

## 1. Product and Company Identification

www.rxmarine.com

Product Name [Calcium Iodate Anhydrous](#)  
Part Number [RXSOL-95-9502-500](#)

### Company Details:

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

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## 2. Composition / Information on ingredients

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Chemical Name	Concentration	CAS Number
<a href="#">Calcium Iodate Anhydrous</a>	99-100 %	7789-80-02

Chemical Formula :  $\text{Ca}(\text{IO}_3)_2 \cdot x(\text{H}_2\text{O})$   
Molecular weight : 389.88 g/mol

## 3. Hazards Identification

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### Potential Acute Health Effects:

Very hazardous in case of ingestion. Hazardous in case of skin contact (irritant, permeator), of eye contact (irritant), of inhalation. Prolonged exposure may result in skin burns and ulcerations. Over-exposure by inhalation may cause respiratory irritation.

### Potential Chronic Health Effects:

Very hazardous in case of ingestion. Hazardous in case of skin contact (irritant, permeator), of eye contact (irritant), of inhalation. CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance is toxic to lungs, mucous membranes. Repeated or prolonged exposure to the substance can produce target organs damage.

## 4. First Aid Measures

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Contact with skin	After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with soap and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with a sterile dressing. If irritation persists, seek medical attention.
Contact with eyes	In case of contact, immediately flush skin with plenty of water. Check for and remove any contact lenses. Do not use eye drops. Seek medical attention.
Ingestion	Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, provide mouth resuscitation. Seek immediate medical attention.
Inhalation	Allow the victim to rest in a well ventilated area. Seek immediate medical attention.
General	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

## 5. Fire-fighting Measures

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Flammability of the Product: Non-flammable.  
Auto-Ignition Temperature: Not applicable.  
Flash Points: Not applicable.

Flammable Limits: Not applicable.

Products of Combustion: Not available.

Fire Hazards in Presence of Various Substances: Not applicable.

Explosion Hazards in Presence of Various Substances:

Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions: Not applicable.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

## 6. Accidental Release Measures

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Personal Precautions	Wear protective clothing as per section 8.
Environmental Precautions	No special precautions are required for this product.
Small Spill	Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading contaminated surface and dispose of according to local and regional authority requirements.
Large Spill	Oxidizing material. Stop leak if without risk. Avoid contact with a combustible material (wood, paper, oil, clothing, etc.). Dampen using water spray. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if necessary. Seek assistance on disposal.

## 7. Handling and Storage

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Precaution	Keep away from heat. Keep away from sources of ignition. Keep away from combustible material. Do not breathe dust. Wear protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If you feel unwell, seek medical attention and show the label when possible. Avoid contact with skin and eyes.
Storage	Oxidizing materials should be stored in a separate safety storage cabinet or room.

## 8. Exposure controls and personal protection

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Engineering Control	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below recommended limits.
Personal Protection	Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.
Occupational exposure controls	Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid exposure to the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.



Goggles

## 9. Physical and chemical properties

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Odour	Odourless
Appearance	Powder, beige Colour
pH	NA
Boiling point	NA
Vapour pressure	Not known
Melting Point	Decomposes. (540°C or 1004°F)
Specific Gravity	4.52 (Water = 1)
Vapor Density	Not available.
Solubility	Note

## 10. Stability and reactivity

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Stability	The product is stable.
Instability Temperature	Not available.
Conditions of Instability	Incompatibles
Incompatibility with various substances	NA
Corrosivity	Non-corrosive in presence of glass.
Special Remarks on Reactivity:	NA.
Polymerization	NA

## 11. Toxicological information

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Routes of Entry: Dermal contact. Eye contact. Inhalation. Ingestion.

LD50: Not available. LC50	No experimental data available.
Chronic Effects on Humans	The substance is toxic to lungs, mucous membranes.
Other Toxic Effects on Humans	Very hazardous in case of ingestion. Hazardous in case of skin contact (irritant, permeator), of inhalation.
Special Remarks on Toxicity to Animal	NA
Special Remarks on Chronic Effects on Humans	NA
Special Remarks on other Toxic Effects on Humans	NA

## 12. Ecological information

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Ecotoxicity	Not Available
Products of Biodegradation	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation.	The products of degradation are more toxic.
Special Remarks on the Products of Biodegradation	Not available.

## 13. Disposal considerations

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Classification	EU Waste class: -
Disposal considerations	Waste must be disposed of in accordance with federal, state and local environmental control regulations.

## 14. Transport information

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UN number	
ADR/RID: 1479 IMDG: 1479 IATA: 1479	
UN proper shipping name	
ADR/RID: OXIDIZING SOLID, N.O.S. (Calcium iodate)	
IMDG: OXIDIZING SOLID, N.O.S. (Calcium iodate)	
IATA: Oxidizing solid, n.o.s. (Calcium iodate)	
Transport hazard class(es)	
ADR/RID: 5.1 IMDG: 5.1 IATA: 5.1	
Packaging group	
ADR/RID: II IMDG: II IATA: II	

Environmental hazards

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

## 15. Regulatory information

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Federal and State Regulations: TSCA 8(b) inventory: Calcium iodate Anhydrous

Other Regulations: OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

### Other Classifications:

WHMIS (Canada):

CLASS C: Oxidizing material. CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC): R36/38- Irritating to eyes and skin.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 0

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 0

Reactivity: 0

Specific hazard:

Protective Equipment:

Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

## 16. Other information

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