



SAFETY DATA SHEET

(Imperial)

HARTS RANGE GARNET

SECTION 1 – IDENTIFICATION

Product Name: Harts Range Garnet
Other Names: HRG

Recommended Use: Blast cleaning abrasive, water jet cutting abrasive, water filtration media
Supplier: Australian Abrasive Minerals
Address: 7/100 Mill Point Road
South Perth, Western Australia 6151

Telephone: +61 89367 3177
Fax Number: +61 89367 3577
Email: admin@aaminerals.com.au
Emergency Number: +61 89367 3177
24 hours 0404 012 764

SECTION 2 – HAZARDS IDENTIFICATION

NON-HAZARDOUS AND NON DANGEROUS GOODS according to criteria NOHSC:1008 (2004)

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

This material is a natural mixture of garnet and other trace minerals

| Chemical Name | CAS Number | Proportion (weight %) |
|---|------------|-----------------------|
| Garnet $\text{Fe}_3\text{Al}_2(\text{SiO}_4)_3$ | 1302-62-1 | Greater than 92% |
| Ilmenite FeTiO_3 | 103170-28- | Less than 5% |
| Free Quartz SiO_2 (Crystalline Silica) | 14808-60-7 | Less than 0.01% |

SECTION 4 – FIRST AID MEASURES

No acute or chronic health effects known in workings arising from short or long term exposure to this substance. Use as a blast cleaning media may create conditions of exposure to nuisance dust.

Swallowed: Non toxic. There are no know health effects resulting from accidental ingestion of small amounts that may occur during normal handling. Ingestion of larger amounts may cause irritation due to abrasiveness. Seek medical attention if systems develop.

Eye: Particles and dust exposure may cause eye irritation due to abrasiveness. Flush with plenty of clean water



for at least 15 minutes or until particles are removed.

Seek medical attention if irritation or soreness persists.

Skin: There are no known health effects from skin contact that may occur during normal handling. Seek medical attention if systems develop. Contact with material under pressure will damage skin by abrasion. Clean and dress any open wounds and seek medical attention.

Inhaled: Exposure to nuisance dust created by use as a blast cleaning medial may cause throat and lung irritation, coughing or shortness of breath. Move to fresh air and blow nose to remove particulates from nasal passages.

Seek medical attention if symptoms persist.

It is recommended that eye wash facilities are available in the workplace.

SECTION 5 – FIRE FIGHTING MEASURES

Flammability: Non-flammable
Flashpoint: Non-explosive
General Hazard: This product is non-flammable and does not support combustion
Extinguishing Media: Use media suitable for the material that is burning

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Wear safety equipment as for normal handling. If possible, vacuum the material to avoid generating unnecessary dust, otherwise good housekeeping practices to keep dust to a minimum.

SECTION 7 – HANDLING AND STORAGE

No special precautions necessary. Storage areas should be ventilated and dust generation minimized when handling. Use good housekeeping practices to keep dust to a minimum.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standards: Nuisance dust levels should be kept below 0.01 ppm. If this level is exceeded then respiratory protection is required.
Engineering Controls: Maintain ventilation and/or dust collection to reduce exposure to nuisance dust generated during handling and use. Maintain a clean and safe work environment and monitor effectiveness.
Personal Protection: Follow industry standards and practices, and local, state or federal regulations and guidelines for the use of personal protection equipment.



SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

| | |
|-----------------------------|--|
| <i>Appearance:</i> | Pink to red coloured free flowing sand |
| <i>Odour:</i> | Odourless |
| <i>pH:</i> | Neutral |
| <i>Vapour Pressure:</i> | Not applicable |
| <i>Boiling Point:</i> | Not applicable |
| <i>Melting Point:</i> | Approximately 2300° F |
| <i>Radioactivity:</i> | Not detectable above background levels |
| <i>Solubility in Water:</i> | Insoluble |
| <i>Flammability:</i> | Non-flammable |
| <i>Hardness:</i> | 7.5-8.0 Mohs |
| <i>Bulk Density:</i> | Approximately 145 lbs/ft ³ |
| <i>Particle Size:</i> | Average range between 0.007 – 0.067 inch, depending on grade |

SECTION 10 – STABILITY AND REACTIVITY

| | |
|--------------------------------|---|
| <i>Chemical Stability:</i> | Stable and inert material under normal and anticipated storage, handling and use conditions |
| <i>Conditions to Avoid:</i> | None known |
| <i>Incompatible Materials:</i> | None known |
| <i>Decomposition:</i> | Not applicable |
| <i>Hazardous Reactions:</i> | None known |

SECTION 11 – TOXICOLOGICAL INFORMATION

This material is non-toxic with no known acute or chronic health effects relating to human exposure. Refer section 4- First aid measures.

SECTION 12 – ECOLOGICAL INFORMATION

This material is a naturally occurring minerals with no known ecotoxicity. It is insoluble in water and unlikely to contaminate waterways or food chains.

SECTION 13 – DISPOSAL CONSIDERATIONS

Follow local, state or federal guidelines for disposal of inert solid waste eg: for landfill

MATERIAL CONTAMINATED IN USE MAY NEED SPECIAL HANDLING AND DISPOSAL. IT IS THE RESPONSIBILITY OF THE USER TO UNDERTAKE ANY EVALUATION CLASSIFICATION AND DISPOSAL OF MATERIAL AFTER USE.

SECTION 14 – TRANSPORT INFORMATION

No special precautions necessary. It is recommended to keep bags closed and dry bulk loads covered to prevent dust generation.



**AUSTRALIAN ABRASIVE
MINERALS** PTY LTD
ACN 118 292 756

SECTION 15 – REGULATORY INFORMATION

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

SECTION 16 – OTHER INFORMATION

This SDS had been prepared by Australian Abrasive Minerals Pty Ltd in accordance with the National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition. (NOHSC:2011(2003)) 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: March 2017

Revision: 3

End of SDS.