



MSDS - Gannon EcoBlast Abrasives

Issue Date: 07/05/2014

1. Product Identification and Use

- 1.1 Company Identification:
Gannon Eco
Split Hill Quarries, Hazelwood, Kilbeggan,
Co. Westmeath, Ireland.
Tel: (057)93 32126
Fax: (057)93 32271
- 1.2 Product Name: Gannon EcoBlast Abrasive
- 1.3 Product Identification: Amorphous Silica,
Soda-Lime Glass, Glass Oxide or Silicon
Dioxide.
- 1.4 Product Use: Expendable crushed glass
abrasive for dry and wet impact blasting.
- 1.5 Emergency Contact: Gannon Eco (057)93
32126

2. Composition/ Information on Ingredients

- 2.1 CAS Registry Number: 65997-17-3 (Glass
Oxide)
- 2.2 Typical Chemical Composition
- | | | |
|--------------------------------|---|-----|
| SiO ₂ | : | 73% |
| Na ₂ O | : | 14% |
| CaO | : | 10% |
| MgO | : | <1% |
| Al ₂ O ₃ | : | <1% |
| SO ₃ | : | <1% |

Glass sand is not classified as a hazardous material.
Contains no free silica; all components are
amorphous/non-crystalline.

3. Hazard Identification

Eyes and throat may become irritated if exposed to
high concentrations of glass abrasive dust. There is
no significant immediate health, physical or
environmental hazards.

4. First Aid Measures

4.1 Eye contact

On contact with abrasive glass dust, immediately
irrigate with eyewash solution or clean water. If
symptoms develop, seek medical attention.

4.2 Skin contact

On contact with abrasive glass dust, wash with soap
and water. If irritation occurs seek medical attention.

4.3 Ingestion

Drink water to clear throat and wash out mouth as
appropriate.

4.4 Inhalation

On inhalation of concrete dust, remove the affected
person to fresh air and seek medical attention if
required.

5. Fire Fighting Measures

Not Applicable.

6. Accidental Release Measures

6.1 Cleaning Up

No special requirements, sweep up glass abrasive
using water sprays to limit airborne dust. Wear
recommended personal protective equipment.

6.3 Environmental Measures

Crushed glass abrasives do not constitute any
significant environmental hazard.

7. Storage and Handling

7.1 Manual handling

Care should be taken when manually handling
bagged crushed glass abrasive products.
Good lifting practices should be followed at all times
to avoid the risk of sprains, strains or ruptures.
Plan so that, wherever possible, products are
positioned near to the point of use.
Wherever possible, mechanical handling devices
should be used.
Avoid spillages which can cause slippery floors.

7.2 Storage

Stock areas should always be level with a firm base
to avoid pallet collapse when the outer wrapping or
bands are removed. As a safety precaution, we
advise customers not to stack products.

Care should be taken when removing shrink wrapping or bands to avoid loose bagged abrasives falling out of the stack.
Banding should be cut and not burst by the application of levered pressure.

8. Exposure Controls/Personal Protection

8.1 Dust Exposure Controls

Where reasonably practicable, dust exposures should be controlled by methods such as wet blasting and local exhaust ventilation.

8.2 Personal Protective Equipment

Respiratory Protection:

Suitably approved respiratory protection should be worn to ensure that exposure to the constituents of crushed glass abrasive dust is less than the relevant Workplace Exposure Limits.

Always ensure good ventilation.

Total dust <10mg/m³_8 hour TWA

Respirable dust <4mg/m³_8 hour TWA

(Crushed glass abrasives contain no free silica; all components are amorphous/non-crystalline.

Hand and Skin Protection:

Gloves and protective garments should be worn to protect against abrasions.

Safety footwear should also be worn.

Eye Protection:

HSA approved Goggles or blasting helmets that offer protection against dust and flying particles should be used when using abrasive equipment.

9. Physical and Chemical Properties

Physical State: Solid, angular granules

Appearance: White and coloured transparent

Odour: None

Specific Gravity: 2.4 – 2.6

Melting Point: 1300°C

Water solubility: Insoluble

Hardness: 6 Mohs

10. Stability and Reactivity

Conditions contributing to chemical instability: None

Hazardous decomposition products: None

Special precautions: None

11. Toxicology Information

Route of Entry: Skin Contact, Eye contact, Inhalation

Effects of Acute Exposure

Skin: drying or irritation

Eyes: Exposure to dust may irritate eyes

Respiratory: Exposure to dust may aggravate respiratory system

Overexposure and Inhalation of dusts above the maximum exposure limits, may over a prolonged period give rise or contribute to a number of respiratory illnesses.

12. Ecological Information

When used as intended no environmental impact is anticipated.

13. Disposal Considerations

Disposal of these products should be in accordance with local legal requirements. Special disposal procedures may apply to spent abrasives which may contain other materials derived from the substrate being cleaned.

14. Transport Information

Not hazardous, therefore no regulatory classification for conveyance is required.

15. Regulatory Information

Danger Symbols: Not applicable

National Regulations: Not applicable

16. Other Information

Disclaimer: The information in this Material Safety Data Sheet (MSDS) is believed to be correct as of the date issued. Gannon Eco makes no warranties, expressed or implied, statutory or otherwise, including, but not limited to, any implied warranty or condition of merchantability or fitness for a particular purpose or course of performance or usage of trade. The user is responsible for determining whether the Gannon EcoBlast crushed glass abrasive product is fit for a particular purpose and suitable for the user's method of use or application.

Given the variety of factors that can affect the use and application of the product some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the product to determine whether it is fit for a particular purpose and suitable for the user's method of use or application



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