxic gases. Self-contained breathing apparatus and full protective clothing should be used, if this product is involved in fire.

Section 6. Accidental release measures

Personal Precautions:	Workers should use protective wears to prevent contact with the spilt adhesive and inhalation of its vapor/dusts.
Environmental hazard precautions:	Shut off leak if without risk. Prevent flow out to river, etc. so as not to badly affect.
Method for containment and cleaning up:	Indoor leakage: Ventilate as much as possible until the cleaning is completed. Outdoor leakage: Work from the windward and evacuate the leeward crowd. Gather up, pack in closed container as much as possible. Carefully collect remnant and move to a safe place.

Section 7. Handling and storage**Precautions to be taken in handling:**

Safe handling:	Use protective wears and local ventilation equipment, if inhalation or skin contact is foreseen.
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Precautions to be taken in storage:

General precautions: Store in a cool, dry place away from incompatible materials.
Keep container or bottle tightly closed.

Section 8. Exposure controls / personal protection

Exposure guideline: ACGIH (2013): No data available
OSHA (2006): No data available

Facility measures: Local ventilation of closed work room or total proper ventilation to prevent Inhalation. Use explosion-proof electrical/ventilating/lighting/ equipment.

Protective ware: Wear appropriate NIOSH/MSHA-approved respirator, safety goggles, protective gloves.

Section 9. Physical and chemical properties

Color and Form: Colorless solid, odorless.

Chemical formula: Sr(OH)₂·8H₂O

Formula weight: 265.8

Melting point: 375 °C(anhydrate, in a stream of hydrogen gas) 100°C(-8H₂O)

Water solubility: (Hot) Soluble (Cold) Slightly soluble

Flammable: Nonflammable

Oxidation: No data available

Section 10. Stability and reactivity

Stability: Stable in closed container at room temperature.
Efflorescent. Absorbs carbon dioxide in the air to form strontium carbonate.

Reactivity

Condition to avoid: Air, moisture

Incompatibility: Acids

Section 11. Toxicological information

Acute toxicity: GHS : No data available

Skin corrosive / irritation: GHS : Category 1 ; Causes severe skin burns and eye damage.
The solution in water is a strong base.

Serious eyes damage / eye irritation: GHS : No data available

Respiratory sensitization: GHS : No data available

Skin sensitization: GHS : No data available

Germ cell mutagenicity: GHS : No data available

Carcinogenicity: GHS : No data available

Reproductive toxicity: GHS : No data available

Specific target organ toxicity
—single exposure: GHS : No data available

Specific target organ toxicity
—repeated exposure: GHS : No data available

Aspiration hazard: GHS : No data available

Section 12. Ecological information

Ecotoxicity:

Hazards to the aquatic environment

—acute toxicity:

GHS : No data available

—chronic toxicity:

GHS : No data available

Hazardous to the ozone layer

GHS : No data available

No Freon or Halon

Fish toxicity:

No data available

Degradability:

No data available

Bioaccumulative potential:

No data available

Mobility in soil:

No data available

Section 13. Disposal considerations

Disposal method: User of the product should contract with the local government or licensed 'Industrial Waste Haulers' for disposal of waste.

Section 14. Transport information

UN number: 3262

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

IATA classification: Hazardous Class 8 Corrosive substances.

IATA packing group: III

HS code: 2816.40

Marine pollution: None

Section 15. Regulatory information

TSCA inventory : listed.

Please refer to any other local / national measures that may be relevant.

Section 16. Other information

The information described above is believed to be correct. However, Kojundo Chemical Lab. makes no representation, warranty nor guarantee of any kind with respect to the information on this data sheet or any use of the product based upon this information.