



Material Safety Data Sheet-GAR

Material Garnet

1 Identification of Substances / Undertaking	
Trade name	Garnet Sand
Company	Lianyungang Longmai Mining Co.,Ltd
Address	A-604#,No.22 Chaoyang East Rd, Lianyungang city,Jiangsu Pr,China
Tel	0086-518-85476866
Fax	0086-518-85164019
2 Composition / Information on Ingredients	
Type	Almandite Garnet
LM Garnet is a natural mixture of almandite garnet with the chemical composition of $Fe_3Al_2Mg(SiO_4)$ and other trace minerals as per CAS No. for Almandite garnet 1302-62-1.	
Garnet	>90%
Ilmenite	<1%
Quartz(No free silica)	<0.5%
Light mineral	<1%
Other	0.5%
3 Hazard Identification	
None	
4 Accidental Release Measures	
Personal Precaution	Non-hazardous
Environmental Precaution	Non-hazardous
5 Handling and Storage	
Precautions for Handling -	No special instructions
Measures to protect against	Do not store near a heat source
Storage	Store in a dry place
6 Physical and Chemical Properties	
Appearance	Granular/Solid
Colour	Deep Red

Odour	None	
Bulk Density	1.85T/m ³	
Specific Gravity	1.88g/cm ³	
Meltingpoint	1300°C	
Hardness	Mohs 7.5	
Silica SiO ₂	38.42%	
Iron(Fe ₂ O ₃ +FeO)	28.21%	
Alumina Al ₂ O ₃	18.43%	
Calcium CaO	8.9%	
Magnesium MgO	5.2%	
7 Stability and Reactivity		
Material is a stable natural mineral,so it requires no special handing		
Materials to Avoid	None	
Incomparability(Materials to avoid)	None known	
Hazardous Polymerization	No occur	
8 Health Hazard Data		
Inhalation	None	
Skin	None	
Ingestion	None	
Carcinogenicity NTP	0.4% free silica	
9 Disposal Considerations		
Dispose to an authorized landfill site		
Preparation Recommendations The material is not considered hazardous		
10 Emergency and First Aid procedures		
Eye Contact	Wash eyes with water to flush out dust particles	
Skin Contact	Wash affected area with soap and water.	
11 Regulatory Information		
Labeling	Not classified as hazardous	
12 Other Information		
Safety Sheet issued by Lianyungang Longmai Mining Co.,Ltd		
All information provided herein is based on our present knowledge and experience and describes our product with regard to its safety requirements. Users should satisfy themselves that the information provided complies with National Regulations. This is not to be considered as an assurance of properties or a description of quality of the product.		