

## RECYCLED GLASSGRIT

### TECHNICAL SHEET

#### Particle shape:

Angular

#### Hardness:

6 MOHS

#### Color:

Whitish green

#### Density:

80 lb/ft<sup>3</sup> | 1280 kg/m<sup>3</sup>

#### Specific gravity:

> 2,5

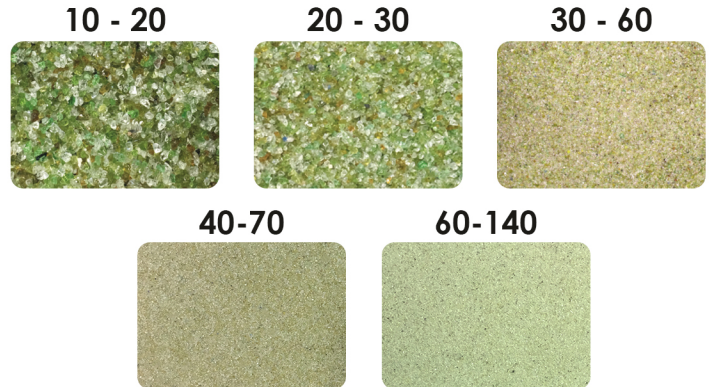
#### Packaging:

50 lb | 3080 lb | bulk

- ☒ 100% post-consumer glass
- ☒ Iron-free product
- ☒ Non-reactive, chemically inert
- ☒ Contains less than 0,1% free silica
- ☒ In accordance with MIL-A-22262B (SH)
- ☒ White metal blast cleaning (SSPC-SP5)

### TYPICAL CHEMICAL ANALYSIS

| Ingredient name                | %     | CAS number |
|--------------------------------|-------|------------|
| SiO <sub>2</sub>               | 71,6  | 7631-86-9  |
| Na <sub>2</sub> O              | 12,3  | 1313-59-3  |
| CaO                            | 10,6  | 1305-78-8  |
| Al <sub>2</sub> O <sub>3</sub> | 2,37  | 1344-28-1  |
| MgO                            | 1,16  | 1309-48-4  |
| Fe <sub>2</sub> O <sub>3</sub> | 1,03  | 1309-37-1  |
| K <sub>2</sub> O               | 0,73  | 12136-45-7 |
| Quartz                         | < 0,1 | 14808-60-7 |
| Others                         | > 0,1 | -          |



### TYPICAL SIEVE ANALYSIS

| Sieves (ASTM E11) |       | Cumulative % passing |       |       |       |        |
|-------------------|-------|----------------------|-------|-------|-------|--------|
| US Mesh           | mm    | 10-20                | 20-30 | 30-60 | 40-70 | 60-140 |
| 8                 | 2,360 | 100                  |       |       |       |        |
| 14                | 1,400 | 33,1                 | 100   |       |       |        |
| 16                | 1,180 | 7,2                  | 93,4  |       |       |        |
| 20                | 0,850 | 1,1                  | 51,5  | 100   | 100   |        |
| 30                | 0,600 | 0,4                  | 16,2  | 97,6  | 99,7  |        |
| 40                | 0,425 | 0,2                  | 4,2   | 69,4  | 85,4  | 100    |
| 50                | 0,300 | 0,1                  | 1,8   | 45,1  | 43,9  | 99,6   |
| 70                | 0,212 |                      | 1,1   | 27,9  | 13,9  | 93,6   |
| 100               | 0,150 |                      | 0,8   | 14,9  | 4,4   | 67,0   |
| 140               | 0,106 |                      |       | 6,5   | 2,3   | 40,7   |
| 200               | 0,075 |                      |       | 2,1   |       | 22,6   |
| 270               | 0,053 |                      |       |       |       | 9,5    |

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For more information, please contact:

**BELLEMARE ABRASIVES & MINERALS**

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**SECTION 1 – Identification of the substance or mixture and of company/undertaking****Product Name:** GLASS GRIT**Other means of identification:** Recycled Glass Grit,  
Amorphous Silica, Soda-Lime Glass, Glass Oxide or  
Silicon Dioxide Product**Recommended Use:** Abrasive for blasting, filtration  
media and other aggregate uses**Restriction on use:** Not available**Supplier/ Contact information:**

Bellemare Abrasives and Minerals

8750 Boul. Industriel

Trois-Rivières (Québec)

Canada G9A 5E1

Phone: 1 866-885-4366 Fax: 819-376-2628

Emergency phone number: 819-609-9900

**SECTION 2 – Hazards identification**

GHS Classification: Not classified as a hazardous material by the criteria of the OSHA Hazard Communication Standard, Title 29, Code of Federal Regulations, Section 1910.1200, Hazard Communication.

Contains less than 0.1% free silica; all components are amorphous/non-crystalline.

Hazards summary: Dust may irritate eyes, skin, respiratory tract, mucous membranes. Spilled material is slippery.

**SECTION 3 - Composition / information on ingredients**

| <b>Ingredient Name</b> | <b>CAS Number</b> | <b>%</b> |
|------------------------|-------------------|----------|
| Glass                  | 65997-17-3        | > 99     |

**SECTION 4 - First aid measures****Inhalation:** Immediately remove to fresh air. Get medical attention if irritation persists or if breathing is difficult.**Eye Contact:** Immediately flush eyes with large amounts of clean water for at least 15 minutes while holding the eyelids open. Remove contact lenses. Occasionally lift the eyelids to ensure thorough rinsing. Beyond flushing, do not attempt to remove material from eyes. Get medical attention if irritation persists or later develops.**Skin Contact:** The product is not hazardous by skin contact, but removal of particles and cleaning the skin after use is advisable.**Ingestion:** If swallowed, rinse mouth and drink plenty of water. If symptoms occur, consult medical staff immediately.**Most important symptoms/effects, acute and delayed:** Dust may cause irritation.**SECTION 5 - Firefighting measures****Flammability:** This product is non-flammable and non-explosive.**Extinguishing Media:** If product is involved in fire, use any extinguishing media appropriate to surrounding.**Fire-Fighting Equipment/Instructions:** Wear self-contained breathing apparatus with a full-face mask. Wear gloves and appropriate protective clothing.**Specific hazards arising from the chemical:** None

## SECTION 6 - Accidental release measures

**Personal Precautions, protective equipment and emergency procedures:** Persons involved in cleanup processes should first observe precautions (as appropriate) identified in Section 8 of this SDS. Avoid inhalation of dust and contact with skin and eyes.

**Environmental precautions:** Prevent further leakage or spillage if safe to do so. Do not contaminate water.

**Methods and materials for containment and cleaning up:** Spilled material, may be slippery. Avoid generation and spreading of dust. Pick up with shovel or mechanical equipment. Wet methods and vacuuming may be used on spills. Avoid clearing dust surfaces with compressed air.

## SECTION 7 - Handling and storage

**Handling Precautions:** Avoid inhalation of dust and contact with eyes and skin. Use only with adequate ventilation. Wash thoroughly after handling. Wear protective equipment to comply with good occupational hygiene practice. Do not eat, drink or smoke at the work place.

**Storage Requirements:** Keep material dry in storage. No special handling required. Avoid creating dust. Not an electrical conductor.

## SECTION 8 - Exposure controls / personal protection

**Exposure Guidelines:** Exposure to this product may be covered by OSHA inert or nuisance dust limits 15mg/m<sup>3</sup> for total dust and 5mg/m<sup>3</sup> for respirable portion.

**Engineering Controls:** Activities that generate dust require the use of general ventilation, local exhaust and/or wet suppression methods to maintain exposures below allowable exposure limits. Eyewash station should be within direct access.

**Protective Clothing/Equipment:** A NIOSH approved air-purifying respirator with a type 100 (high efficacy) particulate cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. For abrasive blasting use a type CE abrasive-blast, supplied-air respirator covering head, neck and shoulders to provide protection from rebound abrasives per 29 CFR 1910.94 (a)(5). Safety glasses with side shields should be worn as minimum protection. Dust goggles should be worn when excessively (visible) dusty conditions are present or are anticipated. Use gloves to provide hand protection from abrasion. In dusty conditions, use long sleeve shirts and long pants. Wash work clothes after each use.

**Contamination:** Take all the necessary precautions stated herein as well as those directed by the coatings and substrate suppliers. Any contamination that cannot be traced must be sampled for its content prior to work.

## SECTION 9 - Physical and chemical properties

**Appearance:**

White and colored transparent, angular particles

**Odor:** Odorless

**PH** Not applicable

**Flammability:** Non-combustible

**Vapor Pressure:** Not applicable

**Vapor Density (Air=1):** Not applicable

**Boiling Point:** Not applicable

**Melting Point:** Approximately 724°C

**Flash Point:** Non-combustible

**Specific Gravity (H<sub>2</sub>O=1):** > 2,5

**Evaporation Rate (butyl acetate=1):** Not applicable

**Solubility in Water:** Insoluble

**Autoignition temperature:** Not applicable

## SECTION 10 - Stability and reactivity

**Stability:** Stable when used, stored and transported under normal conditions.

**Possibility of hazardous reactions:** Hazardous polymerization does not occur.

**Conditions to Avoid:** None known.

**Incompatible materials:** 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.

**Hazardous Decomposition Products:** Unknown and not suspected.

## SECTION 11 - Toxicological information

**Inhalation:** Dusts may irritate the nose, throat and respiratory tract. Shortness of breath.

**Eye Contact:** Dust particles can scratch the eye causing tearing, redness, a stinging or burning feeling, or swelling of the eyes with blurred vision.

**Skin Contact:** Dust particles can scratch and irritate the skin with redness, an itching or burning feeling, swelling of the skin, and/or rash.

**Ingestion:** Expected to be practically non-toxic. Ingestion of large amounts may cause gastrointestinal irritation including nausea, vomiting, diarrhea, and blockage.

**Medical Conditions Aggravated by Exposure:** Chronic lung conditions may be aggravated by exposure to high concentrations of dust.

**Delayed and immediate effects and also chronic effects from short and long-term exposure:** Prolonged overexposure to respirable dusts in excess of allowable exposure limits can cause inflammation of the lungs leading to possible fibrotic changes, a medical condition known as pneumoconiosis.

**Carcinogenicity:** No known chronic hazards, not listed by IARC, NTP or OSHA as a carcinogen. This product is amorphous and contains less than 0.1% of free crystalline silica.

Take special precaution to note the potential hazards of the substrate, coatings or contamination that are removed by the use of our product. All material Certifications and chemical analyses should be obtained before commencement of work.

## SECTION 12 - Ecological information

**Ecotoxicity:** The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

**Persistence and degradability:** This material is persistent but inert in aquatic systems. It will not bioconcentrate up the food chain.

**Bioaccumulative potential:** This product is not bioaccumulating.

**Mobility in soil:** Not determined

**Other adverse effects:** Not determined

## SECTION 13 - Disposal considerations

**Waste Disposal:** Treatment, storage, transportation and disposal must be in accordance with applicable Federal, State/Provincial and Local regulations. If approved, may be transferred to a land disposal site. Please refer to section 8 for the safety of persons conducting disposal.

## SECTION 14 - Transport information

**UN Number:** Not regulated

**Transport Hazard Class:** Not applicable

**Packing Group:** Not applicable

**Marine Pollutant:** Not applicable

**Special Precautions:** Not applicable

**Shipping Containers:** Hopper cars, hopper trucks, bags and semi-bulk bags. Glass grit Media products are not regulated as a hazardous material by DOT or IMO.

## SECTION 15 - Regulatory information

You must comply with all OSHA, local, city, state, province, country and jurisdiction regulations, ordinances and standards, related to your particular work area and environment. Keep unprotected individuals out of the work area. Failure to avoid the above danger will result in death or serious injury.

**TSCA Inventory Status:** Reporter/Included

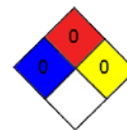
**AICS Inventory Status:** Reporter/Included

**DSL/NDSL Inventory Status:** Reporter/Included

There is no **CERCLA** Reportable quantity for this material.

Contains no **SARA** Title III, Section 313 notification chemical present at or above the significant concentration.

**German Water Hazard Classification VwVwS:** WGK class 1 (Low hazard to water).  
**California Proposition 65:** No ingredient is listed.  
**HMIS and NFPA Hazard Rating:** 0,0,0  
**CEPA:** These products are exempt from CEPA reporting on the Domestic Substances Lists.



## SECTION 16 - Other information

**Issue date:** 01/01/2016

**Last Updated:** 27/08/2018

**The following sections contain revisions:** All sections

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