

Safety Data Sheet Greenblast

Trade Name: Greenblast
Grades: Coarse, Medium and Fine
Original Issue Date: September 2012 (as MSDS 41)
This Issue: March 2017

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- 1.1
- | | |
|----------------------|----------------|
| Product Name: | Greenblast |
| Product Description: | Crushed glass |
| EINECS: | Not classified |
| CAS: | Not classified |
- 1.2 **Relevant identified uses of the substance or mixture and uses advised against**
- Product use: Blast cleaning abrasive,
- The substance does not meet the criteria for classification as dangerous according to EC1272/2008 and is not PBT or vPvB. Therefore exposure assessment, risk characterisation and exposure scenarios for the identified uses through the life cycle is not required (REACH Regulations 1907/006, Annex 1 and ECHA Guidance on information requirements and chemical safety assessment part A).
- 1.3 **Details of supplier of the safety data sheet**
- Hodge Clemco Ltd, Orgreave Drive, Sheffield S13 9NR, U.K.
- Email address of person: sales@hodgeclemco.co.uk (Steve Robertson)
- Emergency telephone number of the supplier
- | | |
|---------------------|------------------------|
| Telephone number: | +44(0)114 254 8811 |
| Hours of operation: | Mon – Fri 08.30 – 1700 |

SECTION 2: Hazards Identification

2.1 Classification of substance or mixture

Classification according to Regulation(EC) No. 1272/2008 (which replaces Directive 67/548/EC(DSD))

Classification: Not classified. Crushed glass does not meet the criteria for classification in accordance with the regulations EC1272/2008. No special conditions are therefore needed. Risk management measures due to the potential occurrence of hazardous dusts during use as an abrasive may be needed.

2.2 Label Elements

Labelling according to Regulation (EC) No 1272/2008 (which replaces Directive 67/548/EC(DSD))
None

2.3 Other hazards

The substance does not meet the criteria for a PBT or vPvB substance
Use of this material may generate dust so risk management measures may be needed.
Eyes and throat can become irritated when exposed too high concentrations. May cause skin irritation. There is no significant immediate health, physical or environmental hazards.

SECTION 3: Composition/information on ingredients

Glass grit is produced from crushed glass containers so will contain a small portion of ferrous, non-ferrous and organic oils. The silica contained within glass grit is bonded and therefore the material contains far less than 1% free silica,

Substance	Formula	CAS No.	EC No.	Composition %
Silica Oxide	SiO ²	7631-86-9	231-545-4	72.20%
Sodium Oxide	Na ² O	1313-59-3	215-208-9	13.30%
Calcium Oxide	CaO	1305-78-8	215-138-9	10.90%
Aluminium Oxide	Al ² O ³	1344-28-1	215-691-6	1.50%
Magnesium Oxide	MgO	1309-48-4	215-171-9	1.30%
Potassium Oxide	K ² O	12136-45-7	235-227-6	0.45%
Sulphur Trioxide	SO ³	7446-11-9	231-197-3	0.16%
Iron Oxide	Fe ² O ³	1309-37-1	215-168-2	0.07%
Titanium Dioxide	TiO ²	13463-67-7	236-675-5	0.06%
Barium Oxide	BaO	1304-28-5	215-127-9	0.04%
Chromium Oxide	Cr ² O ³	1308-38-9	215-160-9	0.02%
Free Silica				<0.1%

SECTION 4: First Aid Measures

4.1 Description of First Aid Measures

<i>Inhalation:</i>	Remove to fresh air. Get medical attention if symptoms occur.
<i>Skin:</i>	Substance is not a skin irritant and not a skin sensitiser. Wash with water and soap. Remove contaminated clothing and footwear, Get medical advice if symptoms occur.
<i>Eye:</i>	Substance is not an eye irritant. Use general measures if eye irritations occur. Do not rub eyes. Immediately wash with plenty of water. Check for and remove any contact lenses. If irritation persists, get medical attention.
<i>Ingestion:</i>	No danger known, wash mouth out if appropriate. Do not induce vomiting. Give water to drink.
<i>Advice to physician:</i>	No specific advice. Treat according to symptoms present.

4.2 Most important symptoms and effects, both acute and delayed.

The product may cause temporary mechanical irritation to the eyes, nose, throat and lungs.

4.3 Indication of any immediate medical attention and special treatment needed.

Notes for the doctor. Treat symptomatically.

SECTION 5: Fire Fighting Measures

5.1 Extinguishing media

The product is non-combustible. Use an extinguishing agent appropriate to the surrounding materials.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products: None

5.3 Advice for fire-fighters

Wear self-contained breathing apparatus and protective clothing

SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Avoid breathing dust. Use appropriate personal protective equipment.

6.2 Environmental precautions

Make sure spills can be contained. Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

6.3 Methods and material for containment and clean-up

Ventilate the area thoroughly. Vacuum or sweep up material and place in a suitable container for re-cycling or disposal.

6.4 References to other sections

Section 1 for emergency contact information
Section 8 for information on personal protective equipment
Section 13 for Waste Disposal

SECTION 7: Handling and Storage

7.1 Precautions for safe handling

Glass grit is not classified and no protective measures are needed for safe handling. Prevent formation of dust. Use only in well ventilated areas. Wear personal protective clothing. Wash hands and face before breaks and after work.

7.2 Conditions for safe storage including any incompatibilities

Keep dry. No other special requirements.

7.3 Specific end uses

Abrasive blast cleaning may fracture the product and generate dust. Ventilate work area in vicinity of operator

SECTION 8: Exposure Controls/Personal Protection

Engineering Controls: Use adequate ventilation if dusty conditions prevail when handling the product. For storage and ordinary handling, general ventilation is adequate.

Exposure guidelines, dust: No free silica. All components are amorphous/non-crystalline. WEL for silica amorphous are $6\text{mg}/\text{mg}^3$ (inhalable) and $2.4\text{mg}/\text{m}^3$ (respirable).

Respiratory protection: Blasting operatives should use a CE marked or HSE approved blasting helmet. Ancillary workers should use a P2 dust mask.

Skin protection: Heavy duty protective gauntlets.

Eye protection: Blasting helmet as above for blasters or goggles for ancillary workers.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

<i>Appearance:</i>	Solid, glassy, angular particles
<i>Colour;</i>	Multi-coloured
<i>Odour</i>	None
<i>Melting point:</i>	1300°C
<i>Initial boiling point and range:</i>	Not applicable
<i>Relative Density (ref water at 20°C):</i>	2.5kgs/dm ³
<i>Bulk Density:</i>	1.6kgs/dm ³
<i>Solubility:</i>	Not soluble
<i>Hardness:</i>	6 Moh

SECTION 10: Stability and reactivity

10.1 Reactivity

Not applicable. See Section 9.

10.2 Chemical stability

Stable under normal conditions

10.3 Possibility of hazardous reactions

No hazardous reactions known

10.4 Conditions to avoid

Avoid dust formations

10.5 Incompatible materials

None known

10.6 Hazardous decomposition products

None known

SECTION 11: Toxicological information

Immediate (acute) effects:

No acute or chronic health effects known in workers arising from short or long term exposure to this product. This product does not contain toxic substances above known reportable limits.

Delayed (sub chronic and chronic) effects:

No known delayed effects in workers arising from short or long term exposure to this product.

Symptoms related to physical, Chemical & toxicological Characteristics: None known

Numerical measures of toxicity: None known

Other data: Dust in concentrations above the maximum recommended concentrations might cause irritation of the eyes and throat if inhaled over a prolonged period

SECTION 12 Ecological information

Not applicable

SECTION 13: Disposal considerations

The abrasive must be disposed of in accordance with national legislation (See Section 16) and local regulations. The material as supplied is classed as a non-hazardous inert solid waste. European Waste Catalogue (EWC 2002) 19 12 05 (glass- cullet). Spent abrasive used as a blasting medium must be disposed of under classification 12 01 16 (waste blasting material containing dangerous substances) or 12 01 17 (waste blasting material other than those mentioned in 12 01 16). The waste producer must determine if hazardous substances in the coating being removed are likely to cause the waste to be hazardous.

SECTION 14: Transport information

Land Transport:

ADR: Not regulated
GGVS: Not regulated
RID: Not regulated
GGVE: Not regulated

Identification of the product:

Danger No: Not applicable

River/Canal transport:

ADNR: Not regulated

Sea Transport:

IMDG/GGV Sea Code: Not regulated
EmS Not regulated
MFAG Not regulated

Air Transport:

ICAO/IATA-DGR: Not regulated

Other Information: May be sent by mail

SECTION 15: Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for substance or mixture

The product is not subject to identification regulations under EC Directives

SECTION 16: Other information

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