

# MATERIAL SAFETY DATA SHEET

Potassium Iodide Crystals

## SECTION 1 . Product and Company Identification

Product Name and Synonym: Potassium Iodide Crystals  
Product Code: 144-944  
Material Uses:  
Manufacturer: OFI Testing Equipment, Inc.  
11302 Steeplecrest Drive  
Houston, TX 77065 USA  
Phone: (713) 880-9885  
Fax: (713) 880-9886  
Entry Date : 5/5/2010  
Print Date: 7/28/2010  
24 Hour Emergency Assistance : Chemtrec 800-424-9300  
Canutec 613-996-6666

Health:	1			
Flammability:	0			
Reactivity:	0			
Hazard Rating:				
Least	Slight	Moderate	High	Extreme
0	1	2	3	4
NA = Not Applicable		NE = Not Established		

## SECTION 2 HAZARD IDENTIFICATION

May be harmful if swallowed. May cause irritation. Avoid breathing vapors, or dusts. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling.

Emergency Overview:Caution! May Cause Irritation to Skin, Eyes, and Respiratory Tract.

Inhalation:May Cause Irritation to the Respiratory Tract. Symptoms may Include Coughing and Shortness of Breath.

Ingestion:Large Oral Doses may Cause Irritation to the Gastrointestinal Tract.

Skin:May Cause Irritation with Redness and Pain.

Eye ContactMay Cause Irritation, Redness and Pain.

Chronic Exposure:Chronic Ingestion of Iodides may Produce "iodism," Which may be Manifested by Skin Rash, Running Nose, Headache and Irritation of Mucous Membranes. Weakness, Anemia, Loss of Weight and General Depression may also Occur.

Aggravated by Exposure:No Information Found.

## SECTION 3 MIXTURE COMPONENTS

SARA 313	Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
<input type="checkbox"/>	Potassium Iodide	CAS# 7681-11-0	100 %	W/W	TXDS: orl-hmn LDLo: 1862 mg/Kg

## SECTION 4 FIRST AID MEASURES

May be harmful if swallowed. May cause irritation. Avoid breathing vapors, or dusts. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling.

FIRST AID: SKIN: Wash exposed area with soap and water. If irritation persists, seek medical attention.

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EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen

INGESTION: If swallowed, induce vomiting immediately after giving two glasses of water. Never give anything by mouth to an unconscious person.

### SECTION 5 FIRE FIGHTING MEASURES

Fire Extinguisher Type: Water spray, Carbon dioxide, dry chemical, powder, foam.

Fire / Explosion Hazards: None Known.

Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

### SECTION 6 ACCIDENTAL RELEASE MEASURES

Sweep up and place in suitable (fiberboard) containers for reclamation or later disposal.

Ventilate area or Leak or Spill. Wear Appropriate Personal Protective Equipment as Specified in Section 8 Sweep up and Containeriz for Reclamation or Disposal. Vacuuming or Wet Sweeping may be Use to Avoid Dust Dispersal.

### SECTION 7 HANDLING AND STORAGE

Store in a cool, dry well ventilated area away from incompatible materials.

### SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: NIOSH/MSHA-approved respirator

Ventilation

Local Exhaust

Mechanical

Protective Gloves: Wear appropriate gloves to prevent skin exposure

Eye Protection: Eyeglasses or chemical safety goggles.

Other Protective Equipment: Wear appropriate clothing to prevent skin exposure

### SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Melting Point:	1256 deg F	Percent Volatile by Volume:	0
Boiling Point:	2426 Deg F	Evaporation Rate	1
Vapor Pressure:	Information not available	Evaporation Standard	
Vapor Density:	Information not available	Auto Ignition Temp	Not applicable
Solubility in Water:	Soluble in water	Lower Flamm. Limit in Air	Not applicable
Appearance /Odors:	White or colorless/odorless	Upper Flamm. Limit in Air	Not applicable
Flash Point:	93°C		

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Specific Gravity: 3.13

**SECTION 10 STABILITY AND REACTIVITY INFORMATION**

Stability: Stable  
Conditions to Avoid: Incompatible materials, light, moisture.  
Materials to Avoid: Salts of alkaloids, chloral hydrate, calomel, potassium chlorate, metallic salts, tartaric and other acids  
Hazardous Decomposition Products: Oxides of potassium, iodine  
Hazardous polymerization: Has not been reported  
Conditions to Avoid: None known

**SECTION 11 Toxicological Information**

Carcinogenic References: NTP Carcinogen - Known: No, IARC Category- None

**SECTION 12 Ecological Information**

No Information Found.

**SECTION 13 Disposal Considerations**

Whatever Cannot be Saved for Recovery or Recycling Shoul be Managed in an Appropriate and Approved Waste Disposal Facility. Processing, Use or Contamination of this Product may Change the Waste Management Options. State and Local Disposal Regulations may Differ from Federal Disposal Regulations. Dispose of Container and Unused Contents in Accordance with Federal, State and Local Requirements.

**SECTION 14 Transport Information**

DOT Classification: Not Regulated

DOT Regulations may change from time to time. Please consult the most recent D.O.T. regulations.

**SECTION 15 Regulatory Information**

Chemical Inventory Status –  
Part 1:Ingredient TSCA EC Japan Australia  
Potassium Iodide (7681-11-0))Yes Yes Yes Yes

Chemical Inventory Status –  
Part 2:Ingredient Korea DSL NDSL Phil.  
Potassium Iodide (7681-11-0)Yes Yes NO Yes

Federal, State & International Regulations –  
Part 1: Ingredient RQ TPQ List Chemical Catg.  
Potassium Iodide (7681-11-0)NO NO NO NO

Federal, State &  
International Regulations –  
Part 2:Ingredient CERCLA 261.33 8(d)  
Potassium Iodide (7681-11-0)

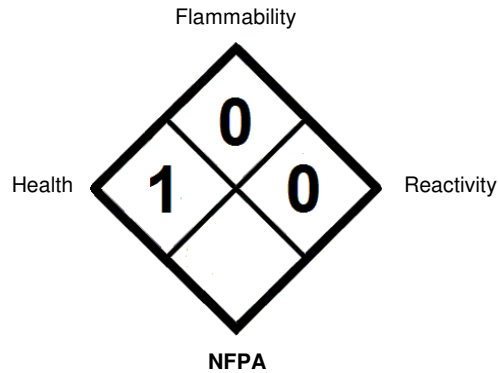
TSCA 12 (b):No  
CDTA:No  
SARA 311/312: Acute: Yes Chronic: Yes  
Fire: NO Pressure: No  
Reactivity: No PURE/SOLID)  
Australian Hazchem NONE ALLOCATED  
Poison Schedule:NONE ALLOCATED

**SECTION 16 Additional Information**

If material comes in contact with eyes or skin flush with water for 15 minutes. If ingested give 2-4 cups of milk or water, never give to an

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unconscious person. If inhaled remove to fresh air immediately, if not breathing give artificial respiration. For all seek medical attention. Ingestion has resulted in fetal death, severe goiter, and cretinoid appearance of the newborn. May cause respiratory tract infection. Chronic exposure can lead to iodism characterized to salivaiton, nasal discharge, sneezing, fever, laryngitis, bronchitis, stomatitis, and skin rashes. Persons with pre-existing disorders may be more susceptible.



### Revisions

7/26/2010

0.1

updated msds to 16 section from 10 section  
msds. STN

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