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

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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)
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.
MERDICAL 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 TERMERATURE: N/A
HAZARDOUS COMBUSTION PRODUCTS: Not available.

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

6. ACCIDENTAL RELEASE MEARURES

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
EVAORATION 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 11, 2013
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