



**Material Safety Data Sheet**  
Potassium iodide, ACS

**Section 1 - Chemical Product and Company Identification**

**MSDS Name:**

Potassium iodide, ACS

**Catalog Numbers:**

LC19690

**Synonyms:****Company Identification:**

LabChem, Inc.  
200 William Pitt Way  
Pittsburgh, PA 15238

**Company Phone Number:**

(412) 826-5230

**Emergency Phone Number:**

(800) 424-9300

**CHEMTREC Phone Number:**

(800) 424-9300

**Section 2 - Composition, Information on Ingredients**

CAS#	Chemical Name:	Percent
7681-11-0	Potassium iodide	100

**Section 3 - Hazards Identification**

**EMERGENCY OVERVIEW**

*Appearance: Whitedeliquescent*

*This is expected to be a low hazard for usual industrial handling.*

*Target Organs: Noneknown.*

**Potential Health Effects****Eye:**

Dustmaycausemechanicalirritation.

**Skin:**

Dustmaycausemechanicalirritation.

**Ingestion:**

Mayactasaexpectorantanddiuretic.

**Inhalation:**

Maycauserespiratorytractirritation.



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#### Chronic:

Chronic exposure can lead to iodism characterized by salivation, nasal discharge, sneezing, conjunctivitis, fever, laryngitis, bronchitis, stomatitis, and skin rashes. Conjunctivitis and edema may occur. Repeated or prolonged exposure may cause dermatitis, laryngeal edema, serum sickness with lymph node enlargement, joint pain and swelling.

## Section 4 - First Aid Measures

#### Eyes:

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids until no evidence of chemical remains. Get medical aid at once.

#### Skin:

Get medical aid. Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Remove contaminated clothing and shoes.

#### Ingestion:

Get medical aid at once. If victim is unconscious, give 2-4 glasses of water and induce vomiting.

#### Inhalation:

Give artificial respiration if necessary. Get medical aid. Keep victim warm, at rest. Move victim to fresh air.

#### Notes to Physician:

Treat symptomatically and supportively.

## Section 5 - Fire Fighting Measures

#### General Information:

Negligible fire and explosion hazard when exposed to heat or flame. Move container if possible, avoid breathing vapors or dust.

#### Extinguishing Media:

For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam.

#### Autoignition Temperature:

No information found.

#### Flash Point:

No information found.

#### NFPA Rating:

CAS# 7681-11-0: Not published.

#### Explosion Limits:

Lower:      Upper:

## Section 6 - Accidental Release Measures

#### General Information:

Use proper personal protective equipment as indicated in Section 8.

#### Spills/Leaks:

Scoop material into suitable (plastic or glass) container, label for disposal. Area may be washed down with water.



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### Section 7 - Handling and Storage

**Handling:**

Wash thoroughly after handling. Avoid breathing dust, vapor, mist, or gas.

**Storage:**

Store capped at room temperature. Protect from heat and incompatibles.

### Section 8 - Exposure Controls, Personal Protection

**Engineering Controls:**

Provide local exhaust or general dilution ventilation.

**Exposure Limits**

Chemical Name:	ACGIH	NIOSH	OSHA
Potassium iodide	None of the components are on this list.	None of the components are on this list.	None of the components are on this list.

**OSHA Vacated PELs****Personal Protective Equipment****Eyes:**

Do not wear contact lenses when working with chemicals. An eye wash fountain should be available in the immediate work area. Wear dust-proof goggles.

**Skin:**

Wear appropriate protective gloves to prevent skin exposure.

**Clothing:**

Wear appropriate protective clothing to prevent skin exposure.

**Respirators:**

Not required for normal use. Firefighting--any self-contained breathing apparatus with full facepiece operated in pressure-demand mode.

### Section 9 - Physical and Chemical Properties

**Physical State:** Powder

**Color:** White deliquescent

**Odor:** Odorless

**pH:** 6.0-9.2 (5%)

**Vapor Pressure:** 1 mm Hg @745°C

**Vapor Density:** No information found.

**Evaporation Rate:** No information found.

**Viscosity:** No information found.

**Boiling Point:** 2426°F ( 1,330.00°C)

**Freezing/Melting Point:** 1258°F ( 681.11°C)

**Decomposition Temperature:** No information found.

**Solubility in water:** Soluble.



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Specific Gravity/Density: 3.1

Molecular Formula: KCl

Molecular Weight 74.5513

### Section 10 - Stability and Reactivity

#### Chemical Stability:

Stable under normal temperatures and pressures.

#### Conditions to Avoid:

Incompatible materials.

#### Incompatibilities with Other Materials

Bromine pentafluoride, chloride trifluoride, trifluoroacetyl hypofluorite, fluorine perchlorate gas, perchloric acid, alkali metals, strong oxidizing agents, diazonium salts.

#### Hazardous Decomposition Products

None.

#### Hazardous Polymerization

Has not been reported

### Section 11 - Toxicological Information

#### RTECS:

CAS# 7681-11-0: TT2975000.

#### LD50/LC50:

CAS# 7681-11-0:  
No information found.

#### Carcinogenicity:

CAS# 7681-11-0: Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65.

#### Epidemiology:

#### Teratogenicity:

#### Reproductive:

#### Mutagenicity:

#### Neurotoxicity:

### Section 12 - Ecological Information

No information found.



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**Section 13 - Disposal Considerations**

Dispose of in accordance with Federal, State, and local regulations.

**Section 14 - Transport Information**

**US DOT**

**Shipping Name:** Not regulated.

**Hazard Class:**

**UN Number:**

**Packing Group:**

**Section 15 - Regulatory Information**

**US Federal**

**TSCA**

CAS# 7681-11-0 is listed on the TSCA Inventory.

**SARA Reportable Quantities (RQ)**

None of the components are on this list.

**CERCLA/SARA Section 313**

None of the components are on this list.

**OSHA - Highly Hazardous**

None of the components are on this list.

**US State**

**State Right to Know**

**California Regulations**

**European/International Regulations**

**Canadian DSL/NDSL**

CAS# 7681-11-0 is listed on Canada's DSL List.

**Canada Ingredient Disclosure List**

CAS# 7681-11-0 is listed on Canada's Ingredient Disclosure List.

**Section 16 - Other Information**

MSDS Creation Date: November 21, 1998

Revision Date: July 31, 2008



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