



Safety Data Sheet according to Regulation (EC) No 1907/2006

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product name: HONITE (Glass bead)
Contains: Soda-Lime Glass
Intended Use: Blast cleaning abrasive media.

Supplier: Guyson International Ltd.
Snaygill Industrial Estate,
Skipton, North Yorkshire.
BD23 2QR
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2. HAZARDS IDENTIFICATION

Classification of substance Not classified. Glass bead does not meet the criteria for classification in accordance with the regulations EC1272/2008.

Label Elements None

Other hazards

The substance does not meet the criteria for a PBT or vPvB substance

Dust Use of this material may generate dust so risk management measures may be needed. Blasting operatives in a blast room should wear a CE marked or HSE approved blasting helmet along with a purpose-designed blasters' suit.

Ancillary workers should use a P2 dust respirator and safety goggles.

3. COMPOSITION / INFORMATION ON INGREDIENTS

There are no CAS or EC numbers for soda lime glass in its entirety. Numbers for the constituent parts/compounds are shown below.

Substance	Chemical Formula	CAS No	EC No	Typical Content
Silicon Dioxide (amorphous)	SiO ²	7631-86-9	231-545-4	73.0%
Sodium Oxide	Na ² O	1313-59-3	215-208-9	15.0%
Calcium Oxide	CaO	1305-78-8	215-138-9	7.0%
Magnesium Oxide	MgO	1309-48-4	215-171-9	4.0%
Aluminium Oxide	Al ² O ³	1344-28-1	215-691-6	1.0%

4. FIRST AID MEASURES

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	Use only in well ventilated areas.
	Wear personal protective clothing.
Conditions for safe storage including any incompatibilities	Wash hands and face before breaks and after work. Keep dry. No other special requirements.
Specific end uses	Abrasive blast cleaning may fracture the product and generate dust. Ventilate work area in vicinity of operator.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Control parameters of relevance to industrial settings (occurrence of dusts, mists and fumes)	<p>The user must know the exact nature of the dust produced during the industrial process for which the abrasive is used, and must take the necessary measures to protect his workers.</p> <p>A qualitative analysis is necessary for blasted parts that may contain any substance with an exposure limit.</p> <p>The concentrations of the substances contained in the abrasives that are subject to exposure limits (in particular average exposure limits under the relevant receiving country's environmental regulations).</p>
Engineering Measures:	<p>Preferred methods of use are either in a blast cabinet with a dust collector or in a closed-circuit blasting system. Use process enclosures, local exhaust ventilation or other engineering controls to keep exposure to below any recommended or statutory limits.</p> <p>If a blast room is used it must have a dust extraction system to keep dust levels below the occupational exposure limits.</p>
Occupational Exposure Limits	All dusts have been assigned exposure limits, however in EH40/2005 and 2007 there are no defined parameters for glass dusts. Glass, because of its inert nature, is classified as a general dust.
The following statement applies to glass bead based product dusts;	

The absence of a WEL does not imply that a substance is safe. Exposure to these substances should be controlled to a level to which nearly all of the working population could be exposed to on a daily basis without adverse effects on their health. Under Reg 6 of COSHH, employers should determine their own in-house standards for control based on published information.

Regulation 11 (2b) requires that health surveillance shall be treated as appropriate where:

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The exposure of the employee to a substance hazardous to health is such that an identifiable disease or adverse health effect may be related to that exposure, there is a reasonable likelihood that the disease or effect may occur under the particular conditions of his work and there are valid techniques for detecting indications of the disease or effect. General dusts have been assigned a WEL of 10mg/m³ in EH40/2005, as a total inhalable dust (total inhalable dust being defined as the fraction which enters the nose and mouth during breathing and is therefore available for deposition in the respiratory tract).and 5mg/m³ of respirable dust.

Industrial hygiene

Wash hands before breaks and at end of work.

Personal Protective Equipment

Blast cabinet

Hand protection



Gloves - appropriate gauntlets

Eye protection



Safety glasses or tight-fitting protective goggles.
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Respiratory equipment



Normally, no personal respiratory protection is necessary. A breathing mask is to be worn when handling dust or cleaning out the system. (FFP2 or FFP3)

Body protection



With normal use body protection by half or full-body coverall and boots is required.

Personal Protective Equipment

Blast Room



Blasting operatives should wear a CE marked approved blasting helmet.



Operatives should always wear appropriate gauntlets.

Operatives should wear a purpose designed blasters' suit.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Solid spherical, clear / white.

Odour

Odourless.

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Softening point (°C)	~ 730°C
Melting point (°C)	~ 800°C
Specific gravity	~ 2.6g/cm ³
Hardness	~ 6 Mohs
Explosive properties	Non explosive

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions. None reactive
Conditions to avoid	Avoid contact with hydrofluoric acid.
Incompatible materials	Insoluble in water.

11. TOXICOLOGICAL INFORMATION

Known severe toxicity:	None
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Known local effects:	None
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12. ECOLOGICAL INFORMATION

Handled correctly these products pose no serious environmental hazard. Hodge Clemco Ltd have not conducted any environmental studies on these products, and no information has been found in a search of literature. These products do not contain any substances that are classified under EC legislation for environmental effects.

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. 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.

14. TRANSPORT INFORMATION

International Regulations (ADR / IMDG / OACI)	Not concerned Transport outside storage areas: protect against moisture.
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15. REGULARITY INFORMATION

Safety, health and environmental regulations/legislation specific for substance or mixture	<p>The product known as glass bead or glass grit is subject to national and European laws in effect.</p> <ul style="list-style-type: none">• According to existing European Regulations No 1999/45/CE and No 67/548/CEE, glass bead and glass grit are not considered as dangerous preparations• According to European Regulation No 1907/2006/CE (REACH), glass abrasives are considered as articles.
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16. OTHER INFORMATION



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Disclaimer

It remains the users own responsibility to ensure that the information contained is appropriate for the use of this product.

The information contained herein is to the best of our knowledge accurate, however, as circumstances and conditions in which it may be used are beyond our control, we do not accept liability for any loss or damage, however arising, which results directly or indirectly from the use of such information.