

MATERIAL SAFETY DATA SHEET
 Potassium iodide

Section 1 - Chemical Product and Company Identification

MSDS Name: Potassium iodide

Catalog Numbers: 19379-0000, 19379-0100, 19379-0500, 19673-0000, 19673-0025, 19673-5000, 37365-0000, 37365-1000, 37365-5000, 41826-0000, 41826-1000, 41826-5000

Synonyms:

Company Identification: Acros Organics BVBA
Janssen Pharmaceuticaaan 3a
2440 Geel, Belgium

Company Identification: (USA) Acros Organics
One Reagent Lane
Fair Lawn, NJ 07410

For information in the US, call: 800-ACROS-01

For information in Europe, call: +32 14 57 52 11

Emergency Number, Europe: +32 14 57 52 99

Emergency Number US: 201-796-7100

CHEMTREC Phone Number, US: 800-424-9300

CHEMTREC Phone Number, Europe: 703-527-3887

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name:	%	EINECS#
7681-11-0	Potassium iodide	99.995%	231-659-4

Hazard Symbols: None listed

Risk Phrases: None listed

Section 3 - Hazards Identification
EMERGENCY OVERVIEW

Not available

Potential Health Effects

Eye: Causes mild eye irritation.

Skin: May cause skin irritation. May be harmful if absorbed through the skin. May cause allergic sensitization in certain individuals.

Ingestion: May cause irritation of the digestive tract.

Inhalation: May cause respiratory tract irritation. May be harmful if inhaled. May cause respiratory sensitization.

Chronic:

Section 4 - First Aid Measures

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin:	Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.
Ingestion:	Get medical aid. Wash mouth out with water.
Inhalation:	Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.
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. Substance is noncombustible.
Extinguishing Media:	Use extinguishing media most appropriate for the surrounding fire.

Section 6 - Accidental Release Measures

General Information:	Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks:	Vacuum or sweep up material and place into a suitable disposal container. Avoid generating dusty conditions.

Section 7 - Handling and Storage

Handling:	Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes. Use only in a chemical fume hood.
Storage:	Store in a cool, dry place. Do not store in direct sunlight. Store in a tightly closed container.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls:	Use adequate ventilation to keep airborne concentrations low.
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Exposure Limits	CAS# 7681-11-0:
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Personal Protective Equipment

Eyes:	Wear chemical splash goggles.
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 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Physical and Chemical Properties

Physical State:	Solid
Color:	colorless or white
Odor:	odorless
pH:	6-8 (5% in water (20°C))
Vapor Pressure:	1mmHg @745 deg C
Viscosity:	Not available
Boiling Point:	1330 deg C @760mmHg (2,426.00°F)
Freezing/Melting Point:	680 deg C (1,256.00°F)

Autoignition Temperature: Not available
Flash Point: Not available
Explosion Limits: Lower: Not available
Explosion Limits: Upper: Not available
Decomposition Temperature: Not available
Solubility in water: 1.43 kg/l
Specific Gravity/Density: 3.130
Molecular Formula: IK
Molecular Weight: 166

Section 10 - Stability and Reactivity

Chemical Stability: Air sensitive. Moisture sensitive. Light sensitive.
Conditions to Avoid: Incompatible materials, light, moisture, exposure to air.
Incompatibilities with Other Materials: Strong oxidizing agents, oxidizing agents, strong reducing agents, alkali metals, aluminum, brass, bromine trifluoride, chlorine trifluoride, copper, magnesium, potassium chlorates, steel, zinc, ozone, tin, perchloryl fluoride, nickel, chloral hydrate, charcoal, metal salts, calomel.
Hazardous Decomposition Products: Hydrogen iodide, oxides of potassium.
Hazardous Polymerization: Will not occur.

Section 11 - Toxicological Information

RTECS#: CAS# 7681-11-0: TT2975000
LD50/LC50: RTECS: Not available. Other: Oral rat LD50 = 2779 mg/kg
Carcinogenicity: Potassium iodide - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.
Other: The toxicological properties have not been fully investigated. Mutagenicity: Ames-test: negative.

Section 12 - Ecological Information

Ecotoxicity: Fish: Rainbow trout: 3200 mg/l; 120 h; LC50

Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 - Transport Information

	IATA	IMO	RID/ADR
Shipping Name:	Not regulated.	Not regulated.	Not regulated.
Hazard Class:			
UN Number:			
Packing Group:			

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: Not available

Risk Phrases:

Safety Phrases:

S 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection)

CAS# 7681-11-0: 1

Canada

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

US Federal

TSCA

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

Section 16 - Other Information

MSDS Creation Date: 7/16/1996

Revision #2 Date 9/08/2005

Revisions were made in Sections: General revision.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.
