

MSDS - Material Safety Data Sheet**Product Name: Iodine (LPF102, LPF02)****MSDS No.:** LPF102**I. Basic Information:****Manufacturer:** Sirchie Finger Print Laboratories**Address:** 100 Hunter Place**City, ST Zip:** Youngsville, NC 27596**Emergency Contact:** ChemTrec**Emergency Telephone Number:** 800-424-9300**Contact:** Tech Support**Information Telephone Number:** 919-554-2244**Last Update:** 01/27/2011**Expiration Date:****Chemical State:** Liquid Gas Solid**Chemical Type:** Pure Mixture

3	Health
0	Flammability
0	Reactivity
F	Pers. Protection

II. Ingredients: Trade Secret

CAS No.	Chemical Name	% Range	EHS		IARC		SARA		OSHA PEL	ACGIH TLV	Other Limits
			NTP		SUB Z	313					
7553562	Iodine	<100						1 mg/m3	1 mg/m3	0.1 mg/r	

III. Hazardous Identification:**Hazard Category:**
 Acute
 Chronic
 Fire
 Pressure
 Reactive
Hazardous Identification Information:

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

IV. First Aid Measures:**Route(s) of Entry:**

Inhalation, ingestion, skin, eyes

Health Hazards (Acute and Chronic):

Acute: Skin burns

Signs and Symptoms:

Skin: Inflammation, itching, scaling, reddening, blistering

Eyes: Inflammation, redness, watering, itching

Medical Conditions Generally Aggravated by Exposure:

Skin, eye, respiratory diseases

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.

Other Health Warnings:

V. Fire Fighting Measures:

Flash Point: NE

Lower Explosive Limit: NE

Upper Explosive Limit: NE

F.P. Method:

Fire Extinguishing Media: Use proper extinguishing media suitable for surrounding fire.

Special Fire Fighting Procedures:

Wear self-contained breathing apparatus and protective clothing.

Unusual Fire and Explosion:

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

VI. Accidental Release Measures:

Steps to be Taken in Case Material is Released or Spilled:

Wear dust respirator, safety goggles, and rubber gloves. Prevent contact with combustible material. Stop leak if without risk. Dike if needed. Keep substance damp with water spray. Sweep up and place in bag or vacuum up with proper filter equipped instrument. Avoid creating dust. Dispose according to local, state, and federal regulations.

VII. Handling and Storage:

Precautions to be Taken:

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

Other Precautions:

VIII. Exposure Controls/Personal Protection:

Ventilation Requirements:

Use only in well-ventilated areas.

Personal Protective Equipment:

Safety goggles, gloves, dust respirator, protective clothing

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IX. Physical and Chemical Properties:

Boiling Point: 363.2 F

Melting Point: 237.2 F

Evaporation Rate (Butyl Acetate = 1): NE

Vapor Pressure (mm Hg.): 0.305

Specific Gravity (H2O = 1):

Vapor Density (AIR = 1): 8.8

Solubility In Water: Very slightly

Appearance and Odor: *

Other Information: * Appearance & Odor: Purple solid with dark metallic luster; strong characteristic odor

X. Stability and Reactivity:

Stability:

Stable

Incompatibility (Materials to Avoid):

Combustible material, organic material, metals

Decomposition/By Products:

Hazardous Polymerization:

Does not occur.

XI. Toxicological Information:

Acute oral toxicity (LD50): 14000 mg/kg (Rat)

Extremely hazardous in case of skin contact (corrosive, irritant, sensitizer, permeator), of ingestion, of inhalation.

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.

XIV. Transport 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:

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

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