

SAFETY DATA SHEETS

1- Identification of the substance /preparation and of the company/undertaking

Sample Name : LM Garnet
Other Names : Garnet sand, almandine garnet, 1.2-2.4mm,12/20mesh, 20/40 mesh, 30/60 mesh,60 mesh, 80 mesh, 120 mesh, 150 mesh
Recommended Use : blast cleaning abrasive, water jet cutting abrasive, water filtration media
Company Identification : Blasting Experts
Company Address : 343 Devonshire Terrace, L9G-4R1, Ancaster, Ontario
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2- Hazards Identification

Fatalness Grade : /
Hazard Symbols : /
Invasion Route : Ingestion
Health Hazards : Non Dangerous but Hazardous according to NOHSC: 1008(2004)
 The product as supplied contains traces of quartz (crystalline silica) which when used as an abrasive can break down to respirable dust size (particles small enough to go into deep parts of the lung when breathed in). Respirable crystalline silica is a listed carcinogenic substance which may cause silicosis and cancer.
Environment Hazards: Basically harmless to the environment.
Burn & burst Danger: Non-flammable.

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3 - Composition / Information on Ingredients

Substance ☐Mixture ☐

Component/Substance	% by wt	CAS Number	EC Number
Almandine Garnet $\text{Fe}_3\text{Al}_2(\text{SiO}_4)_3$	Greater than 97%	1302-62-1	/
Ilmenite FeTiO_3	Less than 1.0%	103170-28-1	/
Zircon ZrSiO_4	Less than 0.2%	149040-68-2	/
Quartz SiO_2 (Crystalline Silica)	Less than 0.2%	14808-60-7	/

4 - First Aid Measures

- Skin Contact** : There are no known health effects from skin contact that may occur during normal handling. Seek medical attention if symptoms develop. Contact with material under pressure will damage skin by abrasion. Clean and dress any open wounds and seek medical attention. Inhaled: Exposure to dust created by use as a blast cleaning media may cause throat and lung irritation, coughing or shortness of breath. Move to fresh air and blow nose to remove particulates from nasal passages. Seek medical attention if symptoms persist.
- Eye Contact** : Particle and dust exposure may cause eye irritation due to abrasiveness. Flush with plenty of clean water for at least 15 minutes or until particles are removed. Seek medical attention if irritation or soreness persists.
- Swallowed** : Non toxic. There are no known health effects resulting from accidental ingestion of small amounts that may occur during normal handling. Ingestion of larger amounts may cause irritation due to abrasiveness. Seek medical attention if symptoms develop.

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5 - Fire-Fighting Measures

Flammability	: Non-flammable.
Flashpoint	: Non-explosive.
General Hazard	: This product is non-flammable and does not support combustion.
Extinguishing Media	: Use media suitable for the material that is burning.

6 - Accidental Release Measures

Emergency treatment: No special precautions necessary. Wear safety equipment as for normal handling. If possible, vacuum the material to avoid generating unnecessary dust, otherwise, sweep any spillages.

7 - Handling and Storage

Handling	: No special precautions necessary.
Storing Notes	: Storage areas should be ventilated and dust generation minimised when handling loose bulk product. Use good housekeeping practices to keep dust to a minimum.

8 - Exposure Controls / Personal Protection

Crystalline silica (quartz)	: respirable dust: 0.1 mg/m ³ TWA (time weighted average) may be exceeded when the product is used for dry blast cleaning (respirable dust is ≤ 7 microns particle equivalent aerodynamic diameter)
Total dust (inspirable)	: 10 mg/m ³ TWA
Engineering Controls	: Maintain ventilation and/or dust collection to reduce exposure to dust generated during handling, use and clean-up. Maintain a clean and safe work environment and monitor effectiveness.
Personal Protection	: Follow local, state or federal guidelines for the use of personal protection equipment. Blast cleaning operations should use an air fed abrasive blast hood conforming with Australian Standards 1715 and 1716, such as a Nova 2000, as well as leather (or equivalent) gloves and apron when in use. Hearing protection should also be worn when blast cleaning.

9 - Physical and Chemical Properties

Appearance	: Pink/Red/Brown/black Solid sand.	Odor	: Odourless
PH	: 7.0 to 8.5	Vapour Pressure	: Not applicable.
Boiling Point	: Not applicable.	Melting Point	: 1300°C
Radioactivity	: Not detectable above background levels.	Solubility in Water	: Insoluble.
Specific Gravity	: 3.9- 4.1	Flammability	: Non-flammable.
Hardness	: 7.5 – 8.0 Mohs	Bulk Density	: 1.9-2.4 t/m ³
Particle Size	: depending on grade.		:

10 - Stability and Reactivity

Chemical Stability	: Stable and inert material under normal and anticipated storage, handling and use conditions.
Conditions to Avoid	: None known.
Incompatible Materials	: None known.
Decomposition	: Not applicable.
Hazardous Reactions	: None known.

11 - Toxicological Information

Acute Toxicity	: No specific data for the product	Irritation	: No specific data for the product
Mutagenicity	: No specific data for the product	Allergenicity	: No specific data for the product
Reproductive Toxicity	: No specific data for the product	Carcinogenicity	: No specific data for the product

12 - Ecological Information

Ecotoxicity : No data available
Persistence And Degradability: No data available
Bioaccumulative Potential : No data available
MobilityIn Soil : No data available
Other Harmful Effects : No data available

13 - Disposal Considerations

Nature Of Waste : /
Waste Disposal Methods : Should refer to national and local regulations prior to disposal.
Attention Abandoned : No

14 - Transport Information

UN Number : /
Shipping Name : No
Classification : /
Packaging Group (if applicable) : No
Transport Attentions : Shipment to complete the packing, loading should be safe.
 With no oxidant mixed mixed transport. Transportation should prevent insolation, rain, high temperature resistant.

15 - Regulatory Information

Regulatory Information: ISO 11014-2009

Safety data sheet for chemical products - Content and order of sections

GB/T 16483-2008

Safety data sheet for chemical products—Content and order of sections

GB 13690-2009

General rule for classification and hazard communication of chemicals

National Hazardous Waste List

GHS - Globally harmonized system of classification and labeling of chemicals, third revised edition.

16 - Other Information

Date : Oct. 23, 2017

Data Audit Units: EMTEK (SUZHOU) CO., LTD

Abbreviation : EC European Inventory of Existing Commercial chemical Substances CAS :
Chemical Abstracts Service (division of the American Chemical Society)

Term : NA : Not applicable

Other Information: The above information based on accurate data, because this information may be applied under conditions beyond our control, or is modified, and we do not bear any responsibility. This information determines the purpose of the case of proprietary materials and configurations in the recipient.

Declaration : Report EG171016103C01MVer.1 was repealed and replaced by EG171016103C01MVer.2

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