

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND CONTACT INFORMATION

Product Name: Halogen Scrubber

AR 351

Alpha Resources, Inc.
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2. COMPOSITION/INFORMATION ON INGREDIENTS

CAS NO.	%W	CHEMICAL NAMES	OSHA PEL (mg/m ³)	ACGIH TLV (mg/m ³)
961-68-2	>98	2,4-Dinitrodiphenylamine	None Listed	None Listed

3. HAZARD IDENTIFICATION

POTENTIAL HEALTH EFFECTS

EYES: Can be irritating.

SKIN: Can be irritating.

INHALATION: Can be irritating.

INGESTION: Can be irritating.

CHRONIC OVEREXPOSURE: None.

ACUTE OVEREXPOSURE: May be harmful by inhalation, ingestion or skin absorption. Causes eye and skin irritation. Material is irritating to mucous membranes and upper respiratory tract.

MEDICAL CONDITIONS AGGRAVATED: None.

CARCINOGENICITY: None.

4. FIRST AID MEASURES

EYES: Flush with large amounts of water for at least 15 min.

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.

INGESTION: Wash out mouth with water provided person is conscious. Call a physician.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

Non-flammable

Flash Point: Not available

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

AUTO-IGNITION TEMPERATURE: N/A

HAZARDOUS COMBUSTION PRODUCTS: Emits toxic fumes under fire conditions.

EXTINGUISHING MEDIA: Water spray, Carbon Dioxide, dry chemical or appropriate foam.

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

6. ACCIDENTAL RELEASE MEASURES

SMALL/LARGE SPILL: Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves. 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: Avoid contact and inhalation. Wash thoroughly after handling.

STORAGE: Keep container tightly closed. Store in a cool dry place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Mechanical exhaust required.

RESPIRATORY PROTECTION: Wear NIOSH/MSHA respirator.

SKIN AND HAND PROTECTION: Wear appropriate rubber gloves.

EYE AND FACE PROTECTION: Safety glasses with side shields.

OTHER PROTECTIVE EQUIPMENT: Safety shower and eye bath required.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: reddish orange granules

BOILING POINT: N/A

FREEZE-MELT POINT: 318-321 F (159-161C)

VAPOR PRESSURE: N/A

VAPOR DENSITY: N/A

SOLUBILITY IN WATER: soluble

SPECIFIC GRAVITY: N/A

pH: N/A

ODOR: None

PERCENT VOLATILES: N/A

EVAPORATION RATE: N/A

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable.

INCOMPATIBILITY: Strong oxidizing agents, strong bases, strong acids.

HAZARDOUS DECOMPOSITION PRODUCTS: Toxic fumes of Carbon Monoxide, Carbon Dioxide, Nitrogen Oxides.

HAZARDOUS POLYMERIZATION: None.

11. TOXICOLOGICAL INFORMATION

IVN-MUS LD50: 180 mg/Kg

12. ECOLOGICAL INFORMATION

None available.

13. DISPOSAL CONSIDERATION

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Dispose of in accordance with federal, state and local regulations.

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: None

Section 313 Toxic Chemicals: None

CANADIAN REGULATIONS

WHMIS: Not regulated

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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Prepared by: Ken Mantei