



INDIAN OCEAN GARNET SANDS COMPANY PVT. LTD.

PROCESSORS & EXPORTERS OF NATURAL INDUSTRIAL MINERALS



SAFETY DATA SHEET

Section 1 - Identification

Product/ Identifier : IOGS - Garnet Abrasive
Other Designations : Almandine Garnet.
General Use : Blast Cleaning Abrasive, Water Jet Cutting Abrasive, Water Filtration
Supplier 's details : Indian Ocean Garnet Sands Company Pvt Ltd
146, Palayamkottai Road
Tuticorin - 628 003
India
Emergency contact Ph.: +91 461 2321792, +91 461 2324955
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[Email: sales@iogsgarnet.com](mailto:sales@iogsgarnet.com)
Web: www.ioogsgarnet.com

Section 2 - Composition / Information on Ingredients

Ingredient Name : Almandine Garnet
Chemical formula : $Fe_3Al_2(SiO_4)_3$
CAS Number : 1302-62-1
% Wt : 94-99.6%
Trace Impurities : 0.4 - 6% misc. trace minerals consisting of Ilmenite & Quartz.

Section 3 - Physical and Chemical Properties

Physical State	: Solid	Water Solubility	: Not Soluble in Water
Appearance	: Reddish Pink	Other Solubilities	: Not Applicable
Odour Threshold	: Not Applicable	Boiling Point	: Not Applicable
Vapour Pressure	: Not Applicable	Melting Point	: 1250°C
Vapour Density (Air	: Not Applicable	Viscosity	: Not Applicable
Specific Gravity (H₂O	: 4.0 - 4.2	Mean Refractive	
1)		Index	: 1.73 - 1.76
pH	: 8.0 - 9.0	Evaporation	: Not Relevant
Hardness	: 7.0 - 8.0 (Mohs)	Flammability (solid ,Gas)	: Non Flammable
Bulk density	: 2.4 g/Cm ³		

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Section 4 - Hazard(S) Identification

Hazard Classification

Non dangerous but hazardous according to NOHSC : 1008(2004)

Label Elements

Single Word : Not applicable

Pictograms : Not applicable

Hazards not Otherwise Classified None.

Section 5 - First - Aid Measures

Description of first aid measures

Inhalation :

Remove person to fresh air. If you feel unwell, get medical attention.

Skin Contact :

Wash With soap and water . If Signs / Symptoms develop , get medical attention

Eye Contact

Flush with large amounts of water . Remove contact lenses if easy to do.

Continue rinsing. If signs/symptoms persist, get medical attention.

Swallowed:

No need for first aid is anticipated

Section 6 - Fire Fighting Measures

Suitable extinguishing media

Material will not burn. In case of fire : Use a fire fighting agent suitable for

Ordinary combustible material such as water or foam to extinguish.

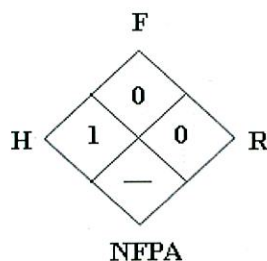
Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards : None

Hazardous Combustion products : No data available

Special protective action for fire - fighters

No unusual fire or explosion hazards are anticipated



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Section 7 - Stability and Reactivity

Chemical Stability : Stable
Possibility of hazardous reaction : Hazardous polymerization will not occur
Chemical Incompatibilities : None Known
Hazardous Decomposition : None Known
Conditions to avoid : None Known.
Reactivity : This material is considered to be non reactive under normal use conditions.

Section 8 - Accidental Release Measures

Personal precautions ,protective equipment and emergency procedures :
Observe precautions from other section.
Environmental precautions : Not applicable
Methods and materials for containment and cleaning up : Not applicable.

Section 9-Toxicological Information

Inhalation
Dust from grinding,sanding or machining may cause irritation of the respiratory systems.signs/symptoms may include cough,sneezing,nasal discharge,headache,hoarseness,and nose and throat pain.
Skin Contact :
Mechanical skin irritation : signs/symptoms may include abrasion,redness,pain ,and itching.
Eye Contact :
Mechanical eye irritation : signs/symptoms may include pain,redness,tearing and corneal
Ingestion :
No health effects are expected

Section 10 -Handling and storage

Precautions for safe handling :
No special precautions necessary for normal handling of the material.Use only with adequate ventilation.Do not breathe dust.Wear appropriate personal protective equipment
Conditions for safe storage including any incompatibilities:
No special storage requirements.

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Section 11 - Disposal Procedures

Waste treatment methods :

Product Waste : Dispose of content and / or container in accordance with local, regional, national, and / or international regulations.

Packaging waste : Dispose of content and / or container in accordance with local , regional, national, and / or international regulations.

Spill : Sweep or Vacuum up material for disposal or recovery.

Section 12 - Exposure Controls / Personal Protection

Control parameters

Exposure Limits/Guidelines

Sample	CAS NO.	Result	NIOSH
Quartz	14808-60-7	TWAs	0.05mg/m3 TWA
		STELs	Not established

Appropriate engineering controls.

Provide appropriate local exhaust ventilation for sanding, grinding or machining. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapors/spray. If ventilations is not adequate, Use respiratory protection equipment. Provide exhaust at process emission source to control exposure near the source and to prevent the escape of dust into the work area. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of into the work area

Personal protective Equipment:

Eye/Face : wear safety glasses.

Skin/Hand : Wear protective clothing and gloves.

Respiratory : For limited exposure use an N95 dust mask. For prolonged exposure use an air-purifying

Section 13 - Transport Information

No special precautions necessary

Section 14 - Regulatory Information

No know additional regulations for this product.

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Section 15 - Ecological Information

Toxicity	: Not applicable
Persistence and degradability	: Not applicable
Bioaccumulative potential	: Not applicable
Mobility in soil	: Not applicable

Section 16 - Special Precautions and Comments

No special precautions necessary for normal handling and storage of material
The information set forth herein is believed to be accurate but is not warranted with respect to the accuracy of the information or recommendations. Recipients are advised to confirm in advance of need that the information is current and application to their circumstances and

DATE : 29.05.15

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