Material Safety Data Sheet

Calcium Iodate Anhydrous (RXSOL-95-9502-500)

1. Product and Company Identifaction

Product Name	**Calcium Iodate Anhydrus**
Part Number	RXSOL-95-9502-500

Company Details:

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

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

Phone	+91 22 27815541 / 42
Fax	+91 22 2781 1318 :::AOH :0091 9821214367
Email	**mail@rxmarine.com**

2. Composition / informationon ingredients

Chemical Name	Concentration	CAS Number
Calcium Iodate Anhydrus	99-100 %	7789-80-02

Chemical Formula : Ca(IO3)2 .x(H2O)
Molecular weight : 389.88 g/mol

3. Hazards Identification

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

Contact with skin	After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. 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 an eye ointment. 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, perform mouth-to-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

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

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 water on the 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...). Keep substance damp using water spray. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal.

7. Handling and Storage

Precuation	Keep away from heat. Keep away from sources of ignition. Keep away from combustible material Do not breathe dust. Wear suitable 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

Engineering Control	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
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 inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.



Goggles

9. Physical and chemical properties

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

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

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

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

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

14. Transport information

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

Federal and State Regulations: TSCA 8(b) inventory: Calcium iodate Anhydrous
Other Regulations: OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR1910.1200).

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

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall ***Rx Marine International*** *be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if* ***Rx Marine International*** *has been advised of the possibility of such damages.*