

# BELLEMARE

## /// ABRASIVES & MINERALS ///

### MATERIAL SAFETY DATA SHEET

#### Section 1

Manufacturer: Bellemare Abrasives & Minerals  
Address: 8750, Boul. Industriel  
Trois-Rivières, Qc Canada  
Synonymous: Recycled glass  
Phone number: 819.376-4366  
Product name: GLASS GRIT

#### Section 2

##### Chemical analysis

<u>Elements</u>	<u>% weight</u>
SiO <sub>2</sub>	72.5
Na <sub>2</sub> O	13
CaO	11
MgO	1
Al <sub>2</sub> O <sub>3</sub>	1.5
Fe <sub>2</sub> O <sub>3</sub>	< 1

##### Mineralogical analysis

<u>Mineral</u>	<u>Total weight</u>	<u># CAS</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Glass	> 99%	65997-17-3	15 mg/m <sup>3</sup> total dust, 5 mg/m <sup>3</sup> respirable	10 mg/m <sup>3</sup> inhalable, 3 mg/m <sup>3</sup> respirable

OSHA PEL - Permissible Exposure Limit (mg/m<sup>3</sup>)  
ACGIH TLV - Threshold limit value

#### Section 3

##### Physical properties

Hardness; 5.5-6.0 MOHS  
Physical state: Solid  
Colour: White to green  
Grain Shape: Angular  
Density: 1300 kg/m<sup>3</sup>  
Specific gravity: > 2.6  
Odour: None  
Melting point: approximately 724 °C  
Water solubility: Insoluble

#### Section 4

##### Reactivity data

Chemical stability: Stable when used, stored and transported under normal conditions.

Incompatibility: This product is incompatible with certain substances: hydrofluoric acid, some fluorinated compounds (fluorine, bromine trifluoride and selenium oxifluoride). When the product comes in contact with alkali solutions, it is slowly broken down.

## Section 5

Fire and explosive data

This product is non-flammable and nonexplosive.

## Section 6

Preventive measures

Engineering control: Use with adequate ventilation. Keep containers closed.  
Eyewash station should be within direct access.

Respiratory protection: Use a NIOSH approved respirator where dust occurs.  
Observe OSHA regulations for respirator use.

Skin protection: Wear body-covering clothing.

Eye protection: Wear safety glasses.

Spill, leak and disposal procedures

Steps in case of spilled or release material: Use recommended protective clothing and equipment.  
Clean spills in a manner that does not disperse dust into the air.

Waste disposal method: Glass grit may be disposed of in a solid waste landfill if permitted by local laws and regulations.

Handling and storage

Handling: Avoid contact with eyes and skin. Avoid breathing dust.  
Keep containers closed.

Storage: Keep containers closed. Store in clean metal, fiber or plastic containers.

Special precautions

Recommendation to the user: For the high pressure machines an appropriate protection screen must be permanently installed at the entrance of the tank to avoid blockage of the machine by the material.

Keep product dry and free of all contamination to ensure free flow.

## Section 7

Toxicological properties

As any abrasive material, this product is irritating to skin and eyes. May be irritating to respiratory tract. Ingestion (acute/chronic) may be irritating to the digestive tract.

Irritation is described as reversible inflammation. The potential hazard of solid particles depends on particle size and concentration per cubic metre of air.

Particle size: Inhalable (< 100 µm) - when deposited anywhere in the respiratory tract.  
Thoracic (< 25 µm) - when deposited anywhere within the lung airways and the gas-exchange region.  
Respirable (< 10 µm) - when deposited in the gas-exchange region.

Chronic effect/ carcinogenicity: No known chronic hazards, not listed by IARC, NTP or OSHA as a carcinogen.

This product is amorphous and contains less than 1% of free crystalline silica.

## Section 8

First aid measures

Eye: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation persists.

Skin: Wash with soap and water. Get medical attention if irritation persists.

Ingestion: Seek medical attention.

Inhalation:

Remove to fresh air, if breathing difficulty is encountered, seek medical attention .

Section 9

Transportation information

This material is not regulated hazardous material for transportation.

Section 10

Regulatory information

WHMIS classification: N/A

Section 11

Disclaimer

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