



# SAFETY DATA SHEET

*This Safety Data Sheet meets or exceeds the requirements of the Canadian Controlled Product Regulations (WHMIS 2015)*

## SECTION I – PRODUCT AND SUPPLIER INFORMATION

**PRODUCT**

C Garnet 20/40  
C Garnet 20/40 Bulk Bag

**PRODUCT #**

9992792  
9992793

**PRODUCT USE: ABRASIVE MEDIA FOR USE IN SAND BLASTING**

**Last Updated:** 12 July 2017

**Supplier:**

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See most current revision of this document at [www.TargetProducts.com](http://www.TargetProducts.com)

## SECTION II - HAZARD IDENTIFICATION

Hazard-determining components of labeling: None

2.1 Classification of the substance or mixture  
Non-Hazardous

2.2a Signal word  
None

2.2b Hazard Statements  
None

2.2c Pictograms  
None

2.2d Precautionary statements  
Do not breathe dust.

If inhaled: Remove person to fresh air and keep comfortable for breathing.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately seek medical advice or attention if symptoms are significant or persist.

Dispose of contents/containers in accordance with all regulations.

2.3 Additional Information

2.3a HNOC – Hazards not otherwise classified: Particles Not Otherwise Classified

2.3b Unknown Acute Toxicity: None

## SECTION III - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Components	CAS No.	% by Weight
Almandine Garnet Fe <sub>3</sub> Al <sub>2</sub> (SiO <sub>4</sub> ) <sub>3</sub>	1302-61-1	≥ 95
Ilmenite FeTiO <sub>3</sub>		≤ 1
Calcium Carbonate CaCO <sub>3</sub>		≤ 1
Zircon ZrSiO <sub>4</sub>		≤ 0.2

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### SECTION IV – FIRST AID MEASURES

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#### 4.1 Description of the first-aid measures

General information:

After inhalation: Remove person to fresh air and keep comfortable for breathing.

#### 4.2 Most important symptoms/effects, acute and delayed

Inhalation: May cause respiratory tract irritation.

#### 4.3 Indication of immediate medical attention and special treatment needed:

Immediately seek medical advice or attention if symptoms are significant or persist.

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### SECTION V - FIRE FIGHTING MEASURES

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#### 5.1 Flammability of the Product: Non-flammable and non-combustible

#### 5.2 Suitable extinguishing agents: Treat for surrounding material

#### 5.3 Special hazards arising from the substance or mixture: None

#### 5.3a Products of Combustion: None

#### 5.3b Explosion Hazards in Presence of Various Substances: Non-explosive in presence of shocks

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### SECTION VI – ACCIDENTAL RELEASE MEASURES

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6.1 Personal precautions, protective equipment and emergency procedures: Wear personal protective equipment (See section VIII). Keep unprotected persons away.

#### 6.2 Methods and material for containment and cleaning up:

Dispose of unwanted materials and containers properly in accordance with all regulations.

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### SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND STORAGE

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#### 7.1 Handling

Do not breathe dust. Wear eye/face protection to prevent mechanical irritation.

#### 7.2 Storage

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: Keep out of the reach of children.

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### SECTION VIII – EXPOSURE CONTROL MEASURES / PERSONAL PROTECTION

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#### 8.1 Components with limit values that require monitoring at the workplace:

Hazardous Components	CAS No.	PEL (OSHA) mg/M3	TLV (ACGIH) mg/M3
Particles Not Otherwise Classified	N/A	15	10

#### 8.2 Exposure Controls

None generally required

#### 8.3 General protective and hygienic measures

Keep away from foodstuffs, beverages and feed.

#### 8.3a Personal protective equipment

Workers who are blasting or exposed to the dust remaining in the air from blasting operations must wear NIOSH-certified, type CE, blasting airline respirator with positive pressure blasting helmet for all people in the vicinity of blasting operations. The respirator must cover the wearer's head, neck and shoulders. Comply with OSHA Respiratory Protection standard. Wear eye/face protection. Wear protective gloves/clothing. Additional required equipment includes, but is not limited to: hearing protection, long leather gloves, aprons and safety boots.

Workers in the area who are not exposed to the dust from blasting (for example, pouring bags of media into a hopper) must wear a NIOSH N-95 particulate respirator, eye protection, and protective gloves/clothing when handling product.

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### SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS

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(a) Appearance (physical state, color, etc.);

Pink to red coloured free flowing sand.

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(b) Odor;	None
(c) Odor threshold;	Not Known
(d) pH;	8.0 to 9.0
(e) Melting point/freezing point;	1220 °C (2228 °F)
(f) Initial boiling point and boiling range;	Not Known
(g) Flash point;	Non-Combustible
(h) Evaporation rate;	Not Applicable
(i) Flammability (solid, gas);	Not Known
(j) Upper/lower flammability or explosive limits;	Not Known
(k) Vapor pressure;	Not Applicable
(l) Vapor density;	Not Applicable
(m) Specific Gravity / Relative density;	4.0 – 4.2
(n) Solubility(ies);	Insoluble
(o) Partition coefficient: n-octanol/water;	Not Applicable
(p) Auto-ignition temperature;	Not Known
(q) Decomposition temperature;	Not Applicable
(r) Viscosity.	Not Applicable

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### SECTION X – STABILITY AND REACTIVITY

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#### 10.1 Reactivity

No dangerous reaction known under conditions of normal use.

#### 10.2 Chemical stability

Stable under normal storage conditions. Keep in dry storage.

#### 10.3 Possibility of hazardous reaction

No dangerous reaction known under conditions of normal use.

#### 10.4 Thermal decomposition / conditions to be avoided

No decomposition if used according to specifications.

#### 10.5 Incompatible materials

None known.

#### 10.6 Hazardous Decomposition or By-products

None known.

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### SECTION XI – TOXICOLOGICAL INFORMATION

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11.1 Exposure Routes: Inhalation, skin contact, eye contact, or ingestion.

11.2 Symptoms related to physical/chemical/toxicological characteristics:

Inhalation: May cause respiratory tract irritation.

Skin contact: May cause mechanical skin irritation.

Eye Contact: Causes eye irritation if particles or dust gets in eye.

Ingestion: Ingestion of large quantities may cause discomfort and/or distress.

11.3 Delayed, immediate and chronic effects of short-term and long-term exposure

Short Term

Skin Corrosion/Irritation: Not applicable

Serious Eye Damage/Irritation: Not applicable

Respiratory Sensitization: Not applicable

Skin Sensitization: Not applicable

Specific Target Organ Toxicity-Single Exposure: Not Applicable

Aspiration Hazard: Not applicable

Long Term

Carcinogenicity: Not Applicable

Germ Cell Mutagenicity: Not applicable

Reproductive Toxicity: Not applicable

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Specific Target Organ Toxicity- Repeated Exposure: Not Applicable

Synergistic/Antagonistic Effects: Not applicable

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### SECTION XII – ECOLOGICAL INFORMATION

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#### 12.1 Ecotoxicity

No further relevant information available.

#### 12.2 Persistence and degradability

No further relevant information available.

#### 12.3 Bioaccumulative potential:

No further relevant information available.

#### 12.4 Mobility in soil

No further relevant information available.

#### 12.5 Other Adverse Effects

No further relevant information available.

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### SECTION XIII – DISPOSAL CONSIDERATIONS

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#### 13.1 Waste Disposal Method

The packaging and material may be land filled; however, material should be covered to minimize generation of airborne dust. This product is not classified as a hazardous waste under the authority of the RCRA (40CFR 261) or CERCLA (40CFR 117&302). Disposal must be made in accordance with local, state and federal regulations.

#### 13.2 Other disposal considerations

Uncleaned packaging

Recommendation: Disposal must be made in accordance with local, state and federal regulations.

Recommended cleansing agent: Water, if necessary with cleansing agents.

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### SECTION XIV – TRANSPORT INFORMATION

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	<b>DOT (U.S.)</b>	<b>TDG (Canada)</b>
UN-Number	Not Regulated	Not Regulated
UN proper shipping name	Not Regulated	Not Regulated
Transport Hazard Class(es)	Not Regulated	Not Regulated
Packing Group (if applicable)	Not Regulated	Not Regulated

#### 14.1 Environmental hazards:

Not applicable

#### 14.2 Transport in bulk according to Annex II of Marpol 73/78 and the IBC Code

Not applicable

#### 14.3 Special precautions for user

Do not handle until all safety precautions have been read and understood.

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### SECTION XV – OTHER REGULATORY INFORMATION

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#### 15.1 Safety, Health and Environmental Regulations/Legislations specific for the chemical

Canada

This document complies with the WHMIS requirements of the Hazardous Products Act (HPA) and the CPR.

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### SECTION XVI – OTHER INFORMATION

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**NOTE: The information and recommendations contained herein are based upon data believed to be correct.**

Prepared by Target Products, Ltd. - Phone 1.604.856.7976, [www.TargetProducts.com](http://www.TargetProducts.com)

**End of SDS**