

Safety Data Sheet

1. Product and Company Identification

Product Name	:	POTASSIUM IODIDE SOLUTION
Catalog Number	:	PI-215
Company Information	:	PREMIER Lab Supply, Inc. 691 NW Enterprise Drive Port St Lucie, FL 34986 USA
Date Issued	:	JUNE 2014
Emergency Phone Number	:	772-873-1700
Business Phone Number	:	772-873-1700
Fax Number	:	772-873-1800

2. Hazard Identification

Emergency Overview:
Hazard Classification:

Category 2	:	Skin Irritation
Category 2A	:	Eye Irritation
Category 4	:	Acute toxicity, Oral

Safety Label Elements

Pictogram
Signal Word

Warning

Hazard Statements

H302	:	Harmful if swallowed
H315	:	Causes skin irritation
H319	:	Causes serious eye injury

Precautionary Statements

P264	:	Wash skin thoroughly after handling.
P270	:	Do not eat, drink or smoke when using this product.
P280	:	Wear protective gloves/ eye protection/ face protection.
P301 + P312	:	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P302 + P352	:	IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338	:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

3. Composition/Information on Ingredients

Ingredients	CAS Number	EC Number	Weight Percent
Potassium Iodide	7681-11-0	231-659-4	-

4. First Aid Measures

General Advice: Seek immediate medical advice with copy of the label and MSDS. Move out of dangerous area.
After Inhalation: Supply fresh air. If required, provide artificial respiration. Seek immediate medical advice.
After Skin Contact: Wash with soap and water and rinse thoroughly. Seek immediate medical advice.
After Eye Contact: Rinse opened eye for at least 15 minutes under running water. Seek immediate medical advice.
After Swallowing: Do not induce vomiting. Seek immediate medical advice. Rinse mouth with water.

5. Fire-Fighting Measures

Suitable Extinguishing Agents: Use water spray, dry chemicals or carbon dioxide
Protective Equipment: Wear self-contained respirator and fully protective impervious suit.
Hazardous Combustion Products: Under Fire Conditions Form – Potassium Oxides, Hydrogen Iodide

6. Accidental Release Measures

Person Precautions: Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation.
Environmental Protection: Do not allow material to be released to the environment without proper governmental permits.
Methods and Materials for Containment and Cleanup: Pick up and arrange disposal without creating dust. Keep in suitable closed container for disposal.

7. Handling and Storage Measures

Precautions for Safe Handling: Avoid contact with skin and eyes. Avoid dust and aerosol formation. Ensure good ventilation.
Condition for Safe Storage: Store in cool, dry place in tightly closed containers.

8. Exposure Controls and Personal Protection

Control Parameters:

Contains no substances with occupational exposure limit values

Personal Protective Equipment:

Respiratory Protection: For nuisance exposure use dust mask. Use masks and respirators tested and approved under appropriate government standards.

Hand Protection: Handle with gloves. Inspect gloves before use. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye Protection: For eye protection use safety glasses or face shield. Use masks and respirators tested and approved under appropriate government standards.

Skin and Body Protection: The type of equipment must be selected according to the concentration and amount the dangerous substance at the specific workplace.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

9. Physical and Chemical Properties

Appearance : Crystalline Powder
Odor : Odorless

Odor Threshold	:	No Data Available
pH	:	6.0-9 at 166 g/L at 25°C (77°F)
Melting Point/Freezing Point	:	681° C (1,024 °F)
Boiling Point	:	1,330° C (2,426 °F)
Flash Point	:	Not Applicable
Evaporation Rate	:	No Data Available
Explosion Limits(Upper/Lower)	:	No Data Available
Vapor Pressure	:	1 hPa (1mmHg) at 745°C (1,373°F)
Vapor Density	:	No Data Available
Relative Density	:	3.130 g/cm ³
Solubility	:	No Data Available
Partition Coefficient	:	No Data Available
Auto-Ignition Temperature	:	No Data Available
Decomposition Temperature	:	No Data Available
Viscosity	:	No Data Available

10. Stability and Reactivity

Reactivity	:	No Data Available
Chemical Stability	:	Stable under recommended storage conditions
Possibility of Hazardous Reactions	:	No Data Available
Condition to Avoid	:	Tin/Tin oxides
Incompatible Materials	:	Strong reducing agents
Hazardous Decomposition Products	:	Potassium Oxides, Hydrogen Iodide

11. Toxicological Information

Acute Toxicity:	Oral LD50	Dermal LD50	Other information of acute toxicity
Potassium Iodide	1,000 mg/kg	No Data Available	No Data Available
Skin corrosion/irritation	:	Irritating to Skin (Rabbit)	
Serious eye damage/eye irritation	:	Irritating to Eyes (Rabbit)	
Respiratory or skin sensitization	:	No Data Available	
Germ Cell mutagenicity	:	No Data Available	
Carcinogenicity	No classification data of levels greater than or equal to 0.1% on carcinogenic properties of this material is available from the IARC, NTP, OSHA or ACGIH.		
Reproductive toxicity	:	Exposure may result in fetal hypothyroidism	
Teratogenicity	:	No Data Available	
Specific target organ toxicity – single exposure	:	May cause respiratory irritation	
Specific target organ toxicity – repeated exposure	:	No Data Available	
Aspiration Hazard	:	No Data Available	

12. Ecological Information

Toxicity	:	LC50 2,190 mg/L 96h
Persistence and Degradability	:	No Data Available
Bioaccumulation potential	:	No Data Available
Mobility in Soil	:	No Data Available
Other Adverse effects	:	No Data Available

13. Disposal Considerations

Product	:	Contact a licensed professional waste disposal service to dispose.
Contaminated packaging	:	Dispose of as unused product

14. Transportation Information

DOT : Not dangerous goods
IMDG : Not dangerous goods
IATA : Not dangerous goods

15. Regulatory Information

Chemical Name	SARA 302	SARA 313	SARA 311/312 Hazards
Potassium Iodide	NO	NO	Acute Health Hazard, Chronic Health Hazard

Right to Know Act :

Massachusetts	Pennsylvania	New Jersey	California
Not subject to Right to Know Act	Potassium Iodide CAS-No. 7681-11-0	Potassium Iodide CAS-No. 7681-11-0	Does not contain chemical known to State of California to cause cancer, birth defects or any other reproductive harm

16. Other Information

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with the Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.