

**V.V.MINERAL**

ISO 9001 COMPANY

Material Safety Data Sheet

- ▶ [Hazardous Ingredients / Identity Information](#)
- ▶ [Physical and Chemical characteristics](#)
- ▶ [Fire and Explosion Hazard Data](#)
- ▶ [Reactivity Data](#)
- ▶ [Health Hazard Data](#)
- ▶ [Precautions for safe handling and Use](#)
- ▶ [Control Measures](#)

SECTION I

HAZARDOUS INGREDIENTS / IDENTITY INFORMATION			
Product/Chemical Name	4.1 g/cm ³		
Manufacturer's Name	V.V.Minerals		
Address			
City	Keeraikarantattu, Tisaiyanvilai		
State	Tamilnadu		
Port	Tuticorin		
Country	INDIA		
Pin	627 657		
Phone no	00 91 4637 271202 / 302		
Fax	00 91 4637 271802		
E-Mail	vvmindia@vvmineral.com		
Sg.	Super Garnet is a natural mixture of Almandine garnet - Fe ₃ Al ₂ (SiO ₂) with Mg and Mn in partial substitution for Fe in the formula and other minerals. The following substances are present.		
Substances	Wt%	Limit In Use	Remarks
Crystalline Silica	<0.5%	0.10 Mg/cu.m	If these levels are exceeded
Respirable dust	NA	5 Mg/cu.m	Respiratory
Nuisance dust	NA	15Mg/cu.m	Must be applied.

SECTION II

PHYSICAL AND CHEMICAL CHARACTERISTICS	
Melting Point	1320c
Specific Gravity (H₂O = 1.0)	4.0 to 4.5
Solubility in Water	Non-soluble
Appearance and Odour	Reddish brown, no odour
Physical State	Solid
Viscosity	Not Applicable
Boiling Point	Not Applicable

SECTION III

FIRE AND EXPLOSION HAZARD DATA	
Flammability	Non - Flammable Solid
Flash Point (Method used)	NA
Material is non-flammable solid	NA
LEL - Not Applicable	NA
UEL - Not Applicable	NA
Extinguishing Media	Use appropriate extinguishing media for the surrounding fire

SECTION IV

STABILITY & REACTIVITY DATA	
Stability	Stable
Polymerization - Incompatibility	Can not occur None known
Hazardous Decomposition or By Products	None known

SECTION V

HEALTH HAZARD DATA			
Route(s) of Entry	Inhalation?	Skin?	Ingestion?
	Possible	None	None
Health Hazards (Acute and Chronic)	None Known. Use care to limit possible exposure to nuisance dust during blast cleaning.		
Carcinogenicity	Crystalline Silica (Quartz) contains less than 0.5%		
Signs and Symptoms of Exposure	Exposure to nuisance dust may cause eye, throat or lung irritation, coughing or shortness of breath.		
Medical Conditions Generally Aggravated by Exposure	Chronic bronchitis, emphysema and other lung diseases may be aggravated by exposure to nuisance dust.		
Emergency and First Aid Procedures	<p>Eye Contact: Wash eyes with water to flush out dust particles.</p> <p>Skin Contact: Wash affected area with soap and water.</p> <p>Ingestion : Obtain first aid or medical assistance, if needed.</p> <p>Inhalation : Remove to fresh air, if breathing is difficult, administer oxygen, obtain first aid, if needed</p>		

SECTION VI

PRECAUTIONS FOR SAFE HANDLING AND USE	
Steps to be Taken in Case Material is Released or Spilled	No special precautions are necessary. Sweep or Vacuum material for disposal. Prevent generation of dust during clean up.
Waste disposal Method	Follow local, state and federal guidelines for disposal of inert solid waste. MATERIAL CONTAMINATED IN USE MAY REQUIRE SPECIAL HANDLING
Precautions to be Taken in Handling and Storing	NONE - Use good house keeping practices to reduce dust, use approved hand, eye, and respiratory protection when handling material.
Other precautions	Use material only for the purpose intended, and incorporate methods of dust control to maintain airborne dust within federal or local TLV limits.

SECTION VII

CONTROL MEASURES			
Respiratory Protection (Specify Type)	NIOSH/MSHA-approved filters and air supplied hoods for blasters.		
	Ventilation	Local Exhaust	Special
	YES	Use when blast cleaning Mechanical (General)	None Other
		Meet dust TLV.	None
Protection Gloves	Leather gloves, leather cabs and paper mask.		
Eye Protection	Recommend safety glasses with side shields approved by Federal.		
Other Protective Clothing or Equipment	Normal Safety protection is adopted		
Work/Hygienic Practices	Maintain a clean and safe work environment and monitor work practices.		

SECTION VIII

SPECIAL COMMENTS & PRECAUTIONS:
The above said information is believed to be accurate but is not warranted with respect to the accuracy of the information or recommendations. The users are advised to confirm in advance of the need that the information is current and applicable to their circumstances and usage.
Date of Revision: 1-08-2009