



Corporate Office Address

Suite # 205, Sigma Prime, Second Floor Nr. Sardar Patel Statue
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Tele/ Fax : ++91-2692-238849 , 238850
Email: info@infiniumpharmachem.com infinium_11@yahoo.com
Web : www.infiniumpharmachem.com
R.O. & Factory Address:-
Plot No.38 - 39 GIDC Sojitra - 387240 Dist. Anand
Gujarat - India Tel / Fax : ++91-2697- 234987

MATERIAL SAFETY DATA SHEET

CALCIUM IODATE

1.1 Product Identifiers:

Product Name : **Calcium Iodate**

Product Codes : **XXXXX**

CAS No : **7789-80-2**

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

Identified uses : Laboratory chemicals, Manufacture of substances

1.3 Details of the supplier of the safety data sheet

Supplier: Infinium Pharmachem Pvt. Ltd. (AN ISO 9001:2008 CERTIFIED CO.)
38, G.I.D.C, Sojitra
Dist: Anand
Gujarat, India

Tel : 0091-2697-234987

Fax : 0091-2697-234987

Email : info@infiniumpharmachem.com

Synonyms : Iodic acid calcium salt; Autarite; lautarite

CAS No. : 7789-80-2

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Molecular Weight : 389.88 g/mol

Chemical Formula : CaI_2O_6

3.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]

Oxidizing solids (Category 2)

Skin irritation (Category 2)

Eye irritation (Category 2)

Specific target organ toxicity -single exposure (Category 3)

Classification according to EU Directives 67/548/EEC or 1999/45/EC

Contact with combustible material may cause fire.

Irritating to eyes, respiratory system and skin.

3.2 Label elements

Labeling according Regulation (EC) No 1272/2008 [CLP]

Pictogram



Signal word

Danger

Hazard statement(s)

H272 May intensify fire; oxidizer.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

Precautionary statement(s)

P220 Keep/Store away from clothing/ combustible materials.

P261 Avoid breathing dust.

P305 + P351 + P338

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

Supplemental Hazard - none



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Statements

According to European Directive 67/548/EEC as amended.

Hazard symbol(s)

R-phrases(s)

R 8 Contact with combustible material may cause fire.

R36/37/38 Irritating to eyes, respiratory system and skin.

S-phrase(s)

S16 Keep away from sources of ignition -No smoking.

S17 Keep away from combustible material.

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

S36 Wear suitable protective clothing.

3.3 Other hazards -none

4.1 Description of first aid measures

Eyes:

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. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion:

If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately.

Inhalation:

Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

4.2 Most Important symptoms & efforts, both acute and delayed

The most important known symptoms and effects are described in the labeling (see section no 3.3) or section 11.

4.3 Indication of any immediate medical attention and special treatment needed



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No data available.

5.1 Flammability of the Product

Non-flammable.

5.2 Auto-Ignition Temperature

Not applicable.

5.3 Flash Points

Not applicable.

5.4 Flammable Limits

Not applicable.

5.5 Products of Combustion

Not available.

5.6 Fire Hazards in Presence of Various Substances

Not applicable.

5.7 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.

5.8 Fire Fighting Media and Instructions

Not applicable.

5.9 Special Remarks on Fire Hazards

Not available.

6.1 Personal precautions



Immediately contact emergency personnel. Eliminate all ignition sources. Keep unnecessary personnel away. Use suitable protective equipment. Do not touch or walk through spilled material.

6.2 Environmental Precautions:

Avoid dispersal of spilled material, run off and contact with soil, waterways, drains and sewers.

6.3 Methods for cleaning up:

If emergency personnel are unavailable, carefully scoop up spilled materials & use a non-sparking or explosion-proof means to transfer material to an appropriate container for disposal by incineration. Avoid creating dusty conditions and prevent wind dispersal.

7.1 Precautions for safe handling:

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.

7.2 Conditions for safe Storage, including any incompatibilities

Oxidizing materials should be stored in a separate safety storage cabinet or room.

8.1 Engineering Controls:

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.

8.2 Personal Protection:

Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

8.3 Personal Protection in Case of a Large Spill:

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.

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9.1 Information on Basic physical & chemical properties

Appearance	: White crystalline powder.
Formula	: Ca (IO ₃) ₂
Boiling Point	: N/A °C
Melting Point	: N/A °C
Vapour Pressure	: N/A
Specific Gravity	: 4.519 (water = 1)
Flash Point	: N/A
pH	: N/A ()
Solubility in water	: 0.31 g/l (25 deg C)

Flammability Limits (as percentage volume in air)

Lower Explosion Limit	: N/A
Upper Explosion Limit	: N/A

9.2 Other safety Information

No data available

10.1 Stability	: The product is stable.
10.2 Instability Temperature	: Not available.
10.3 Conditions of Instability	: Not available.
10.4 Incompatibility with various substances	: Not available.
10.5 Corrosivity	: Non-corrosive in presence of glass.
10.6 Special Remarks on Reactivity	: Not available.
10.7 Special Remarks on Corrosivity	: Not available.
10.8 Polymerization	: No

11.1. Information on toxicological effects**Routes of Entry:**

Dermal contact. Eye contact. Inhalation. Ingestion.

Toxicity to Animals:



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LD50: Not available. LC50: Not 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 Animals:

Not available.

Special Remarks on Chronic Effects on Humans:

Not available.

Special Remarks on other Toxic Effects on Humans:

Not available.

12.1 Ecotoxicity: Not available.

12.2 BOD5 and COD: Not available.

12.3 Products of Biodegradation:

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

12.4 Toxicity of the Products of Biodegradation: The products of degradation are more toxic.

12.5 Special Remarks on the Products of Biodegradation: Not available.

13.1 Waste treatment methods

Product

Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product.

DOT Classification: CLASS 5.1: Oxidizing material.

Identification: Oxidizing solid, n.o.s. (calcium iodate) : UN1479 PG: III

Special Provisions for Transport: Not available.



An ISO 9001 : 2008 Certified Manufacturing Co.

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Federal and State Regulations:

TSCA 8(b) inventory: Calcium iodate

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.

MSDS Creation Date: 01-01-2015

Revision #1 Date: 31-12-2017

Disclaimer:

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