



Material Safety Data Sheet Potassium Iodide Solutions, 0.5% - 25%

Section 1 - Chemical Product and Company Identification

MSDS Name:

Potassium Iodide Solutions, 0.5% - 25%

Catalog Numbers:

LC19700, LC19720, LC19740, LC19760, LC19780, LC19800, LC19810, LC19815

Synonyms:

None

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 or
011-703-527-3887

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name:	Percent
7732-18-5	Water	balance
7681-11-0	Potassium iodide	0.5-25

Section 3 - Hazards Identification

Emergency Overview

Appearance: Clear, colorless to slight yellow solution

Caution! May cause irritation to eyes, skin, and mucous membranes.

Target Organs: None

Potential Health Effects

Eye:

May cause eye irritation.

Skin:

May cause skin irritation.

Ingestion:

May be harmful if swallowed. May cause gastrointestinal irritation with nausea, vomiting, and diarrhea.

Inhalation:

May cause respiratory tract irritation.



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Chronic:

Tumorigenic effects have been reported in experimental animals. Experiments have shown reproductive toxicity effects on laboratory animals.

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:

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

Ingestion:

Get medical aid at once. Give conscious victim milk or starch solution (15g cornstarch/flour to 500ml water) to absorb any iodine. Milk every 15 minutes may relieve gastric irritation.

Inhalation:

Move to fresh air. If breathing is difficult, give oxygen. Get medical attention immediately if symptoms occur.

Notes to Physician:

Treat symptomatically and supportively.

Section 5 - Fire Fighting Measures

General Information:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Extinguishing Media:

Substance is noncombustible. Use agent most appropriate to extinguish surrounding fire.

Autoignition Temperature:

Not applicable

Flash Point:

Not applicable

NFPA Rating:

Health- 1, Flammability- 0, Instability- 0

Explosion Limits:

Lower: n/a Upper: n/a

Section 6 - Accidental Release Measures

General Information:

Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Absorb spill with inert absorbent such as sand, vermiculite, or diatomaceous earth, and transfer to suitable containers labeled for later disposal.



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Section 7 - Handling and Storage

Handling:

Wash thoroughly after handling. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.

Storage:

Keep containers tightly closed in a dry, cool and well-ventilated place.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls:

Facilities using or storing this material should be equipped with an eyewash and safety shower. Provide local exhaust or general dilution ventilation.

Exposure Limits:

Chemical Name:	ACGIH	NIOSH	OSHA
Water	None listed	None listed	None listed
Potassium iodide	None listed	None listed	None listed

OSHA Vacated PELs:

None.

Personal Protective Equipment

Eyes:

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133. Do not wear contact lenses when working with chemicals.

Skin:

Wear appropriate protective gloves to prevent skin exposure.

Clothing:

Wear appropriate protective clothing to prevent skin exposure.

Respirators:

Follow the OSHA respirator regulations found in 29 CFR 1910.134. Always use a NIOSH-approved respirator when necessary.

Section 9 - Physical and Chemical Properties

Physical State:	Liquid
Color:	Colorless to slight yellow
Odor:	Odorless
pH:	Neutral
Vapor Pressure:	Not available
Vapor Density:	Not available
Evaporation Rate:	Not available
Viscosity:	Not available
Boiling Point:	Not available
Freezing/Melting Point:	Not available
Decomposition Temperature:	Not available



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Solubility in water: Soluble
Specific Gravity/Density: 1.0 – 1.1
Molecular Formula: Not available
Molecular Weight: Not available

Section 10 - Stability and Reactivity

Chemical Stability:

Stable under normal temperatures and pressures.

Conditions to Avoid:

Incompatible materials, excess heat

Incompatibilities with Other Materials:

Halogenated fluorides, oxidizing agents

Hazardous Decomposition Products:

Hydrogen iodide, potassium oxide.

Hazardous Polymerization:

Has not been reported.

Section 11 - Toxicological Information

RTECS:

CAS# 7732-18-5: ZC0110000.

CAS# 7681-11-0: TT2975000.

LD50/LC50:

CAS# 7732-18-5:

Oral, rat: LD50 = >90 mL/kg.

CAS# 7681-11-0:

No information found.

Carcinogenicity:

CAS# 7732-18-5: Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65.

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

Epidemiology:

No information found

Teratogenicity:

Teratogenic effects have occurred in experimental animals.

Reproductive:

Experiments have shown reproductive toxicity effects on laboratory animals.

Mutagenicity:

Mutagenic effects have occurred in experimental animals.

Neurotoxicity:

No information found



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Section 12 - Ecological Information

No information found.

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# 7732-18-5 is listed on the TSCA Inventory.
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:

Not available

California Regulations:

None

European/International Regulations

Canadian DSL/NDSL:

CAS# 7732-18-5 is listed on Canada's DSL List.
CAS# 7681-11-0 is listed on Canada's DSL List.

Canada Ingredient Disclosure List:

CAS# 7732-18-5 is not listed on Canada's Ingredient Disclosure List.
CAS# 7681-11-0 is listed on Canada's Ingredient Disclosure List.



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Section 16 - Other Information

MSDS Creation Date: February 8, 1998

Revision Date: January 10, 2011

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