

# Safety Data Sheet

## 1. IDENTIFICATION:

**Product Name:** POTASSIUM IODIDE SOLUTION  
**Synonyms:** N/A  
**CAS Number:** Mixture  
**Catalog Numbers:** 10201 W2T12531 U28959  
**Product Use:** Analytical / Laboratory Reagent  
**Manufacturer:** HF Scientific, Inc  
**Address:** 3170 Metro Parkway Fort Myers, FL 33916

**General Information:** 888-203-7248  
**Transportation Emergency Number:** CHEMTREC® 24 hr US 800-424-9300  
CHEMTREC® 24 hr International 703-527-3887

## 2. HAZARDS IDENTIFICATION

### GHS Classification

Health	Environmental	Physical
Acute toxicity: Category 5 Eye irritation: Category 2B	Aquatic toxicity: None	Flammable: No

### GHS Label

Pictogram: None	Signal Word: WARNING
<b>Hazard Statements:</b> Harmful if swallowed Causes eye irritation	<b>Precautionary Statements</b> IF IN EYES flush with water for at least 15 minutes and get medical assistance

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	Cas Number	Weight %
Water	7732-18-5	95%
Potassium iodide	7681-11-0	5%

## 4. FIRST AID MEASURES

**Eye Contact:** Flush with water for at least 15 minutes and get medical assistance.  
**Skin Contact:** Remove contaminated clothing and wash with soap and water. Flush with water 15 to 20 minutes until chemical is gone.  
**Inhalation:** Remove to fresh air and get medical attention for any breathing difficulty.  
**Ingestion:** Give several glasses of water to dilute. If large amount were swallowed, get medical advice.

## 5. FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:** Use any means suitable for extinguishing the surrounding fire.  
**Fire Fighting Procedures:** Wear self contained breathing apparatus and protective clothing.  
**Unusual Fire and Exposure Hazards:** None  
**Combustion Products:** None  
**NFPA Classification HEALTH:** 1 **FLAMMABLE:** 0 **REACTIVITY:** 0

## 6. ACCIDENTAL RELEASE MEASURES

Ventilate area and absorb with sand, vermiculite or other dry absorbent. Dispose of properly.

## 7. HANDLING AND STORAGE

**Handling:** Wash well after handling. Avoid breathing vapors.  
**Storage:** Keep container tightly closed. Store in cool, dry, well ventilated area away from sunlight. Keep away from heat, acids, oxidizers. Wash thoroughly after handling.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Limits:** ACGIH Threshold Limit Value (TLV): 0.01ppm for Iodides (TWA)  
**Engineering Controls:** Not expected to require any special ventilation  
**Personal Protective Equipment:**  
**Eyes:** Use chemical safety goggles. Contact lenses should not be worn when working with this material. Maintain eyewash fountain and quick-drench facilities in work area.  
**Skin:** Protective gloves are recommended  
**Respiratory:** No expected to require personal respirator usage.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Flashpoint:** Not flammable  
**Autoignition Temperature:** Not flammable  
**Boiling Point:** Approximately 212°F  
**Melting Point:** 31°F  
**Vapor Pressure:** N/A

**Vapor Density:** Not determined  
**% Solubility in Water:** Miscible

**Pour Point:** N/a  
**Molecular Formula:** Mixture  
**Odor / Appearance:** Odorless and colorless liquid

**Lower Flammability Limit:** N/A  
**Upper Flammability Limit:** N/A  
**Specific Gravity:** 1.035  
**% Volatile:** N/A  
**Evaporation Rate (Water=1):** N/A  
**Viscosity:** N/A  
**Octanol / Water Partition Coefficient:** N/A  
**pH:** Not determined  
**Molecular Weight:** Mixture

## 10. STABILITY AND REACTIVITY

**Stability / Incompatibility:** Stable under ordinary conditions of use and storage. Solution can discolor in direct sunlight. Potassium iodide reacts violently or explosively with many fluorides, perchlorates, alkali metals, strong oxidants, diazonium salts.  
**Hazardous Reactions / Decomposition Products:** Fumes of iodine and potassium oxide may be release when heated to decomposition. Hazardous polymerization not known to occur.

## 11. TOXICOLOGICAL INFORMATION

**Symptoms of Overexposure:** Can irritate eyes, and mucous membranes. If swallowed, solution may cause gastrointestinal upset.  
**Acute Effects:** Can irritate eyes, and mucous membranes. If swallowed, solution may cause gastrointestinal upset.  
**Eye Contact:** Irritation of eyes  
**Skin Contact:** N/A  
**Inhalation:** Irritation of mucous membranes  
**Ingestion:** Irritation of mucous membranes  
**Target Organs Effects:** N/A  
**Chronic Effects:** Chronic exposure can cause thyroid adenoma, goiter, iodism, skin rashes, headaches, running nose, weakness, anemia, weight loss and general depression.  
**Medical Conditions Aggravated by Exposure:** N/A  
**Acute Toxicity Values:** N/A

## 12. ECOLOGICAL INFORMATION

**Environmental Fate:** Not determined  
**Environmental Toxicity:** Not determined

## 13. DISPOSAL CONSIDERATIONS

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

## 14. TRANSPORT INFORMATION

**US DOT (United States Department of Transportation):** Not regulated  
**IATA (International Air Transport Association):** Not regulated  
**IMO (International Maritime Organization):** Not regulated

## 15. REGULATORY INFORMATION

**CERCLA:** No  
**SARA/Title III:** No  
**TSCA Inventory:** No  
**Cal. Proposition 65:** No  
**WHMIS:** No  
**DSL:** Yes  
**NDSL:** No

## 16. OTHER INFORMATION

THE ABOVE INFORMATION IS BELIEVED TO BE ACCURATE AND REPRESENTS THE BEST INFORMATION CURRENTLY AVAILABLE TO US. ALL PRODUCTS ARE OFFERED IN ACCORDANCE WITH THE MANUFACTURER'S CURRENT PRODUCTION SPECIFICATIONS AND ARE INTENDED SOLELY FOR USE IN ANALYTICAL TESTING. THE MANUFACTURER SHALL IN NO EVENT BE LIABLE FOR ANY INJURY, LOSS OR DAMAGE RESULTING FROM THE HANDLING, USE OR MISUSE OF THESE PRODUCTS.