

**Pacific Garnet Sales, Inc.**

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**MATERIAL SAFETY DATA SHEET**

**PRODUCT NAME:** *PACIFIC GARNET*

**CHEMICAL NAME:** Garnet Almandine

**MSDS NO:** 307-1

**WHMIS CLASS:** D2A

**DATE:** 1-1-2003

**MATERIAL IDENTIFICATION AND USE:**

A dense, naturally occurring mineral for use as an abrasive jet cutting and blast cleaning media.

**PHYSICAL DATA:**

Specific Gravity H<sub>2</sub>O = 1: 4.0 - 4.1 Bulk Density: 145lbs. / ft<sup>3</sup>  
Solubility in Water: Insoluble  
Appearance and Odor: Dark red particles, no appreciable odor.  
Ingredients by Weight (%): SiO<sub>2</sub> (total) ~36.0  
Al<sub>2</sub>O<sub>3</sub> ~20.0  
FeO ~20.0  
Fe<sub>2</sub>O<sub>3</sub> ~9.0  
CaO ~7.0  
MgO ~5.0  
TiO<sub>2</sub> ~1.5

**HAZARDOUS INGREDIENTS:**

<u>Ingredients</u>	<u>C.A.S. No.</u>	<u>TLV (Units)</u>
SiO <sub>2</sub> (Quartz)	14808-60-7	0.1%

**FIRE AND EXPLOSION HAZARD DATA:**

The product will not burn or explode.

**REACTIVITY DATA:**

The product is stable and non-reactive under normal conditions. There are no hazardous decomposition products.

**TOXICOLOGICAL PROPERTIES:**

Over exposure of dust containing particles of crystalline silica may cause silicosis. Long term inhalation may cause lung disorder due to nuisance dusts. Irritating to eyes as is any foreign material.

**PREVENTATIVE MEASURES:**

Use gloves and safety glasses as normal procedures to protect from abrasive products. Leaks or spills may be swept up. Avoid unnecessary dusting while sweeping. If airborne concentration of nuisance dust or silica dust exceed exposure limits, use approved respiratory protection is necessary. Waste disposal should be in accordance with your local environmental regulations.

**FIRST AID MEASURES:**

- For skin exposures, wash with soap and water. Seek medical advice if irritation persists.
- For eye exposure, flush with water and seek medical advice if irritation persists.
- For ingestion, seek immediate medical aid.
- For inhalation, remove to fresh air. If breathing difficulty is encountered, seek medical aid.

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