

## MATERIAL SAFETY DATA SHEET

### 1) CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Common Name / Trade Name: **CALCIUM IODATE**

Name of Manufacturer / Supplier: **ESKAY IODINE PVT. LTD.**  
Plot no: 907/2, GIDC Industrial Estate,  
Jhagadia, Dist: Bharuch  
Gujarat-393110, INDIA

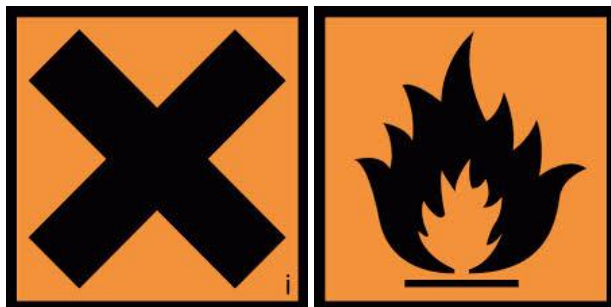
Contact no: +91-7567039300  
Email: [sunilgsharda@sk1932.com](mailto:sunilgsharda@sk1932.com)  
Use of the substance / preparation: Chemical Process General; Feed Additives

### 2) HAZARDS IDENTIFICATION

Classification: O; R8 Contact with combustible material may cause fire.  
Hazard Symbols: O Oxidizing  
R Phrases: 8 Contact with combustible material may cause fire.

Hazard symbol

XI O



Risk phrases

36/37/38 8

### 3) COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characterization: **CALCIUM IODATE MONOHYDRATE FCC POWDER**  
Substance / Product Identification: CAS No: 7789-80-2  
EC No. : 232-191-3  
%: 99%

### 4) FIRST AID MEASURES

General Information: In case of persisting adverse effects consult a physician. Remove Contaminated, soaked clothing immediately and dispose of safely.

After Inhalation: In the event of symptoms take medical treatment. Ensure supply of fresh air. If not breathing or breathing is difficult, give artificial respiration.

After Skin Contact: In case of contact with skin wash off immediately with soap and Water for at least 15 minutes.

After eye contact: In case of contact with eyes rinse thoroughly with water for at least 15 minutes, occasionally lifting the upper and lower lids.

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.

**5) FIRE FIGHTING MEASURES**

Suitable Extinguishing Media: Alcohol-resistant foam; water spray jet; Carbon dioxide; extinguishing Powder.

Special Exposure hazards arising from the substance or preparation itself: In case of combustion evolution of dangerous gases possible. combustion products, resulting gases.

Special protective equipment for fire-fighters: Use self-contained breathing apparatus in pressure demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Strong oxidizer. Contact with other material may cause fire. Use water with caution and flooding amounts.

Auto ignition temperature: Not available  
Flash point: Not available  
Explosion limits (lower): Not available  
Explosion limits (upper): Not available  
NFPA rating: NFPA rating: OX

**6) ACCIDENTAL RELEASE MEASURES**

Personal precautions: Use personal protective clothing. Remove persons to safety.  
Spills/Leaks: Absorb spill with inert material (e.g., vermiculite, sand or earth), then place in suitable container. Avoid generating dusty conditions.

**7) HANDLING AND STORAGE**

Handling: Advice on Safe Handling: Provide good ventilation of working area (Local exhaust ventilation if necessary). Avoid dust formation.  
Storage: Protect from heat and direct sunlight. Keep Container tightly closed, Storage conditions cool and dry. Do not store near combustible materials.

**8) EXPOSURE CONTROLS / PERSONAL PROTECTION**

CHEMICAL NAME	ACGIH	NIOSH	OSHA- Final PELs
CALCIUM IODATE MONOHYDRATE	None listed	None listed	None listed

OSHA Vacated PELs: CALCIUM IODATE MONOHYDRATE FCC POWDER: None listed  
Engineering controls: Use adequate ventilation to keep airborne concentrations low.  
Exposure Limits: NONE  
Respiratory Protection: Follow the OSHA respiratory regulations found in 29 CFR 1910, 134 or European standard EN 149. Use a NOISH/MSHA or European standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced  
Eye Protection: Wear Safety Glasses as described by OSHA’s eye and face protection regulations in 29 CFR 1910.133 or European Standard (EN 166)  
Skin: Wear appropriate protective gloves to prevent skin exposure.  
Clothing: Wear appropriate clothing to prevent skin exposure  
General Protective and Hygiene: Keep separated from food-stuffs and feed-stocks. Keep away from Foodstuffs and beverages.

## 9) PHYSICAL AND CHEMICAL PROPERTIES

General Information	Form :	Crystalline Powder.
	Colour:	White
	Odour :	Odourless
	pH:	Not available
	Vapor pressure:	Not available
	Vapor density:	Not available
	Evaporation rate:	Not available
	Viscosity:	Not available
	Boiling point:	Not available
	Freezing/Melting point:	540°C (1,004.00°F)
	Decomposition temperature:	Not available
	Solubility in Water:	Slightly soluble
	Specific gravity/density:	4.519@15°C/4°C
	Molecular formula:	CaI2O6.H2O
	Molecular weight:	407.9

## 10) STABILITY AND REACTIVITY DATA

Chemical stability:	Stable
Conditions to avoid:	Ignition sources, dust generation, combustible materials, electrical Sparks, Exposure to flame.
Incompatibilities with Other materials:	Reducing agents, aluminum, copper, phosphorous, sulphur, arsenic, Carbon, metal sulphides, organic matter.
Hazardous decomposition products:	Hydrogen iodide
Hazardous polymerization:	Not been reported.

## 11) TOXICOLOGICAL INFORMATION

RTECS#:	CAS#7789-80-2: None listed
LD50/LC50:	RTECS: Not available
Carcinogenicity:	CALCIUM IODATE MONOHYDRATE FCC POWDER not listed As a carcinogen by ACGIH, IARC, NTP, or CA Prop 65

## 12) ECOLOGICAL INFORMATION

Other Adverse Effects:	Do not discharge product unmonitored into the environment. Ecological data are not available.
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## 13) DISPOSAL CONSIDERATIONS

Product :	Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.
Packaging :	Residual must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

## 14) TRANSPORT INFORMATION

Land Transport ADR / RID :	Class :	5.1
	Packaging Group :	II
	Label :	5.1
	UN Number :	1479

Marine Transport IMDG :	Technical Name : Oxidizing solid, n.o.s. Danger Releasing Substance : CALCIUM IODATE MONOHYDRATE FCC POWDER Class : 5.1 Packaging Group : II UN Number : 1479 Proper Shipping Name : Oxidizing Solid, n.o.s. Danger Releasing Substance: CALCIUM IODATE MONOHYDRATE FCC POWDER EmS : F-A, S-Q MARPOL : -- Label : 5.1
Air Transport ICAO / IATA :	Class : 5.1 Packaging Group : II UN Number : 1479 Proper Shipping Name : Oxidizing Solid, n.o.s. Danger Releasing Substance: CALCIUM IODATE MONOHYDRATE FCC POWDER Label : 5.1

### 15) REGULATORY INFORMATION

European Labeling in accordance with EC directives:

EC No. :	232-191-3 (CALCIUM IODATE MONOHYDRATE FCC POWDER)
Hazards Symbols:	XI O: Oxidizing
R Phrases:	8: Contact with combustible material may cause fire. 36/37/38: Irritating to eyes, respiratory system and skin.
S Phrases:	17: Keep away from combustible material. 26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. 37/39: Wear suitable gloves and eye/face protection

### 16) OTHER INFORMATION

All chemicals may pose unknown hazards and should be used with caution. This Material Safety Data Sheet (MSDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this MSDS. It shall be the users responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this MSDS is based on technical data judged to be reliable, Eskay Iodine Pvt. Ltd. assumes no responsibility for the completeness or accuracy of the information contained herein.

For ESKAY IODINE PVT. LTD.



AUTHORISED SIGNATORY