



## MATERIAL SAFETY DATA SHEET

Not classified as hazardous according to criteria of Worksafe Australia

### IDENTIFICATION

<b>Product Name:</b>	<b>Garnet</b>	<b>UN Number:</b>	None allocated
<b>Trade Name:</b>	ABSS Garnet	<b>Dangerous Class/</b>	
<b>Other Names:</b>	None	<b>Subsidiary Risk:</b>	Not relevant
<b>Manufacture Code:</b>	<b>8-GARNETABSS</b>	<b>Hazchem Code:</b>	None allocated
		<b>Poisons Schedule No:</b>	None allocated
<b>Use:</b>	Surface preparation by impact blasting		

### PHYSICAL CHARACTERISTICS/PROPERTIES

<b>Appearance:</b>	Deep Red to Reddish Brown, odourless rough grit		
<b>Size Ranges:</b>	#40/20 (0.42 - 0.85mm)	#60/30 (0.25 - 0.60mm)	
<b>Specific Gravity:</b>	4.1 g/cc		
<b>Bulk Density:</b>	2.3T/CuM		
<b>Hardness:</b>	8.0 Mohs		
<b>Mineral:</b>	Almandine		

### OTHER CHARACTERISTICS/PROPERTIES

<b>Conductivity:</b>	10ms/m		
<b>Corrosiveness:</b>	Non corrosive		
<b>Radioactivity:</b>	Non detectable		
<b>Moisture Absorption:</b>	Non Hygroscopic, Inert		
<b>Total Chlorides:</b>	25PPM Max		
<b>Free Silica:</b>	None		
<b>Pathological Effects:</b>	None		
<b>Free Flow:</b>	90% Minimum		

## CHEMICAL COMPOSITION

<b>ALUMINA:</b>	21%
<b>IRON:</b>	31%
<b>SILICA:</b>	36%
<b>MAGNESIUM:</b>	8%
<b>CALCIUM:</b>	1.5%
<b>TITANIUM:</b>	1%
<b>MANGANESE:</b>	0.5%
<b>OTHER METALS:</b>	Less than 0.01%

## MINERALOGICAL COMPOSITION

<b>Garnet Almandite:</b>	97 to 98%
<b>Ilmenite:</b>	1 to 2%
<b>Quartz:</b>	0.5%

## HEALTH HAZARD INFORMATION

### HEALTH EFFECTS

<b>Swallowed:</b>	There are no known health effects – product is inert
<b>Eye:</b>	Irritation, discomfort, tearing may result if recommended exposure limits are exceeded
<b>Skin:</b>	There are no known health effects – product is inert. Under pressure will abrade
<b>Inhaled:</b>	Dust in excess of recommended exposure limits may result in irritation of the respiratory tract

### FIRST AID

<b>Swallowed:</b>	None known
<b>Eye:</b>	Rinse with water
<b>Skin:</b>	Clean and dress open wounds
<b>Inhaled:</b>	Remove to fresh air

### ADVICE TO DOCTOR

Chronic lung conditions may be aggravated by exposure to high concentrations of dust

## PRECAUTIONS FOR USE

**Exposure Limits:** Nuisance Dust  
**Ventilation:** Local exhaust recommended in case of dusting  
**Personal Protection:** Approved eye protection and breathing filtration to be used in dusty operating conditions  
**Flammability:** Non-flammable

## HAZARDOUS REACTIVITY

**Instability:** Stable  
**Incompatibility:** None Known  
**Hazardous Decomposition:** None  
**Hazardous Polymerisation:** Will not occur

## SAFE HANDLING INFORMATION

**Storage and Transport:** No special storage or transport requirements necessary  
**Spills and Disposal:** Sweep up or vacuum spillage. Follow Local Council Regulations for disposal of solid waste  
**Fire/Explosion Hazard:** None

### OTHER INFORMATION

**Materials to avoid:** None known

### CONTACT POINT

Engineering Manager      **03 9336 1961**

Note: This MSDS has been produced in accordance with Worksafe Australia guidelines