



SAFETY DATA SHEET

1. Identification:

Product Identifier: Potassium Iodide
Product code: BP2009
Synonym(s): Potassium salt, Iodic acid
Recommended use: Manufacture of other chemical products, professional, scientific, and technical activities.
Recommended restrictions: None known.

Manufacturer/Supplier/Distributor Information

Company name: Biopharm Inc.
Address: 187 South Tilley Road
Hatfield, AR 71945
Telephone: (870) 389-6114
Website: www.bphchem.com
E-mail: support@bphchem.com
Emergency phone number: Chemtrec 800-424-9300

2. Hazard(s) identification:

Classification: GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)
Acute toxicity, oral Category 4
Skin irritation Category 2
Eye irritation Category 2

Label elements:



Signal word: Caution
Hazard statement: Repeated or prolonged contact may cause skin rash, irritation of the respiratory tract, and headache. may be harmful if inhaled or swallowed. may trigger severe allergic reaction in some individuals.

Precautionary statement:

Prevention Avoid contact with eyes, skin, and clothing. Wear appropriate protective equipment. Avoid breathing dust. Avoid prolonged or repeated exposure. Use with adequate ventilation.
Response Wash thoroughly after handling.
Storage Store bottles tightly capped and upright. Keep in a cool place away from direct sunlight.
Disposal Dispose of waste and residues in accordance with local authority requirements.

Hazard(s) not otherwise classified (HNOC): None Known.

Supplemental information: None.

3. Composition/information on ingredients

Mixtures

<u>Chemical Name</u>	<u>CAS number</u>	<u>%</u>
Potassium Iodide	7681-11-0	100

4. First-aid measures

Inhalation:	Move to fresh air. Call a physician if symptoms develop or persist.
Ingestion:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.
Skin contact:	Wash with warm water and soap. Get medical attention if irritation develops and persists.
Eye contact:	Irrigate with cool running water. If irritation develops, obtain medical care.
Most important symptoms/effects, acute and delayed:	Direct contact with eyes may cause temporary irritation.
General information:	Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media:	Foam. Dry powder.
Unsuitable extinguishing media:	Do not use a heavy water stream.
Specific hazards arising from the chemical	None known.
Special protective equipment and precautions for firefighters	Wear approved self-contained protective clothing.
Fire-fighting equipment/instructions	Any media necessary for extinguishing the surrounding fire.

6. Accidental release measures

Personal precautions, protective equipment, and emergency procedures:	Keep unnecessary personnel away.
Methods and materials for containment and cleaning up:	Wash spill area with soap and water. Prevent further leakage or spillage if safe to do so. Never return spills to original containers for reuse. For waste disposal, see section 13 of the SDS.
Environmental precautions:	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

7. Handling and storage

Precautions for safe handling:	Avoid prolonged exposure. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities:	Store bottles tightly capped and upright. Keep in a cool place away from direct sunlight. Store away from incompatible materials.

8. Exposure controls/personal protection

Exposure Guidelines:

<u>Component</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>
Potassium iodide	TWA: 0.01 ppm	No data available

Engineering measures: Ensure that eyewash stations and safety showers are close to the workstation location. Ensure adequate ventilation, especially in confined areas.

Personal protective equipment:

Eye/face protection:	Wear protective eyeglasses or chemical safety goggles.
Skin and body protection:	Wear appropriate protective gloves and clothing to prevent skin exposure.
Respiratory protection:	In case of insufficient ventilation, wear suitable respiratory equipment.
Hygiene measures:	Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Appearance:	White Crystals / colorless
Odor:	Odorless
Odor threshold:	No data available.
Vapor Pressure (mm Hg):	No data available.
Vapor density (Air = 1):	No data available.
pH:	No data available.
Relative density:	No data available.
Melting point/freezing point:	No data available.
Solubility in Water:	Soluble
Boiling Point (°F):	1330 °C
Flash point:	No data available.
Evaporative Rate (H₂O = 1):	No data available.
Flammability (solid, gas):	Not applicable
Upper/lower flammability or explosive limits	
Flammability limit - lower	No data available.
Flammability limit - upper	No data available.
Explosive limit - lower	No data available.
Explosive limit - upper	No data available.
Partition coefficient: n-octanol/water	No data available.

Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	No data available
Other information:	
Specific Gravity (H₂O = 1):	3.123 g/cm ³
Percent Volatile by Volume:	No data available.

10. Stability and reactivity

Reactivity:	No additional information available
Chemical stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	Not established.
Conditions to avoid:	Sensitive to moisture and light.
Incompatible materials:	Strong oxidizing agents.
Hazardous decomposition products:	Hydrogen iodide.

11. Toxicological information

Information on likely routes of exposure:

Ingestion:	Poisonous upon ingestion.
Inhalation:	If inhaled, possible nuisance dust effect, coughing and sneezing.
Skin Contact:	May cause irritation to skin.
Eye Contact:	May cause irritation to the eyes.

Information on toxicological effects

Acute toxicity

<u>Component</u>	<u>LD50 Oral</u>	<u>LD50 Dermal</u>	<u>LC50 Inhalation</u>
Potassium iodide	2779 mg/kg (rat)	LD50 > 2000 mg/kg (Rat)	Not listed

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	May cause irritation to skin on contact.
Serious eye damage/irritation	May cause irritation to eyes on contact.
Respiratory Sensitization	No data available.
Skin sensitization	No data available.
Carcinogenicity	No component of carcinogen is listed by IARC, NTP, ACGIH or OSHA.
Mutagenic effects	No data available.
Reproductive effects	No data available.
STOT – single exposure	None known.
STOT – repeated exposure	Thyroid
Aspiration hazard	No data available.

Chronic effects No data available.

12. Ecological information

Ecotoxicity: Toxicity to fish.
Persistence and degradability: No data available
Bioaccumulation/Accumulation: No data available
Mobility in soil: No data available
Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Toxic to aquatic life.

13. Disposal considerations

Waste disposal methods: To be performed in compliance with all current local, state and federal regulations. Spills onto sand, soil, or other absorbent may be handled by placing the affected soil into approved containers then label and store for proper treatment or disposal.

14. Transport information

DOT: Not regulated as dangerous goods.

15. Regulatory information

U.S. Federal regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)	Not listed
U.S. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)	Not listed
CERCLA Hazardous Substances List (40 CFR 302.4)	Not listed

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard Categories Immediate Hazard – No
 Delayed Hazard – No
 Fire Hazard – No
 Pressure Hazard – No
 Reactivity Hazard – No

Other Federal regulations

Clean Air Act	Not applicable
Clean Water Act	Not applicable
California Prop 65	This product does not contain any Proposition 65 chemicals.

16. Other information, including date of preparation or last revision

Revision date August 18, 2023

Disclaimer

The statements contained herein are offered as informational data only and are believed to be correct. However, this product should be handled by person having related technical skills, and at their own discretion and risk. Since seller has no control over the use of this product, no warranty, expressed or implied, is made and seller assumes no liability in connection with any use of this information or from contact and/or handling of this product.