

## HEALTH AND SAFETY DATA SHEET

Garnet is the abrasive of choice for all water jet cutting and abrasive blasting applications. As an abrasive media, it is highly efficient due to its low dust emission, compatibility to non-ferrous metals, low tendency of grit embedment and recyclability up to 5 times.

Material Safety Data Sheet according to 93/112/EC

Trade Name:

**SRS Global Trading**

Grades:

**ESA Grades 60 to 120**

Issue date:

**January 2023**

### 1. Chemical Product and Company Identification:

Product Name: **SRS Global Trading**

Supplier: **17 President Street, Germiston, 1400, South Africa**

**PHONE: +27 11 056 6744**

**EMAIL: INFO@SRS- GT. COM WEBSITE: WWW. SRS- GT. COM**

### 2. Composition / Information on Ingredients:

<i>Chemical Composition:</i>	<i>%</i>
Fe <sub>2</sub> O <sub>3</sub>	66
TiO	2
Al <sub>2</sub> O <sub>3</sub>	23
CaO	4
MgO	4
MnO <sub>2</sub>	1

**Garnet is a quality blasting medium produced from brown virgin fused and manufactured in accordance with BS EN ISO 11126 part 7: 2001**

### **3. Potential Health Hazards:**

Inhalation	- May cause respiratory system passageway irritation.
Skin	- Frequent or prolonged contact may cause irritation.
Eye	- May cause irritation, avoid direct contact.
Ingestion	- Ingestion of large quantities may cause gastrointestinal irritation.

---

### **4. First Aid Measures:**

Inhalation:	- Remove to fresh air, if irritation occurs seek medical attention as needed.
Skin:	- Wash with water, seek medical attention as needed.
Eye:	- Irrigate with plenty of water, seek medical attention as needed.
Ingestion:	- If swallowed, seek medical attention.

---

### **5. Fire Fighting Measures:**

Flash Point	- Above 200 degrees Centigrade.
Extinguishing media	- Carbon Dioxide, Water, & Foam.
Special fire fighting procedures	- Hazardous fumes produced, use respiratory protection.
Hazardous combustion products	- Oxides of carbon, nitrogen and hydrogen cyanides.
Unusual Fire and explosion hazards	- Avoid excessive temperature, combustion products may be extremely irritating.

---

### **6. Accidental Release Measures:**

Procedure for cleaning	Good housekeeping procedures should apply, contain media by sweeping or vacuuming to avoid loss of footing and falling.
and recollection:	Collection in container, e.g. mini bulk bag or drum.

---

### **7. Handling and storage:**

Uncontaminated product is considered a non-hazardous solid waste.	
Handling:	Keep dry to avoid damage to container. Use good personal hygiene and housekeeping.
Storage recommendations:	Keep material in dry warehouse.
Disposal:	Dispose of waste should be done in accordance with applicable regulations.

---

### **8. Exposure controls / Personal protection:**

Engineering controls:	For normal storage and handling, good ventilation is adequate.
Respiratory protection:	Good mechanical ventilation of work area and/or approved Supplied breathing air respirator recommended.
Skin protection:	Suitable to protect against mechanical abrasion.
Eye protection:	Approved blasting helmet or goggles for protection against abrasive materials, eyewash should be provided in work area.
Special Shipping:	Material should always be shipped on a pallet; bags should be protected against punctures.

---

## 9. Physical and Chemical Properties:

### *Appearance -*

*Physical state:* Porous, pliable, open-cell solid.

*Colour:* Red/Grey.

*Odour :* Slight mouldy/musty odour.

*pH :* No value.

### *Safety relevant data:*

*Solubility in water:* Insoluble.

---

## 10. Stability and Reactivity:

*Stability* : Stable.

*Conditions to avoid* : None known.

*Reactivity* : None Known.

*Hazardous decomposition products* : Carbon dioxide, carbon monoxide, hydrogen cyanide and various isocyanates.

*Hazardous polymerisation* : Will not occur.

*Incompatible substances* : Sodium hypochlorite.

---

## 11. Toxicological Information:

*Carcinogenicity* : None known

---

## 12. Ecological Information:

There is no data available on this product in its final form.

---

## 13. Disposal Considerations:

Discard waste according to applicable local regulations. Special disposal procedures may apply to spent abrasive which may contain other materials derived from the substrate being cleaned.

---

## 14. Transport Information:

*DOT shipping name:* None

*DOT hazard class:* Non-hazardous

*N.A. ID Number:* N/A

*U.N. ID Number:* N/A

*Product label:* EnviraSponge

---

## 15. Regulatory Information:

*Danger symbols:* Not applicable.

*National regulations:* Not applicable.

---

## 16. Other Information:

The information contained in this document is to the best of our knowledge accurate, but since the circumstances and conditions in which it may be used are beyond our control, we do not accept liability for any loss or damage, however arising, which may result directly or indirectly from the use of such information.

---