

MSDS - Material Safety Data Sheet

Product Name: Iodine Crystal Ampoule

MSDS No.: A211C

I. Basic Information:

Manufacturer: Sirchie Finger Print Laboratories

Address: 100 Hunter Place

City, ST Zip: Youngsville, NC 27596

Country: USA

Contact: Tech Support

Information Telephone Number: 919-554-2244

Emergency Contact: ChemTrec

Emergency Telephone Number: 800-424-9300

Emergency Restrictions:

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Issue Date: 12/29/2011

Supersedes Date: Not Available

II. Hazards Identification:

EMERGENCY OVERVIEW

Oxidizer. May be harmful if inhaled, ingested, or contacted by skin or eyes. Respiratory irritant. May be corrosive to skin and eyes.

OSHA Regulatory Status

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Potential Health Effects

Route(s) of Entry:

Inhalation, ingestion, skin, eyes

Health Hazards (Acute and Chronic):

Acute: Skin burns

Chronic: Harmful if inhaled

Signs and Symptoms:

Skin: Inflammation, itching, scaling, reddening, blistering

Eyes: Inflammation, redness, watering, itching

Medical Conditions Generally Aggravated by Exposure:

Skin, eye, respiratory diseases

Other Health Warnings:

Not Available

Potential Environmental Effects

Prevent from entering sewers or waterways. May be harmful to some aquatic life.

III. Composition/Information on Ingredients:

Chemical Name	CAS No.	% Range	Trade Secret
Iodine	7553562	100	

IV. First Aid Measures:

Emergency and First Aid Procedures:

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Inhalation: Remove to fresh air. If breathing becomes difficult, give oxygen (To be administered by qualified medical personnel only!) If breathing stops, perform artificial respiration. Allow victim to rest. Seek medical attention.

Ingestion: If victim is conscious and alert, give large quantities of water or milk. (Never give anything by mouth to an unconscious person!) Induce vomiting. Lower the head so that the vomit will not re-enter the mouth and throat. Seek medical attention.

Skin: Wash with soap and water. Cover the affected area with an emollient. Seek medical attention.

Eyes: Rinse with plenty of water for 15 minutes and seek medical attention. DO NOT use an eye ointment.

Convulsions: Do not restrain the victim, but do remove objects with which they might injure themselves; or, orient the victim to prevent them from striking fixed heavy objects. If the convulsions cease, turn the victim on their side or face down, so that any fluid in the mouth can drain.

Note to Physicians:

Not Available

V. Fire Fighting Measures:

Suitable Extinguishing Media:

Use proper extinguishing media suitable for surrounding fire.

Unsuitable Extinguishing Media:

Wear self-contained breathing apparatus and protective clothing.

Products of Combustion:

Oxidizer--contact with combustible materials may cause a fire.

Protection of Firefighters:

Wear normal turnout gear.

VI. Accidental Release Measures:

Personal Precautions:

Wear dust respirator, safety goggles, and rubber gloves.

Environmental Precautions:

Prevent from entering sewers or waterways. May be harmful to some aquatic life.

Methods for Containment:

Prevent contact with combustible material. Stop leak if without risk. Dike if needed.

Methods for Cleanup:

Keep substance damp with water spray. Sweep up and place in bag or vacuum up with proper filter equipped instrument. Avoid creating dust.

Other Information:

Dispose according to local, state, and federal regulations.

VII. Handling and Storage:

Handling Precautions:

Avoid dust generation and accumulation. Avoid contact with skin and eyes. Do not ingest or breathe dust. Wash thoroughly after handling.

Storage Precautions:

Keep in closed container. Avoid ignition sources (heat, open flame, spark). Avoid incompatible materials. Use only in well-ventilated areas.

VIII. Exposure Controls/Personal Protection:

Chemical Name	OSHA PEL	ACGIH TLV	Other Limits
Iodine	1 mg/m3	1 mg/m3	0.1 mg/m3

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Engineering Controls:

Use only in well-ventilated areas.

Personal Protective Equipment:

Safety goggles, gloves, dust respirator, protective clothing

IX. Physical and Chemical Properties:

Boiling Point: 363.2 F

Boiling Range: Not Available

Solubility In Water: Very slightly

Flash Point: NE

Odor Threshold: Not Available

Vapor Density (AIR = 1): 8.8

pH Range: Not Available

Decomposition Temp: Not Available

Lower Explosive Limit: NE

Specific Gravity (H2O = 1): Not Available

Other Information: Not Available

Melting Point: 237.2 F

Freezing Point: Not Available

Evaporation Rate (Butyl Acetate = 1): NE

Flash Point Method: Not Available

Appearance and Odor: Appearance & Odor: Purple solid with dark metallic luster; strong characteristic odor

Vapor Pressure (mm Hg.): 0.305

Partition Coefficient: Not Available

Auto-ignition Temp: Not Available

Upper Explosive Limit: NE

X. Stability and Reactivity:

Stability:

Stable

Conditions to Avoid:

Heat, open flame, sparks, etc.

Incompatible Materials:

Combustible material, organic material, metals

Hazardous Decomposition Products:

Not Available

Possibility of Hazardous Reactions:

Does not occur.

XI. Toxicological Information:

Toxic - may be fatal if swallowed or inhaled. Corrosive, causes burns. Harmful by inhalation and through skin absorption. UK OES short-term 1 mg/m3 (0.1 ppm). Readily absorbed through skin. Very destructive of mucous membranes and upper respiratory tract, eyes and skin. Severe irritant. Sublimes at room temperature to yield dangerous levels of vapour. May cause sensitization. May cause damage to the unborn child.

XII. Ecological Information:

Prevent from entering sewers or waterways. May be toxic to some aquatic life.

XIII. Disposal Considerations:

Dispose according to local, state, and federal regulations pursuant to 40 CFR part 261 of the Resource Conservation & Recovery Act (RCRA).

XIV. Transport Information:

Shipping Name: Corrosive solids, toxic, n.o.s.

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DOT Hazard Class: 8

DOT Subsidiary Hazard Class: Not Available

UN/NA#: UN2923

Packing Group: II

Transportation Information:

Keep in closed container. Avoid ignition sources (heat, open flame, spark). Avoid incompatible materials. Avoid dust generation and accumulation. Avoid contact with skin and eyes. Do not ingest or breathe dust. Wash thoroughly after handling.

XV. Regulatory Information:

Iodine is listed on the TSCA inventory.

Iodine is hazardous by definition of OSHA Hazard Communication Standard (29 CFR 1910.1200).

XVI. Other Information:

- Chemical State:** Liquid Gas Solid
- Chemical Type:** Pure Mixture
- Hazard Category:**
- Acute Chronic Fire
- Pressure Reactive



Additional Manufacturer Warnings:

Using this product under normal, properly instructed procedures should not be hazardous.

3	Health
0	Flammability
0	Physical Hazard
F	Pers. Protection

Additional Product 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, expressed or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of the information for their particular purposes.