

Skin: There are no known health effects from skin contact that may happen during normal handling. Contact medical consultant, if any problems develop. Also while blasting the material contact with skin under pressure will damage skin. Gently remove the contamination clothing to avoid dust, then wash the skin. If the irritation is resists, Contact medical advice.

Inhaled: Normally regarded as general nuisance dust, but can be irritating if inhaled in high concentration may cause lung irritation. Shift to fresh air and blow nose to remove particulates from nasal passages. Contact medical consultant, if any problems found.

SECTION - V - STABILITY & REACTIVITY DATA

Stability	-	Stable
Polymerization	-	Cannot occur
Incompatibility	-	None Known
Hazardous Reactions	-	None Known
Decomposition	-	Not applicable

SECTION -VI - FIRE AND EXPLOSION HAZARD DATA

Flammability	-	Non-flammable solid
Flash Point	-	Not applicable
General Hazard	-	Non-flammable and does not support burning
LEL	-	Not applicable
UEL	-	Not applicable
Extinguishing Media	-	Use appropriate extinguishing media for the surrounding fire.

SECTION – VII – PHYSICAL & CHEMICAL CHARACTERISTICS

a) Physical Characteristics: -

Melting point	-	1320 °C
Specific gravity	-	4.0 to 4.5
Bulk density	-	2.4
Solubility in water	-	Insoluble
Acid solubility	-	< 0.5 %
Appearances & Odour	-	Dark Red & No odour
Physical state	-	Solid
Viscosity	-	Not Applicable
Boiling point	-	Not Applicable
Vapour Pressure	-	Not Applicable
PH	-	Neutral
Hardness	-	> 7 Moh scale
Free metal	-	< 0.01 %
Water soluble Chloride	-	< 25 ppm
Conductivity	-	< 15 mS/m
Moisture	-	< 0.20 % (Dry solid)
Grade Shape	-	Spheriod
Grain Size	-	90 micron to 1700 micron

b) Composition :-

SiO ₂	-	37.50 %
Fe ₂ O ₃	-	32.60 %
Al ₂ O ₃	-	19.60 %
MgO	-	01.06 %
CaO	-	06.00 %
TiO ₂	-	01.00 %
Cr ₂ O ₃	-	00.05 %
MnO	-	02.10 %
P ₂ O ₅	-	00.06 %

SECTION – VIII – PERSONAL PROTECTION

Crystalline silica	-	0.10 mg/m ³
Repairable dust	-	5 mg/m ³
Nuisance dust	-	15 mg/m ³

If these levels are exceeded respiratory protection must be applied

Personal Protection: Safety glasses, Gloves and nose mask. Maintain a clean and safe work place and monitor effectiveness.

Engineering controls: Dust collector and ventilation requirements will depend on handling methods and the amount in use, but should be sufficient to maintain dust levels exposure limit. Points of dust generation such as conveyor and hopper discharges should be equipped with an effective extraction system.

SECTION – IX – HANDLING AND STORAGE

Adopt good house keeping practices to reduce dust. Use approved hand, eye and respiratory protection devices while the material handling. No special safety measures required. Storage place should be ventilated and dust generation minimized when handling.

SECTION – X – CONTROL MEASURES

Respiratory Protection (Specify type)

NIOSH / MSHA – Approved filters and air supplied goods for blasters

Ventilation	Local Exhaust	Special
Yes	Use when blast cleaning	None
	Mechanical (General)	Other
	Meet dust TLV	None

Protection Gloves: Leather gloves, cabs and paper mask.

Eye Protection: Safety glasses with side shields approved by central.

Other Protective clothing or Equipment: Normal safety protection is adopted.

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Work / Hygienic Practices: keep a clean and safe work place and monitor work practices.

SECTION – XI – TRANSPORT

ICAO / IATA NOT REGULATED

SECTION – XII – DISPOSAL PROCEDURES

As per the local, state and central rules for the disposal of inert solid waste. Material contaminated in use may require special handling and disposal.

SECTION – XIII - REGULATORY INFORMATION

This product is natural and dry mineral and the material collected from inland and sea shore. It is non- hazardous and non-dangerous cargo and does not require any special precautions.

SECTION – XIV – ENVIRONMENTAL INFORMATION

This material is a natural mineral with no known ecotoxicity. It is insoluble in water, because it is very heavy material and it should not contaminate waterways and food materials. Also it does not dangerous to animals and plants.

SECTION – XV – TOXIC INFORMATION

This product is non-toxic with no known sensitive health effects relating to human exposure.

SECTION – XVI – 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. As per the work safety rule, each and every user should reconsider the above information while product using.