

SAFETY DATA SHEET

Ref. Mat. DigiSizer W-13320 (Garnet)

Date of Preparation: 06/19/2014

SDS #: 004-16841-00MSDS

SECTION 1: IDENTIFICATION

Product Identification: Garnet (20 Gr)

(Fc, Mg) $3\text{Al}_2(\text{SiO}_4)_3$

CAS Number: 1302-62-1

Volumes: PS 11.0 UM

Recommended Use: Particle size reference material.

Restrictions: For laboratory use only.

Supplier Information:

Micromeritics Instrument Corp.
4356 Communications Drive
Norcross, GA 30093-2901 USA

Contact: Human Resources
Phone: (770) 662-3636
Fax: (770) 662-3696

Manufacturer: Barton Mines Company, LLC., PO Box 591, Lake George, NY 12845 **Phone:** (518) 709-5462
(7:30 AM – 5:30 PM EST) **FAX:** (518) 798-5728 **Emergency Phone:** (518) 798-5462 or (518) 251-2296

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification: Not Applicable

Signal word: Not Applicable

Hazard Statement:

H303: May be harmful if swallowed

Pictograms: Not Applicable

Precautionary Statements: Not Applicable

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient Name	CAS Number	% wt
Almadite and Pyrope Garnet	1302-62-1	94-99.6

Trace Impurities: 0.4 – 6% misc. trace minerals consisting of Hornblende, Magnetite, and Feldspar.

Ingredient	OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH
	TWA	STEL	TWA	STEL	TWA	STEL	IDLH
Almadite and Pyrope Garnet	none estab.	none estab.	10 mg/m ³	none estab.	none estab.	none estab.	none estab.

SECTION 4: FIRST-AID MEASURES

Inhalation: Remove to fresh air, if breathing is difficult administer oxygen, obtain medical assistance.

Eye Contact: Flush with large amounts of water, obtain medical assistance.

Skin Contact: Thoroughly wash exposed area with soap and water.

Ingestion: Obtain first aid, get appropriate in-plant, paramedic or community medical support.

SECTION 5: FIRE-FIGHTING MEASURES

Flammability Classification: Not relevant

Extinguishing Media: Use appropriate extinguishing media for surrounding fire.

Unusual Fire or Explosion Hazards: None

SECTION 6: ACCIDENTAL RELEASE MEASURES

Spill /Leak Procedures:

Spills: Sweep or vacuum up material for disposal or recovery.

Disposal: Dispose of in accordance with local, state, and federal regulations.

SECTION 7: HANDLING AND STORAGE

No special precautions necessary for normal handling and storage of the material.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:

Ventilation: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (Sec. 3). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

Administrative Controls: Recommend federally approved safety eyeglasses.

Respiratory Protection: Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear a MSHA/NIOSH-approved respirator.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Flash Point: Non-flammable solid.

Flash Point Method: Not relevant

Burning Rate: Not relevant

LEL: Not relevant

UEL: Not relevant

Physical State: Solid

Appearance: Red, pink, whitish grains or powders.

Odor Threshold: No odor.

Vapor Pressure: Not relevant.

Vapor Density (Air=1): Not relevant.

Formula Weight: Not relevant.

Density: Relevant

Specific Gravity (H₂O=1, at 4 °C): 3.9-4.1

pH: Not relevant.

Water Solubility: Not soluble in water.

Other Solubilities: Not relevant

Boiling Point: Not relevant.

Freezing/Melting Point: 1,315°C (2,399°F)

Viscosity: Not relevant

Refractive Index: 1.77 – 1.79

Surface Tension: Not relevant

% Volatile: Not relevant

Evaporation Rate: Not relevant

SECTION 10: STABILITY AND REACTIVITY

Stability: Garnet is stable in closed containers under normal storage and handling conditions.

Polymerization: Hazardous polymerization cannot occur.

Chemical Incompatibilities: None known.

Conditions to Avoid: Not relevant

Hazardous Decomposition Products: None known.

SECTION 11: TOXICOLOGICAL INFORMATION

None available.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: Not Available

Environmental Fate: Not Available

Environmental Degradation: Not Available

Soil Absorption/Mobility: Not Available

SECTION 13: DISPOSAL CONSIDERATIONS

No special precautions necessary for normal disposal.

SECTION 14: TRANSPORT INFORMATION

DOT Transportation Data (49 CFR 172.101):

Shipping Name: Not regulated

Shipping Symbols: Not Applicable

Hazard Class: Not regulated

ID No.: Not regulated

Packing Group: Not Applicable

Label: Not Applicable

Special Provisions (172.102):

Not Applicable

Packaging Authorizations

a) **Exceptions:** Not Applicable

b) **Non-bulk Packaging:** Not Applicable

c) **Bulk Packaging:** Not Applicable

Quantity Limitations

a) **Passenger, Aircraft, or Railcar:** Not Applicable

b) **Cargo Aircraft Only:** Not Applicable

Vessel Stowage Requirements

a) **Vessel Stowage:** Not Applicable

b) **Other:** Not Applicable

Canadian TDG Hazard Class & PIN – Not regulated

SECTION 15: REGULATORY INFORMATION

None available.

SECTION 16: OTHER INFORMATION

Prepared By: Zuniga, A.

Revision Notes: Not Applicable

Additional Hazard Rating Systems: Not Applicable

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