

1. Product and Company Identification

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Product Name Calcium OXIDE Powder
Product Type RXSOL-93-1495-025

Company Details:

RX MARINE INTERNATIONAL
105, A wing , BSEL , TECH PARK.
VASHI ,NEW BOMBAY 400703 INDIA

Stock Point : Mumbai, Kolkata, Chennai, Gandhidham, Visakhapatnam, Fujairah, Muscat

Phone +91 22 27815541 / 42
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Email mail@rxmarine.com

2. Composition / Information on ingredients

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| Ingredient | CAS No | Percent | Hazardous |
|---------------|-----------|-----------|-----------|
| Calcium oxide | 1305-78-8 | 90 - 100% | - |

3. Hazards Identification

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Danger! Harmful if swallowed. Causes burns by all exposure routes. Reacts violently with water. Target Organs: Respiratory system, gastrointestinal system, eyes, skin.

Potential Health Effects

Eye: Causes eye burns.

Skin: Causes skin burns. May be harmful if absorbed through the skin.

Ingestion: Harmful if swallowed. Causes gastrointestinal tract burns.

Inhalation: Causes chemical burns to the respiratory tract. May be harmful if inhaled.

Chronic: Prolonged or repeated skin contact may cause dermatitis. Chronic inhalation may cause nasal septum ulceration and perforation.

4. First Aid Measures

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|---------------------|---|
| Eyes | Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately |
| Skin | Get medical aid immediately. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. |
| Ingestion: | Do not induce vomiting. Get medical aid immediately. Call a poison control center. |
| Inhalation: | Get medical aid immediately. Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper |
| Notes to Physician: | Treat symptomatically and supportively. |

5. Fire-fighting Measures

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General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Water reactive. Material will react with water and may release a flammable and/or toxic gas.

Extinguishing Media: Use foam, dry chemical, or carbon dioxide. DO NOT USE WATER!

Autoignition Temperature: Not available.

Flash Point: Not applicable.

Explosion Limits: Lower: Not available

Explosion Limits: Upper: Not available

NFPA Rating: ; Special Hazard: -W

6. Accidental Release Measures

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General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container. Wear a self contained breathing apparatus and appropriate personal protection. (See Exposure Controls, Personal Protection section). Avoid generating dusty conditions. Provide ventilation. Do not expose spill to water. Do not get water inside containers. Do not let this chemical enter the environment.

7. Handling and Storage

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| | |
|----------|---|
| Handling | Do not allow water to get into the container because of violent reaction. Minimize dust generation and accumulation. Do not get in eyes, on skin, or on clothing. Do not ingest or inhale. Do not allow contact with water. Use only in a chemical fume hood. |
| Storage: | Store in a cool, dry place. Store in a tightly closed container. Corrosives area. Store protected from moisture. Store under an inert atmosphere. |

8. Exposure controls and personal protection

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Chemical Name ACGIH NIOSH OSHA - Final PELs

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Calcium oxide 2 mg/m3 2 mg/m3 TWA 2 5 mg/m3 TWA

mg/m3 IDLH

+-----+-----+-----+-----+

OSHA Vacated PELs: Calcium oxide: 5 mg/m3 TWA (not in effect as a result of reconsideration)

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use only under a chemical fume hood.

Exposure Limits Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

9. Physical and chemical properties

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Physical State: Powder

Color: white to light yellow - very slightly beige

Odor: Odorless.

pH: 12.5 (1.65 g/L aq sol)

Vapor Pressure: Negligible.

Vapor Density: Not available

Evaporation Rate: Negligible.

Viscosity: Not available

Boiling Point: 2850 deg C @ 760 mmHg (5,162.00°F)

Freezing/Melting Point: 2570 deg C (4,658.00°F)

Decomposition Temperature: Not available

Solubility in water: Reacts

Specific Gravity/Density: Not available.

Molecular Formula: CaO

Molecular Weight: 56.08

10. Stability and reactivity

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Chemical Stability: Air sensitive. Reacts violently with water. Moisture sensitive.

Conditions to Avoid: Incompatible materials, dust generation, exposure to air, exposure to moist air or water.

Incompatibilities with Other Materials Strong oxidizing agents, acids, carbon dioxide, chlorine trifluoride, fluorine, halogens, phosphorus pentoxide, calcium chloride, metal halides, hydrofluoric acid, hydrogen fluoride, ethanol, boron trifluoride.

Hazardous Decomposition Products Calcium hydroxide.

Hazardous Polymerization Has not been reported.

11. Toxicological information

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RTECS#: CAS# 1305-78-8: EW3100000

LD50/LC50: RTECS: Not available.

Carcinogenicity: Calcium oxide - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

Other: See actual entry in RTECS for complete information.

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

12.2. Persistence and degradability

CALCIUM OXIDE POWDER 90% EXTRA PURE (1305-78-8)

Persistence and degradability Rapidly degradable

12.3. Bioaccumulative potential : No additional information available

12.4. Mobility in soil : No additional information available

12.5. Results of PBT and vPvB assessment : No additional information available

12.6. Endocrine disrupting properties : No additional information available

12.7. Other adverse effects : No additional information available

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13. Disposal considerations

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Dispose of in a manner consistent with federal, state, and local regulations.

Regional waste regulation : Disposal must be done according to official regulations.

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions. Sewage disposal recommendations : Disposal must be done according to official regulations.

Product/Packaging disposal recommendations : Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. Disposal must be done according to official regulations.

Additional information : Do not re-use empty containers.

14. Transport information

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US DOT

Shipping Name: CALCIUM OXIDE

Hazard Class: 8

UN Number: UN1910

Packing Group: III

Canada TDG Shipping Name: CALCIUM OXIDE

Hazard Class: 8

UN Number: UN1910

Packing Group: III

15. Regulatory information

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

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List) : Not listed on REACH Annex XVII

REACH Annex XIV (Authorisation List) : Not listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC) : Not listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent) : Not listed on the PIC list (Regulation EU 649/2012)

POP Regulation (Persistent Organic Pollutants) : Not listed on the POP list (Regulation EU 2019/1021)

Ozone Regulation (1005/2009) : Not listed on the Ozone Depletion list (Regulation EU 1005/2009)

Dual-Use Regulation (428/2009) : Contains no substance subject to the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items.

Explosives Precursors Regulation (2019/1148) : Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004) : Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

16. Other information

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The information provided about the product on this Safety Data Sheet has been compiled from knowledge of the individual constituents. The data given here is based on current knowledge and experience. This Safety Data Sheet describes the product in terms of safety requirements and does not signify any warranty with regard to the product's properties. The data given here only applies when product used for proper application(s). The product is not sold as suitable for other applications - usage in such may cause risks not mentioned in this sheet. Do not use for other.

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