

Garnet Abrasive Grains and Powders

This MSDS complies with the Hazard Communication Standard (CFR 29.1910.1200) and the Hazardous Products Act (R.S.C., 1985, c. H-3).

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Revision: 1

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PRODUCT AND COMPANY IDENTIFICATION

Product Name	Garnet Abrasive Grains and Powders
CAS Number	1302-62-1 Almandine Garnet 14808-60-7 Crystalline Silica, Quartz
Other names	Almandine garnet, ferro aluminium silicate
General use	Industrial abrasive

Manufacturer	Mohawk Garnet Inc.	
Contact Information	808 Highway 17 East Wahnapitae, Ontario P0M 3C0 Canada	Telephone: (705) 694-5783 Toll Free: (866) 642-7638 Emergency: Austin McMurdy (705) 626-1440 www.mohawkgarnet.com

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COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS Number	Proportion (weight %)
Almandine Garnet	1302-62-1	> 97%
Crystalline Silica, Quartz	14808-60-7	< 1.0%

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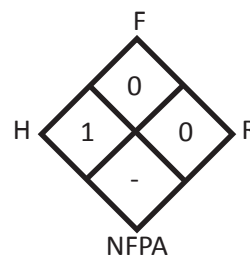
PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Angular grains	Water solubility	Not soluble in water
Appearance/odour	Pink to dark red	Other solubilities	Not relevant
Odour threshold	No odour	Boiling point	Not relevant
Vapour pressure	Not relevant	Melting point	1,315°C (2,399°F)
Vapour density (air=1)	Not relevant	Viscosity	Not relevant
Specific gravity (H₂O=1)	4.0 - 4.1	Mean refractive index	1.77 - 1.79
PH	Not relevant	Evaporation rate	Not relevant

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FIREFIGHTING MEASURES

Flash point	Non-flammable solid
Flash point method	Not relevant
LEL	Not relevant
UEL	Not relevant
Flammability classification	Not relevant
Extinguishing media	Use appropriate extinguishing media for surrounding fire
Unusual fire/explosion hazards	None



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5 STABILITY AND REACTIVITY

Stability	Stable
Polymerization	Polymerization cannot occur
Chemical Incompatibilities	None known
Hazardous Decomposition Products	None known

6 HEALTH HAZARD INFORMATION

Acute Effects (Effects of Overexposure)

Inhalation	Dust may cause irritation of nasal and respiratory tract.
Eye contact	Dust may cause irritation.
Skin contact	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.

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

7 SPILL, LEAK AND DISPOSAL PROCEDURES

Spill Procedure	Sweep or vacuum up material for disposal or recovery.
Disposal	Dispose of in accordance with local, provincial/state and federal regulations. Material contaminated in use may require special disposal procedures.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation	Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain dust exposure below the threshold limit value (TLV).
Respiratory protection	If needed, use a NIOSH/MSHA approved dust respirator, cartridge or mask.
Eye protection	Recommended federally approved safety glasses, goggles or face shield.
Skin protection	Use gloves made of leather, cotton or equivalent material.

9 SPECIAL PRECAUTIONS AND COMMENTS

No special precautions are needed for the 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 recommendation. Recipients are advised to confirm in advance of need that the information is current and applicable to their circumstances and usage. Variation from tested samples may occur. Because the information contained herein may be applied under conditions beyond our control, we assume no responsibility for its use.