

# **MATERIAL SAFETY DATA SHEET**

MSDS No.: 5089  
Effective Date: 05/06/11

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## **SECTION 1-CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

PRODUCT NAME: LYNN PEAVEY IODINE FUMING STIX

PRODUCT NO.: 5089

IN CASE OF EMERGENCY: CALL CHEMTREC  
(800) 424-9300 (USA/North America)  
(703) 527-3887 (outside the US – collect calls accepted)

***LYNN PEAVEY COMPANY***  
***10749 WEST 84<sup>TH</sup> TERRACE***  
***LENEXA, KANSAS 66214-3612***  
***913-888-0600***  
***800-255-6499***  
***FAX 913-888-1066***

## **SECTION 2-COMPOSITION, INFORMATION ON INGREDIENTS**

<u>INGREDIENTS</u>	<u>CAS No.</u>	<u>PERCENT CONCENTRATION</u>
Iodine Crystals	7553-56-2	100 (ampule)

## **SECTION 3-HAZARD IDENTIFICATION**

### ACUTE HEALTH EFFECTS

DANGER! POISON. Highly toxic, may be fatal if inhaled, swallowed, or absorbed through skin. Corrosive, may cause burns, irritation or sensitization to skin, eyes and respiratory tract. Avoid breathing vapor and eye/skin contact.

### CHRONIC HEALTH EFFECTS

CARCINOGENIC POTENTIAL: NTP, IARC or OSHA regulates no component in this product as a carcinogen or potential carcinogen.

TARGET-ORGAN EFFECTS: Severe lachrymator. Prolonged exposure may effect the thyroid, gastrointestinal and endocrine functions.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Persons with pre-existing eye, skin, or respiratory disorders may be more susceptible to the effects of this substance.

NFPA RATING: Data not available.

HMIS RATING:	<u>Health</u>	<u>Flammability</u>	<u>Reactivity</u>	<u>Personal Protection</u>
	2-Moderate	0-None	2-Moderate	See Section 8.

## **SECTION 4-FIRST-AID MEASURES**

### PRIMARY ROUTES OF ENTRY / FIRST AID

INHALATION: Remove victim from exposure area to fresh air. Give oxygen if breathing is difficult. If not breathing, give artificial respiration. Seek medical attention immediately.

EYE/SKIN CONTACT: Flush eyes with water for at least 15 minutes. Wash skin with a mild soap and water. Seek medical attention if irritation or redness develops or persists. Discard contaminated clothing before reuse.

INGESTION: Wash out mouth with water provided person is conscious. Seek medical attention immediately.

## **SECTION 5-FIREFIGHTING MEASURES**

FLASH POINT:	<u>Iodine Crystals</u>
EXPLOSIVE LIMITS (LEL / UEL):	Data not available.
	Data not available.

EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, foam or water in flooding amounts as fog. Solid streams may not be effective.

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SPECIAL FIREFIGHTING PROCEDURES: Wear self-contained breathing apparatus and protective equipment.

UNUSUAL FIRE AND EXPLOSIVE DATA: Emits toxic fumes under fire conditions.

### **SECTION 6-ACCIDENTAL RELEASE MEASURES**

Wear protective clothing and equipment as specified in Section 8. Contain spill, scoop up and place in an appropriate, closeable waste container.

### **SECTION 7-HANDLING AND STORAGE**

Store in a clean, dry area away from excessive heat. Keep from freezing. Keep container tightly closed.

### **SECTION 8-EXPOSURE CONTROLS, PERSONAL PROTECTIVE**

EXPOSURE LIMITS	<u>Iodine Crystals</u>
OSHA PEL:	0.1 ppm
OSHA STEL:	Data not available.
OSHA TABLE Z-2 TWA:	Data not available.
OSHA CEILING:	Data not available.
ACGIH (TLV) TWA:	Data not available.
ACGIH STEL:	0.1 ppm
ACGIH CEILING TWA:	0.1 ppm
ORAL RAT LD50:	14 gm/kg

EYES: Chemical safety goggles or glasses.

GLOVES: Chemical-resistant gloves.

RESPIRATORY: Wear a self-contained breathing apparatus or respirator with approved NIOSH / MSHS cartridges.

VENTILATION: Mechanical exhaust, fume hood or chamber.

OTHER: Protective clothing as required. Wash hands and face before eating and drinking.

### **SECTION 9-PHYSICAL AND CHEMICAL PROPERTIES**

	<u>Iodine Crystals</u>
BOILING POINT:	184°C (363°F)
VAPOR PRESSURE (mm Hg @ 68°F):	0.3 @20°C (68°F)
VAPOR DENSITY(air=1):	8.8
WATER SOLUBILITY:	Slight water solubility; 0.03 g / 100 g water @ 20°C.
APPEARANCE AND ODOR:	Bluish-black crystals; metallic luster. Pungent odor.
MELTING POINT:	114°C (237°F)
SPECIFIC GRAVITY:	4.93
% VOLATILE BY VOLUME:	<1 @ 21°C
EVAPORATION RATE (ether =1):	Data not available.

### **SECTION 10-STABILITY AND REACTIVITY**

STABILITY: Stable.

INCOMPATIBILITY: Magnesium, zinc, ammonia and aluminum. Mixing Iodine with antimony and ammonia may result in an explosion. A violet reaction may occur with Iodine and acetaldehyde mixtures.

HAZARDOUS POLYMERIZATION: Data not available.

HAZARDOUS DECOMPOSITION PRODUCTS: Nature of decomposition products is not known.

CONDITIONS TO AVOID: Incompatible substances.

### **SECTION 11-TOXICOLOGICAL INFORMATION**

Toxicological data for this product has not been determined. Refer to Section 8 for exposure controls.

## **SECTION 12-ECOLOGICAL INFORMATION**

Environmental impact for this product has not been determined.

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## **SECTION 13-DISPOSAL INFORMATION**

Ensure compliance with all local, state, and federal regulations or contact an approved and licensed disposal agency.

## **SECTION 14-TRANSPORT INFORMATION**

US DOT:

Proper Shipping Name: Corrosive Solid, n.o.s. (Iodine)

Hazard Class or Division: 8

Identification Number: UN1759

ICAO:

Proper Shipping Name: Corrosive Solid, n.o.s. (Iodine)

Hazard Class or Division: 8

Identification Number: UN1759

## **SECTION 15-REGULATORY INFORMATION**

Iodine is subject to EPA TSCA reporting requirements.

## **SECTION 16-OTHER INFORMATION**

This information is believed to be correct, however no warranties are made with respect to this information and the Lynn Peavey Co. assumes no liability resulting from use. Make independent determinations of the suitability and completeness of information from all sources, to assure proper use and disposal of this product and personnel safety and health. Data for each component is specified where applicable, as mixtures have not been tested.



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