



experience,
trust, service

800-BLAST-IT
www.marcousa.com

Dallas, TX • Davenport, IA • Harrisburg, PA • Houston, TX • New Orleans, LA • Savannah, GA

Autofax #00093727
page 1 of 2

Updated: 02/26/07

MSDS SHEET - GARNET

I. Chemical Product & Company Identification

Product Name: Garnet Abrasives Grains and Powders
Chemical Formula: $(\text{Fe, Mg})_3 \text{Al}_2(\text{SiO}_4)_3$
CAS Number: 1302-62-1
Other Designations: Almandite and Pyrope Garnet
General Use: Industrial Abrasives
Manufacturer: Barton Mines Company, L.L.C.
PO Box 591
Lake George, NY 12845
Phone Numbers: (800) 252-7848
Fax Number: (563) 324-6258

II. Composition & Ingredient Information

| | Ingredient Name | ACGIH TLV TWA | CAS # | % Wt |
|---------------------|---------------------------|---------------------------------|-----------|------------|
| Primary Ingredient: | Almandite & Pyrope Garnet | 10 mg/m ³ total dust | 1302-62-1 | 94 - 99.6% |

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

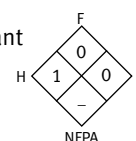
III. Physical & Chemical Properties

| | |
|---|---|
| Physical State: Solid | Appearance & Odor: Red, Pink, White Grains/Powders |
| Odor Threshold: No odor | Vapor Pressure: Not Relevant |
| Vapor Density (Air = 1): Not Relevant | Evaporation Rate: Not Relevant |
| pH: Not Relevant | Water Solubility: Not soluble in water |
| Other Solubilities: Not Relevant | Melting Point: 1315° C (2399° F) |
| Viscosity: Not Relevant | Mean Refractive Index: 1.77 - 1.79 |
| Specific Gravity (H₂O=1): 3.9 - 4.1 | Boiling Point: Not Relevant |

IV. Fire Fighting Measures

| | |
|---|--|
| Flash Point: Non-flammable solid | Flash Point Method: Not Relevant |
| Unusual Fire/Explosion Hazards: None | Flammability Classification: Not Relevant |
| LEL: Not Relevant | UEL: Not Relevant |

Extinguishing Media: Use appropriate extinguishing media for surrounding fire



V. Stability & Reactivity

Stability: Stable
Polymerization: Polymerization can not occur
Chemical Incompatibilities: None known
Hazardous Decomposition Products: None known

VI. Health Hazard Information

Acute Effects: (Effects of overexposure)
Inhalation: Dust may cause irritation of nasal and respiratory tract.
Eye: Dust may cause irritation
Skin: May cause abrasions
Ingestion: No known effects, however ingestion is not recommended
Medical Conditions Aggravated by Long-Term Exposure: Chronic respiratory disease may be aggravated by exposure to nuisance dust.

VI. Health Hazard Information Continued on page 2.

MSDS SHEET - GARNET

VI. Health Hazard Information - continued

EMERGENCY AND FIRST AID PROCEDURES

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

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

Skin Contact: Thoroughly wash exposed area with soap and water

Ingestion: Obtain first aid or medical assistance, if needed

Primary Route(s) of Entry: Inhalation, skin contact

VII. Spill, Leak & Disposal Procedures

Spills: Sweep or vacuum up material for disposal or recovery

Disposal: Dispose of in accordance with local, state and federal regulations. Material contaminated in use may require special disposal requirements.

VIII. Exposure Controls & Personal Protection

Ventilation: Provide sufficient mechanical (General and/or Local Exhaust) ventilation to maintain dust exposure below threshold limit value (TLV)

Respiratory Protection: If needed use a NIOSH/MSHA approved dust respirator, cartridge, or mask.

Eye Protection: Recommend federally approved safety eyeglasses.

Protective Gloves: As desired by user

IX. Special Precautions & Comments

Special Precautions: No special precautions necessary for normal handling and storage of the material

The information set forth herein is believed to be accurate but is not warranted with respect to the accuracy of the information or recommendations. Recipients are advised to confirm in advance of need that the information is current and applicable to their circumstances and usage.

This MSDS complies with 29 CFR 1910.1200.

Date of issue: September, 1998

X. Silicosis Warning

⚠ DANGER Breathing dust containing silica will cause silicosis, a fatal lung disease. Breathing dust during blasting operations will cause asbestosis, lead poisoning and/or other serious or fatal diseases. A NIOSH-approved, well-maintained, supplied-air abrasive blasting respirator must be used by anyone blasting, anyone handling or using the abrasive and anyone in the area of the dust. Harmful dust containing toxic material from abrasives or surfaces being blasted can remain suspended in the air for long periods of time after blasting has ceased. Failure to avoid the above danger will result in death or serious injury.

⚠ DANGER You must comply with all OSHA, local, City, State, Province, Country and jurisdiction regulations, ordinances and standards, related to your particular work area and environment. Keep unprotected individuals out of the work area. Failure to avoid the above danger will result in death or serious injury.

DISCLAIMER: The information in this MSDS was obtained from sources, which we believe are reliable. However, the information is provided without any representation or warranty, expressed or implied, regarding accuracy. These conditions or methods of handling, storage use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. Customers/users of silica must comply with all applicable health and safety laws, regulations and orders, including the OSHA Hazardous Communication Standard.



For more information call:

800-BLAST-IT

Phone: 800-252-7848

Fax: 563-324-6258

e-mail: sales@marcousa.com

www.marcousa.com

