BLAST ABRASIVES Pvt. Ltd.
Reg. Off. Plot No. 73, Krishna Vihar,
Opp. Vivek Vihar BDA, Ambapua
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Material Safety Data Sheet

Product
Identity (as used on label & list): : **Deccan Garnet**

SECTION I - General

Blast Abrasives Pvt. Ltd.
Reg. Off. Plot No. 73, Krishna Vihar,
Opp. Vivek Vihar BDA, Ambapua
Berhampur, Ganjam Dist
Orissa, India -760 010

Product Name : **Deccan Garnet**
Common Name: Garnet Natural Abrasive

SECTION II - Hazardous Ingredients / Identity Information

Hazardous Components (Specific chemical identity: common name(s))	OSHA PEL	ACGIH TLV	Other limits Recommended	% (optional)

Deccan Garnet is a natural mixture of almandine garnet – (Fe,MG)3 Al2(Sio4)3 and other trace (<1.5%) minerals. It is suitable for use as a low free silica blast cleaning media. The following listed substances are present and regulated by OSHA. CAS# 1302-62-1: Almandine garnet.

Substance	WT%
Nuisance Dust•	----
Quartz (Crystalline Silica) •	<0.20 % (measured)
Quartz (Crystalline Silica) •	<1.00% (warranted)

Natural radiation levels are equal to or less than background levels. Meets US navy standards requirement.
• if these levels are exceeded respiratory protection must be employed.

SECTION III - Physical / Chemical Characteristics

Melting point	Approx.	1250°C	Specific gravity	4.1
Solubility in water	not soluble			
Appearance and odour	Reddish brown sand. No odour.			

SECTION IV - Fire and Explosion Hazard Data

Flash point:	Material is non-flammable solid.	Flammable limits:	Not Applicable
Extinguishing media:	Use extinguishing media appropriate for surrounding fire.		
Special fire fighting procedures:	Fire fighters should be protected from nuisance dust.		
Explosion hazards:	None		

SECTION V - Reactivity Data

Stability: Inert	Unstable		Conditions to Avoid:	The material is a stable natural mineral needing no special handling in normal use
	Stable	X		
Incompatibility (material to avoid):		None known		
Hazardous decomposition or by-products:		None known		
Hazardous Polymerisation	May occur		Conditions to Avoid:	None known
	Will occur	X		

SECTION VI - Health Hazard Data

Route(s) of entry	Inhalation?:	Possible
	Skin?:	None
	Ingestion?:	None
Health Hazards (acute and chronic):	None known. Use as a blast cleaning media may create conditions of exposure to nuisance dust.	

Carcinogenicity:	NTP?:	IARC monographs?:	OSHA regulated?:
Crystalline silica (quartz)		No 42	0.1 mg/m^3
Contains < 0.1% free silica		NA	----

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:	EYE CONTACT: Wash eyes with water to flush out dust particles. SKIN CONTACT: Wash affected area with soap and water.

SECTION VII - Precautions for Safety 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 unnecessary dust.
Waste disposal method:	Follow local, state or federal guidelines for disposal of inert solid waste. **Material contaminated in use may need special handling.**
Precautions to be taken in handling and storing:	None - Use good housekeeping 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 VIII - Control Measures

Respiratory protection (specify type):	NIOSH/MSHA approved filters and air supplied hoods for blasters.			
Ventilation: YES	Local exhaust:	Use when blast cleaning	Special:	NONE
	Mechanical (general):	Meet dust TLV	Other:	NONE
Protective gloves:	Leather or equivalent - in use.			
Eye protection:	Safety glasses with side shields.			
Other protective clothing or equipment:	Hearing protection when working near blast cleaning operations.			
Work/hygienic practices:	Maintain a clean and safe work environment and monitor effectiveness.			