

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND CONTACT INFORMATION

Product Name: Iron (Powder, Accelerator, Standard)

AR 078, AR 077, AR 467, AR 673, AR 299, AR 300, AR 301, AR 302, AR 303, AR 304, AR 305, AR 306, AR 309, AR 310, AR 315, AR 318, AR 319, AR 322, AR 323, AR 468

Alpha Resources, Inc.
P.O. Box 199
Stevensville, MI 49127
Phone: 269-465-5559

2. COMPOSITION/INFORMATION ON INGREDIENTS

CAS NO.	%W	CHEMICAL NAMES	OSHA PEL (mg/m3)	ACGIH TLV (mg/m3)	NIOSH TWA (mg/m3)
7439-89-6	100	Iron	15	15	N/A

3. HAZARD IDENTIFICATION

POTENTIAL HEALTH EFFECTS

EYES: Iron in eyes causes rust rings in cornea associated with irritation, hyperemia of conjunctiva and inflammation.

SKIN: May cause irritation or dermatitis in some individuals upon prolonged contact.

INHALATION: May cause slight hazard from inhalation.

INGESTION: Not available.

CHRONIC OVEREXPOSURE: Not available.

ACUTE OVEREXPOSURE: Not available.

MEDICAL CONDITIONS AGGRAVATED: Not available.

CARCINOGENICITY: None.

4. FIRST AID MEASURES

EYES: Flush with large amounts of water.

INHALATION: Removed to fresh air immediately.

SKIN: Wash skin with plenty of soap and water. Vacuum off excess dust. Avoid blowing particulate into the atmosphere.

INGESTION: Induce vomiting with two water. Never give anything by mouth to an unconscious person. 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: Not available.

EXTINGUISHING MEDIA: Carbon Dioxide.

FIREFIGHTING INSTRUCTIONS: Strong heat, sparks or flame will initiate rapid oxidation, which in the presence of sufficient air, will proceed spontaneously to glow dull red. May ignite other combustibles. Excessive dust in air may present a moderate dust explosion hazard.

6. ACCIDENTAL RELEASE MEASURES

SMALL/LARGE SPILL: Scoop up while avoiding dust generation. Follow federal state and local regulations. Cleanup personnel should wear respirators and protective clothing.

7. HANDLING AND STORAGE

HANDLING: Avoid breathing dust. Use in a Nitrogen or Carbon Dioxide atmosphere.

STORAGE: Keep container closed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Use with adequate ventilation.

RESPIRATORY PROTECTION: Dust mask suggested.

SKIN AND HAND PROTECTION: None required.

EYE AND FACE PROTECTION: Safety glasses with side shields.

OTHER PROTECTIVE EQUIPMENT: As required.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: dull gray metal

BOILING POINT: 4982 F (2750 C)

FREEZE-MELT POINT: 2795 F (1535 C)

VAPOR PRESSURE: N/A

VAPOR DENSITY: N/A

SOLUBILITY IN WATER: Insoluble.

SPECIFIC GRAVITY:

pH: N/A

ODOR: None

PERCENT VOLATILES: N/A

EVAPORATION RATE: N/A

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable.

INCOMPATIBILITY: Moist air, acids or oxidizing agent, Chlorine Trifluoride, Chlorine Fluorine or Chlorine Dioxide and Phosphorous.

HAZARDOUS DECOMPOSITION PRODUCTS: None.

HAZARDOUS POLYMERIZATION: None.

11. TOXICOLOGICAL INFORMATION

No evidence of gross pathology.

12. ECOLOGICAL INFORMATION

None available.

13. DISPOSAL CONSIDERATION

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

CANADAIN REGULATIONS

WHMIS: Not regulated

16. OTHER INFORMATION

Hazard Indes: (0-4, 4= Extreme)

Health: 0 Fire: 1 Reactivity: 1

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.

Date Prepared: January 14, 2013

Prepared by: Ken Mantei