



ABRASIVE BLASTING SERVICE & SUPPLIES P/L
18 BECKETT AVENUE,
KEILOR EAST, VICTORIA, 3033
PH: (03) 9336 1961 FAX: (03) 9331 6223
WEB SITE: abss.net.au

GARNET

MATERIAL SAFETY DATA SHEET

IDENTIFICATION

Product Name : Garnet
Trade Name : ABSS Garnet
Other Names : None
Manufacture Code : 8-GARNETABSS
UN Number : None Allocated
Dangerous Class / Subsidiary Risk : Not Relevant
Hazchem Code : None Allocated
Poisons Schedule No. : None Allocated
Use : Surface Preparation by impact blasting

PHYSICAL DESCRIPTION / PROPERTIES

Appearance : Deep red to reddish brown, odourless rough grit
Size Ranges : #40/20 (0.42 – 0.85mm) #60/30 (0.25 – 0.60mm)
Specific Gravity (Approx.) : 4.1 g/cc
Bulk Density : 2.3t per cubic meter
Hardness : 8.0 Mohs
Mineral : Almandine

OTHER PROPERTIES

Conductivity : 10ms/m
Corrosiveness : Non corrosive
Radioactivity : Non detectable
Moisture Absorption : Non hygroscopic, Inert
Total Chlorides : 25ppm maximum
Free Silica : None
Pathological Effects : None
Free Flow : 90% minimum

CHEMICAL COMPOSITION

Alumina : 21%
Iron : 31%
Silica : 36%
Magnesium : 8%
Calcium : 1.5%
Titanium : 1%
Manganese : 0.5%
Other Metals : < 0.01%



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MINERALOGICAL COMPOSITION

Garnet Almandite	:	97% to 98%
Ilmenite	:	1% to 2%
Quartz	:	0.5%

HEALTH HARARD INFORMATION

HEALTH EFFECTS

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

FIRST AID

Swallowed	:	None known
Eye	:	Rinse with water
Skin	:	None known
Inhaled	:	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



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SAFETY 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:

The information contained herein is based on data available to Abrasive Blasting Service & Supplies Pty. Ltd. and from recognised published references. The data are given in good faith and is believed to be useful to the specific material designated.

Since we cannot anticipate or control the many conditions under which this information and our products may be used, it is the user's obligation and responsibility to determine the suitability and safety use of the product.