

Safety Data Sheet

1. IDENTIFICATION:

Product Name: POTASSIUM IODIDE GRANULES
Synonyms: N/A
CAS Number: 7681-11-0
Catalog Numbers: 10220 W2T15779 U23661
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 Skin irritation: Category 3 Eye irritation: Category 2B	Aquatic toxicity: None	Flammable: No

GHS Label

Pictogram: No Symbol	Signal Word: WARNING
Hazard Statements: May be harmful if swallowed May be harmful in contact with skin May be harmful if inhaled Causes mild skin irritation Causes eye irritation	Precautionary Statements IF INHALED remove to fresh air and get medical attention for any breathing problem. IF IN EYES flush with water for at least 15 minutes and get medical assistance.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	Cas Number	Weight %
Potassium Iodide	7681-11-0	100%

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. Get medical attention if irritation develops.
Inhalation: Remove to fresh air and get medical attention for any breathing difficulty.
Ingestion: Give several glasses of water and induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person.

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: N/A
Combustion Products: N/A
NFPA Classification HEALTH: 1 **FLAMMABLE:** 0 **REACTIVITY:** 0

6. ACCIDENTAL RELEASE MEASURES

Ventilate area of leak or spill. Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal.

7. HANDLING AND STORAGE

Handling: Wash well after handling. Avoid breathing vapors.
Storage: Keep in a tightly closed light-resistant container, stored in a cool, dry, ventilated area. Protect against physical damage. Isolate from incompatible substances. Prolonged storage is not recommended because of possible degradation problems, including yellowing of the potassium iodide product. Always inspect the potassium iodide's color and overall quality before use. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits: N/A
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: Latex or nitrile gloves and lab coat or apron
Respiratory: Not expected to require personal respirator usage.

9. PHYSICAL AND CHEMICAL PROPERTIES

Flashpoint: N/A
Autoignition Temperature: N/A
Boiling Point: 1330°C
Melting Point: 681°C
Vapor Pressure: 1 @ 745°C
Vapor Density: N/A
% Solubility in Water: 127.5 g/100 cc cold water, 208g/100 cc hot water
Pour Point: N/A
Molecular Formula: KI
Odor / Appearance: White odorless solid
Lower Flammability Limit: N/A
Upper Flammability Limit: N/A
Specific Gravity: 3.13
% Volatile: N/A
Evaporation Rate (Water=1): N/A
Viscosity: N/A
Octanol / Water Partition Coefficient: N/A
pH: N/A
Molecular Weight: 166.0

10. STABILITY AND REACTIVITY

Stability / Incompatibility: Stable under ordinary conditions of use and storage. On long exposure to air becomes yellow due to release of iodine. Incompatibilities: Potassium iodide reacts violently or explosively with many fluorides, perchlorates, alkali metals, strong oxidants and diazonium salts. Conditions to Avoid: Keep container tightly closed. Store in a cool, dry, ventilated area. Protect from physical damage and direct sunlight.
Hazardous Reactions / Decomposition Products: Fumes of iodine and potassium oxide may be released when heated to decomposition. Oxides of the contained metal and halogen, possibly also free or ionic halogen. Hazardous polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

Symptoms of Overexposure: May cause irritation to skin, eyes and respiratory tract.
Acute Effects: Can irritate eyes, skin and mucous membranes. If swallowed, solution may cause gastrointestinal upset.
Eye Contact: Irritation of eyes
Skin Contact: Irritation of skin
Inhalation: Irritation of respiratory tract and mucous membranes
Ingestion: Irritation of the gastrointestinal tract
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

Not regulated

15. REGULATORY INFORMATION

CERCLA: No
SARA/Title III: No
TSCA Inventory: No
Cal. Proposition 65: No
WHMIS: D2A, disclosure at 0.1% according to classification
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.