

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND CONTACT INFORMATION

Product Name: Halogen Trap Material

AR 610

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2. COMPOSITION/INFORMATION ON INGREDIENTS

CAS NO.	%W	CHEMICAL NAMES	OSHA PEL (mg/m3)	ACGIH TLV (mg/m3)	NIOSH TWA (mg/m3)
7681-11-0	100	Potassium Iodide	Not Given	Not Given	N/A

3. HAZARD IDENTIFICATION

POTENTIAL HEALTH EFFECTS

EYES: May cause eye irritation.

SKIN: May cause skin irritation.

INHALATION: Irritating to mucous membranes and upper respiratory tract.

INGESTION: Not available.

CHRONIC OVEREXPOSURE: May cause reproductive disorders based on tests with laboratory animals.

ACUTE OVEREXPOSURE: Not available.

MEDICAL CONDITIONS AGGRAVATED: May cause allergic, respiratory and skin reactions.

CARCINOGENICITY: None.

4. FIRST AID MEASURES

EYES: Flush with large amounts of water.

INHALATION: Removed from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

SKIN: Wash skin with plenty of soap and water. Wash contaminated clothing.

INGESTION: If swallowed, wash out mouth with water provided person is conscious.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

Non-flammable

Flash Point: None

Flammable Limits: (% by Volume in Air): Lower: None Upper: None

AUTO-IGNITION TEMPERATURE: N/A

HAZARDOUS COMBUSTION PRODUCTS: Hydrogen Iodide. May liberate toxic Iodine vapors under fire conditions.

EXTINGUISHING MEDIA: Use extinguishing media appropriate to surrounding fire conditions.

FIREFIGHTING INSTRUCTIONS: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

SMALL/LARGE SPILL: Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

7. HANDLING AND STORAGE

HANDLING: Do not breathe dust, avoid contact with skin and eyes. Do not use if skin is cut or scratched. Wash thoroughly after handling.

STORAGE: Keep tightly closed. Air, light and moisture sensitive. Store in a dry area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Local exhaust.

RESPIRATORY PROTECTION: NIOSH/MSHA respirator.

SKIN AND HAND PROTECTION: Chemical resistant gloves.

EYE AND FACE PROTECTION: Chemical safety glasses or goggles. Use only in a chemical fume hood.

OTHER PROTECTIVE EQUIPMENT: Safety shower and eye bath.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: white crystals.

BOILING POINT: 2488 F (1420 C)

FREEZE-MELT POINT: 1333 F (723 C)

VAPOR PRESSURE: 1 @ 1373 F (745 C)

VAPOR DENSITY: N/A

SOLUBILITY IN WATER: 127.5g/100 @ 32 F

SPECIFIC GRAVITY: 4.5

pH: 6-9 for a 5% solution

ODOR: None

PERCENT VOLATILES: N/A

EVAPORATION RATE: N/A

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable

INCOMPATIBILITY: Strong reducing agents, strong acids, steel, Aluminum, alkali metals, brass, Magnesium, Zinc, Cadmium, Copper, Tin and Nickel

HAZARDOUS DECOMPOSITION PRODUCTS: May decompose on exposure to light, air and moisture.

HAZARDOUS POLYMERIZATION: None.

11. TOXICOLOGICAL INFORMATION

Possible Teratogen.

12. ECOLOGICAL INFORMATION

None available.

13. DISPOSAL CONSIDERATION

Cautiously add to a large stirred excess of water. Adjust the pH to neutral, separate any insoluble solids or liquids and package them for hazardous waste disposal. Flush down the drain with plenty of water.

14. TRANSPORTATION INFORMATION

USA DOT: Not regulated

15. REGULATORY INFORMATION

US FEDERAL REGULATIONS

TSCA STATUS: On toxic Substance Control Inventory

CERCLA Reportable Quantity: None

RCRA Status: Not regulated

SARA TITLE III:

Section 302 Extremely Hazardous Substances: None

Section 311/312 Hazardous Categories: Acute, Chronic

Section 313 Toxic Chemicals: None

CANADAIN REGULATIONS

WHMIS: D2A

16. OTHER INFORMATION

SUPPLEMENTAL INFORMATION

The data and information as stated was furnished by the manufacturer/vendor &/or supplier of this product. Alpha Resources, Inc. cannot warrant the accuracy of this information and shall not be responsible or liable for any damage that may result, should any of the information be erroneous.

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