



SAFETY DATA SHEET

1. Product and Supplier Identification

Product Name: KLEEN BLAST SELECT II GARNET

Trade Name and Synonyms: GARNET ABRASIVE

CAS Number: 1302-62-1 **HTS Number:** 2513.00.00

Product Use: ABRASIVE BLASTING – WATER JET CUTTING – WATER FILTRATION

Supplier: OCL Industrial Materials Ltd.
13364 Comber Way,
Surrey, BC, Canada, V3W 5V9
Telephone: (604) 594-5050
Facsimile: (604) 594-1240
www.oclim.com

2. Hazardous Identification

As supplied the product is predominantly almandite garnet with the chemical composition of $Fe_3Al_2Mg(SiO_4)$ and other trace minerals as per CAS No. for almandite garnet 1302-62-1 which is a non-hazardous substance.

3. Composition

Chemical Name	Proportion (weight %)
Almandite Garnet	90-97%
Ilmenite	<1%
Quartz	<.07%
Light mineral	<1%
Other	0.5%

4. First Aid Measures

SKIN CONTACT: There is no known health effects from skin contact that may occur during normal handling.



EYE CONTACT: Flush with large amounts of lukewarm clean water for at least 15 minutes or until all particles are removed. Do not rub eyes.

INGESTION: Non toxic. Ingestion of large amounts may cause irritation due to abrasiveness of material. Seek medical attention if symptoms develop.

5. Fire Fighting Measures

Flash point:	not applicable
Flammability:	non-flammable, not combustible
Hazardous Combustion Products:	not applicable
Extinguishing Media:	Use extinguishing media appropriate for surrounding fire
Fire Fighting Instructions:	Not considered flammable nor combustible

6. Handling and Storage

No special instructions required. Storage areas should be properly ventilated to minimize dust generation when handling loose material. Wear appropriate safety equipment for normal handling.

7. Exposure Controls / Personal Protection

Maintain good ventilation and/or dust collection controls to reduce exposure to dust generated during handling, use and clean-up.

Personal Protection – Follow all local provincial, state, and federal guidelines for the use of personal protection equipment. Blasting operations should use a respirable air fed abrasive blast hood. Leather gloves & apron and hearing protection should also be used in blasting operations.

8. Accidental Release Measures

No special precautions necessary.

9. Physical and Chemical Properties

Appearance:	Granular
Physical State:	Solid
Colour:	Reddish Brown, Pink, Deep Red, Green
Odour:	None
Water Solubility:	Insoluble
Specific Gravity:	3.85-3.95 g/cm ³
Vapour Density:	Not Applicable
Melting Point:	1300°C



Radioactivity:	Not detectable above background levels
Hardness:	7.5-8.0 Mohs
Bulk Density:	1.85-19.5 g/cm ₃
Silicon Dioxide (SiO ₂):	34-40%
Iron (Fe ₂ O ₃ +FeO):	25-33%
Alumina (Al ₂ O ₃):	17-21%
Calcium (CaO):	1.0-10.0%
Magnesium (MgO):	1.0-2.0%

10. Stability and Reactivity

Chemical Stability:	Stable and inert
Conditions to Avoid:	None known
Incompatible Materials:	None known
Decomposition:	Not Applicable
Hazardous Reactions:	None known

11. Health Hazard Data

Inhalation:	None
Skin:	None
Carcinogenicity NTP	Contains less than 1% free silica

12. Disposal Considerations

Follow all local provincial, state, and federal guidelines for disposal of inert solid non-hazardous waste.

13. Preparation Information

Prepared By: OCL Industrial Materials
Telephone Number: 604-594-5050
Preparation Date: Jan, 2018

Revisions: None

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