



## MATERIAL SAFETY DATA SHEET

### Section 1 – PRODUCT AND SAFETY SUPPLIER INFORMATION

Product Name: Iodine Crystals  
Common Name: Iodine  
Supplier: Lightning Powder Company, Inc.  
13386 International Parkway, Jacksonville, FL 32218  
Emergency Telephone: Chemtel® United States (800) 255-3924 International – 813-248-0585 (Collect)  
Date Prepared: November 13, 2002

### Section 2 – HAZARDOUS INGREDIENTS

<u>Ingredient</u>	<u>CAS#</u>	<u>Percent</u>	<u>PEL (OSHA)</u>	<u>TLV (ACGIH)</u>
Iodine	7553-56-2	100	1 mg/m <sup>3</sup>	0.1 mg/m <sup>3</sup>

### Section 3 – PHYSICAL/CHEMICAL PROPERTIES

Appearance and Odor: Bluish black scales or plates with metallic luster and sharp, characteristic odor.

Specific Gravity:	4.93	Stability in Water:	Very slightly soluble.
Boiling Point:	184 deg. C	Melting Point:	114 deg. C
Vapor Density:	8.8	Vapor Pressure (mmHg):	n/a
Evaporation Rate:	Unavailable	Percent Volatile:	Unavailable

### Section 4 – FIRE AND EXPLOSION DATA

Flash Point: n/a                      UEL: n/a                      LEL: n/a  
Extinguishing Media: Product is non-flammable  
Firefighting Procedures: Appropriate for surrounding fire and materials.  
Unusual Fire and Explosion Hazards: None





## **Section 9 – PRECAUTIONS FOR SAFE HANDLING AND USE**

Special Precautions: Keep container dry and away from heat and sources of ignition. Keep away from combustible material. Employ adequate ventilation to prevent dust formation. Do not ingest or inhale this product.

Storage Method: May corrode metallic surfaces. Store in a safety cabinet for corrosive materials. Package in amber glass bottles with plastic closures. Keep tightly sealed.

Maintain storage area below melting point of product.

## **Section 10 – TOXICOLOGICAL DATA**

Carcinogenicity:

NPT: No

OSHA: No

IARC: No

Acute Inhalation LC50: No data

Acute Dermal LD50: No data

Acute Oral LD50: 14000 mg/kg (rat)

## **Section 11 – ECOLOGICAL DATA**

The product itself and its products of degradation are not toxic.

## **Section 12 – TRANSPORTATION IDENTIFICATION**

Proper Shipping Name: Iodine (oxidizing material n.o.s.)

Identification Number: UN1479 Hazard Class: 5.1

Packing Group: II