



WUXI DING LONG CO., LTD.

Material Safety Data Sheet

SECTION 1 – IDENTIFICATION

MSDS Number : XNG20140101
Product Name : Garnet abrasive
Brand Name : SINO GARNET
Chemical Formula : $3\text{FeO}\cdot\text{Al}_2\text{O}_3\cdot\text{SiO}_2$
General Use : Industrial Abrasives
Processor & Supplier : **WUXI DING LONG CO., LTD**
B Suite, 17/F Wah Kwong Building,
No.333 Zhongshan Road,
Wuxi 214001, Jiangsu, P.R. of China
Phone : +86-510-82755455 / 82755457
Fax : +86-510-82762125
E-mail: info@ding-long.com
sales@sinogarnet.com

SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Name | CAS Number | Proportion (Weight %) |
|-----------------------------|------------|-----------------------|
| Almandine Garnet | 1302-62-1 | More than 97% |
| Crystalline Silica | 14808-60-7 | Less than 1% |
| Ilmenite FeTiO ₃ | 12168-52-4 | Less than 1.5% |
| Feldspars | 68476-25-5 | Less than 0.5% |

SECTION 3 – HAZARDS IDENTIFICATION

- * Prolonged inhalation of dust may cause irritation.
- * Prolonged ingestion of dust may cause irritation.
- * Contact with eyes may cause temporary irritation.
- * Contact with the skin may cause temporary irritation.

SECTION 4 – FIRST AID MEASURES

- * After skin contact, remove particles and wash.
- * After eye contact, flush eyes with water and remove all particles. Consult a physician if the problem persists.
- * After Ingestion, give water and seek medical advice if the problem persists.
- * After inhalation, remove subject into fresh air and seek medical advice.

SECTION 5 – FIRE FIGHTING MEASURES

| | |
|---|--|
| Flammability Classification | : Non – Flammable solid |
| Flash Point Method | : Not relevant |
| LEL | : Not relevant |
| UEL | : Not relevant |
| Extinguishing Media | : Use appropriate extinguishing media for surrounding fire |
| Unusual Fire or Explosion Hazards: | None |

SECTION 6 – ACCIDENTAL RELEASE MEASURES

| | |
|-------------------------------|------------------------|
| Personal Precaution | : Non – hazardous |
| Environment Precaution | : Non – hazardous |
| Clean up Method | : Take up mechanically |

SECTION 7 – HANDLING AND STORAGE

| | |
|------------------------------------|------------------------------------|
| Precautions for Handling | : No special instruction |
| Measures to protect against | : N / A |
| Fire / Explosion | : Non explosive |
| Storage | : Store in a dry place / condition |

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

| | |
|-------------------------------|---|
| Ingredients with OEL'S | : N / A |
| Respiratory Protection | : Not required for normal operation |
| Hand Protection | : Recommended for high volume application if dust is present. |

Body Protect : Overalls & eye protection recommended
Hygiene Measures : High standards must be encouraged

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance and odor: Dark reddish sand with no odor.
Melting Point: Approximately 1315°C
Vapor Pressure: Not relevant
Specific Gravity: 4.0 – 4.1
Water solubility: Not soluble in water
Physical state: Solid grains or powders
Boiling point: Not relevant
Evaporation rate: Not relevant
PH: Not relevant
Coefficient of Water/oil Distribution: Not relevant
Vapor Density: Not relevant
Bulk Density: 2.0 – 2.3g/cm³
Mohs Hardness: 7.0 – 8.0

SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability : Stable
Consideration of Reactivity : None known.
Incompatible Material : Not applicable.
Conditions to Avoid : None known
Hazardous Decomposition : None known
Hazardous Polymerization : None known

SECTION 11 – TOXICOLOGICAL INFORMATION

This material is non – toxic.

Toxicological Tests : Acute Toxicity - N / A
: Additional Information – N / A
Experience : Observations – None

SECTION 12 – ECOLOGICAL INFORMATION

| | |
|--|--|
| Information on Elimination | : None |
| Behavior in the Environment | : Material is resistant to bio – degradation |
| Mobility and bio-accumulative potential | : None |
| Aquatic Toxicity | : N / A |

SECTION 13 – DISPOSAL CONSIDERATIONS

- * Dispose of to an authorized landfill site.
- * Preparation : The Material is not considered to be hazardous .

SECTION 14 – TRANSPORT INFORMATION

| | | |
|--------------|-------------|---------------|
| Road / Rail | ADR / RID | Not Dangerous |
| Inland / Sea | AND / ADNR | Not Dangerous |
| Air | ICAO / IATA | Not Dangerous |

SECTION 15 – REGULATORY INFORMATION

Non-hazardous and non-dangerous goods. No known additional regulations for this product.

SECTION 16 – OTHER INFORMATION

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