

**MATERIAL SAFETY DATA SHEET**

Product Name: Calcium iodate

CAS No.: 7789-80-2

Version: 0

**1. Identification**

**Product Code** : 92359  
**Company Name** : Advent Chembio Private Limited  
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**2. Hazards Identification****Hazard classification**

Oxidizing solids : Category 2  
Skin irritation : Category 2  
Eye irritation : Category 2  
Specific target organ toxicity - single exposure : Category 3

**Label elements****Hazard symbol**

**Signal word** : Danger

**Hazard statement** : May intensify fire; oxidiser.  
Causes skin irritation.  
Causes serious eye irritation.  
May cause respiratory irritation.

**Precautionary statement** : Keep/Store away from clothing/ combustible materials.  
Avoid breathing dust.  
IF IN EYES: Rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do. Continue rinsing.

**Other hazards which do not result in GHS classification** : None

**3. Composition/information on ingredients**

Ingredient	CAS No	Percent
Calcium iodate	7789-80-2	NLT 99.0%

**MATERIAL SAFETY DATA SHEET****Product Name:** Calcium iodate**CAS No.:** 7789-80-2**Version:** 0**4. First Aid Measures****Description of first aid measures**

- General advice** : Consult a physician. Show this safety data sheet to the doctor in attendance.
- Inhalation** : If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
- Skin contact** : Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.
- Eye contact** : Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
- Swallowed** : Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
- Most important symptoms and effects, both acute and delayed** : To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated., Prolonged exposure to iodides may produce iodism in sensitive individuals.Symptoms of exposure include: skin rash, running nose, headache and irritation of the mucous membrane.For severe cases the skin may show pimples, boils, hives, blisters and black and blue spots. Iodides are readily diffused across the placenta. Neonatal deaths from respiratory distress secondary to goiter have been reported. Iodides have been known to cause drug-induced fevers, which are usually of short duration.
- Indication of any immediate medical attention and special treatment needed Treatment** : No data available

**5. Fire fighting measures****Extinguishing media**

- Suitable extinguishing media** : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Special hazards arising from the substance or mixture** : Hydrogen iodide, Calcium oxide
- Advice for firefighters** : Wear self contained breathing apparatus for fire fighting if necessary
- Further information** : Use water spray to cool unopened containers.

**6. Accidental Release Measures**

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- Personal precautions, protective equipment and emergency procedures** : Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.
- Environmental precautions** : Do not let product enter drains.
- Methods and materials for containment and cleaning up** : Sweep up and shovel. Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations . Keep in suitable, closed containers for disposal.
- Reference to other sections** : For disposal see section 13.

**7. Handling and Storage**

- Precautions for safe handling** : Avoid contact with skin and eyes. Avoid formation of dust and aerosols.  
Provide appropriate exhaust ventilation at places where dust is formed. Keep away from sources of ignition  
- No smoking. Keep away from heat and sources of ignition.
- Conditions for safe storage, including any incompatibilities** : Store in cool place. Keep container tightly closed in a dry and well-ventilated place.
- Specific end use(s)** : No data available

**8. Exposure Controls Personal Protection****Control parameters****Components with workplace control parameters****Exposure controls**

**Appropriate engineering controls** : Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**Personal protective equipment**

**Eye/face protection** : Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin Protection Hand protection**

: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.  
Wash and dry hands.

**Body Protection**

: Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and

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**Respiratory protection** : amount of the dangerous substance at the specific workplace.  
: Respiratory protection is required.

**9. Physical and Chemical Properties**

**Appearance** : White powder  
**Odor** : No data available  
**pH** : No data available  
**Melting point/freezing point** : No data available  
**Initial boiling point and boiling range** : No data available  
**Flash Point** : No data available  
**Vapor pressure** : No data available  
**Vapor density** : No data available  
**Relative density** : 4.52 g/cm<sup>3</sup>  
**Solubility in water** : No data available  
**Solubility (other)** : No data available  
**Formula** : CaI<sub>2</sub>O<sub>6</sub>  
**Molecular Weight** : 389.88 g/mol

**10. Stability and Reactivity**

**Reactivity** : No data available  
**Chemical stability** : No data available  
**Possibility of hazardous reactions** : No data available  
**Conditions to avoid** : No data available  
**Incompatible materials** : Alcohols, Reducing agents, Phosphorus, Sulphur compounds, Copper, Aluminum  
**Hazardous decomposition products** : No data available

**11. Toxicological Information****Information on toxicological effects**

**Acute toxicity** : No data available  
**Skin corrosion/irritation** : No data available  
**Serious eye damage/eye irritation** : No data available  
**Respiratory or skin sensitization** : No data available  
**Germ cell mutagenicity** : No data available

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<b>Carcinogenicity</b>	: IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
<b>Reproductive toxicity</b>	: No data available
<b>Specific target organ toxicity - single exposure</b>	: Inhalation - May cause respiratory irritation.
<b>Specific target organ toxicity - repeated exposure</b>	: No data available
<b>Aspiration hazard</b>	: No data available
<b>Potential health effects</b>	
<b>Inhalation</b>	: May be harmful if inhaled. Causes respiratory tract irritation.
<b>Ingestion</b>	: May be harmful if swallowed.
<b>Skin</b>	: May be harmful if absorbed through skin. Causes skin irritation.
<b>Eyes</b>	: Causes serious eye irritation.
<b>Signs and Symptoms of Exposure</b>	: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated., Prolonged exposure to iodides may produce iodism in sensitive individuals.Symptoms of exposure include: skin rash, running nose, headache and irritation of the mucous membrane. For severe cases the skin may show pimples, boils, hives, blisters and black and blue spots. Iodides are readily diffused across the placenta. Neonatal deaths from respiratory distress secondary to goiter have been reported. Iodides have been known to cause drug-induced fevers, which are usually of short duration.

**12. Ecological Information**

<b>Toxicity</b>	: No data available
<b>Persistence and degradability</b>	: No data available
<b>Bioaccumulative potential</b>	: No data available
<b>Mobility in soil</b>	: No data available
<b>Other adverse effects</b>	: No data available

**13. Disposal consideration**

<b>Disposal instructions</b>	: Discharge, treatment, or disposal may be subject to national, state, or local laws.
<b>Contaminated packaging</b>	: Offer rinsed packaging material to local recycling facilities. Since emptied containers retain product residue, follow label warnings even after container is emptied.

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	UN No.	UN proper shipping name	Hazard Class(es)	Packaging group	Marine Pollutant
<b>DOT</b>	1479	Calcium iodate	5.1	II	Yes
<b>IMDG</b>	1479	Calcium iodate	5.1	II	Yes
<b>IATA</b>	1479	Calcium iodate	5.1	II	Yes

**15. Regulatory Information**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Safety, health and environmental regulations/legislation specific for the substance or mixture  
No Data Available.

**16. Other Information****Issue Date :01/08/2014****Version : 0**

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