

SAFETY DATA SHEET

SECTION 1: CHEMICAL AND COMPANY INFORMATION

Product / Chemical Name: QuickBlast / Garnet Abrasive
Chemical Formula $3\text{FeO} \cdot \text{Al}_2\text{O}_3 \cdot \text{SiO}_2$
CAS Number: 1302-62-1
General Use: Industrial Abrasives

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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%
Mica	12001-26-2	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 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
Flammability Classification:	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 OELs:	N/A
Respiratory Protection:	Not required for normal operation
Hand Protection:	Recommended for high volume application if dust is present
Body Protection:	Overalls and eye protection recommended
Hygiene Measures:	High standards must be encouraged

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Solid grains or powders	Water Solubility:	Not Soluble
Appearance and Odor:	Dark reddish sand, no odor	Other Solubles:	Not Relevant
Odor Threshold:	None	Boiling Point:	Not Relevant
Vapor Pressure:	Not Relevant	Melting Point:	1,315°C (2,399°F)
Vapor Density: (Air = 1)	Not Relevant	Bulk Density:	2.0 – 2.3 g/cm ³
Specific Gravity (H₂O = 1)	4.0 – 4.1	Mean Refractive Index:	1.73 – 1.76
pH:	Not Relevant	Mohs Hardness:	7.0 – 8.0

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability:	Stable
Consideration of Reactivity:	None Known
Incompatible Material:	N/A
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 / ADN	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 SDS has been prepared by QuickBlast and complies with the Safe Work USA Code of Practice on the Preparation of Safety Data Sheets for Hazardous Chemicals December 2011 and follows the Globally Harmonised System of Classification and Labelling of Chemicals (the GHS).

As per Worksafe Guidance Note NOHSC 3017, each user should review the information in the specific context of the intended application.

Date of Issue: November 2016

Revision II

End of SDS