



Safety Data Sheet

SECTION 1 – IDENTIFICATION

SDS Number : SDS202301SHA(Garnet)
Product Name : Garnet
Brand Name : SinoGarnet
General Use : Blast Cleaning Abrasive, Water Jet Cutting Abrasive, Water Filtration
Processor & Supplier : **WUXI DING LONG MINERALS CO., LTD**
B Suite, 17/F Wah Kwong Building,
No.333 Zhong Shan Road,
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E-mail : info@ding-long.com
sales@sinogarnet.com

SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Identifiers	%
Almandine Garnet	CAS: 1302-62-1	90%
Quartz	CAS: 14808-60-7	1%
Ilmentite	CAS: 103170-28-1	2%
Homblende	CAS: 12178-42-6	7%

SECTION 3 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State : Solid grains or powder
Appearance : Deep Reddish sand
Odour Threshold : Not Applicable
Vapour Pressure : Not Applicable
Vapour Density(Air) : Not Applicable
Specific Gravity(H₂O) : 3.9 – 4.1
PH : Not relevant
Mohs Hardness : 7.0 – 8.0
Bulk Density : 2.0 – 2.3g/cm³
Water Solubility
Other Solubilities

: Not Soluble in water	: Not Applicable
Boiling Point	: Not Applicable
Melting Point	: 1315°C
Viscosity	: Not applicable
Mean Refractive Index	: 1.73 – 1.76
Evaporation	: Not relevant
Flammability (Solid, Gas)	: Non Flammable

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.

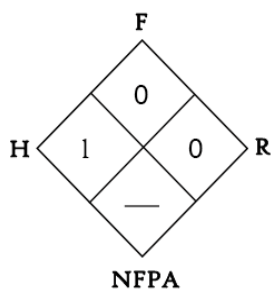
Special hazards arising from the substance or mixture

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



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 requirement.

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/m ³ 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 dusts, 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

Road and Rail Transport: Not classified as Dangerous Goods for transport by Road and Rail.

Main Transport: Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods

Code (IMDG/IMO CODE) for transport by sea

Not classified as Dangerous Goods by the criteria
Air Transport: Not classified as Dangerous Goods by the criteria of the International Air Transport
Association
(IATA) Dangerous Goods Regulations for transportation by air .

No special precautions necessary

SECTION 14 – REGULATORY INFORMATION

IMDG/IMO: Not regulated
No special precautions necessary.
THE SUBSTANCE IS NOT SUBJECT TO IMO IMDG CODE

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.

This SDS was issued by **WUXI DING LONG MINERALS CO., LTD.**
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