



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

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

Product name: CERAMIC BEADS
Contains: Zirconia, Silica
Intended Use: Blast cleaning abrasive for industrial use.
Supplier: Guyson International Ltd.
Snaygill Industrial Estate,
Skipton, North Yorkshire.
BD23 2QR
Tel: +44 (0)1756 799911
E-mail: info@guyson.co.uk
Emergency contact number: +44 (0)1756 799911

2. HAZARDS IDENTIFICATION

Classification: Not classified
Label elements: Does not require labelling under the CLP Regulation (EC) No 1272/2008.
Safety instructions: Possible dust exposure due to fine dust particles.
No risk of silicosis during application.
Use product only in closed blast systems.
Other hazards: Not known.

3. COMPOSITION / INFORMATION ON INGREDIENTS

ITEM	CONTENT (%)	CAS NO.	EINECS NO.
ZrO ₂	60 - 70	1314-23-4	215-227-2
SiO ₂	28 - 33	14808-60-7	238-878-4
Al ₂ O ₃	10	1344-28-1	215-691-6

4. FIRST AID MEASURES

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

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Eye contact	Remove contact lenses and rinse the eyes with open eye lids for 10 minutes under running water.
Skin contact	Wash off with soap & water.
Inhalation	Provide the affected person with fresh air consult a doctor in case of irritation of the respiratory tract.
Ingestion	No specific advice. Consult a doctor in this case.
Advice to physician:	No specific advice. Treat according to symptoms present.

5. FIRE FIGHTING MEASURES

Extinguishing media	Adapt extinguishing measures to environment.
Unsuitable extinguishing media	None known.
Unusual fire & explosive hazards	<p>This product is not combustible or explosive.</p> <p>Consideration of dust explosion levels must however be considered where a substrate being processed creates a possible explosive dust. In this instance refer to the component/metal/substrate suppliers data pertaining to its respective characteristics.</p>
Specific hazards	None known.
Advice for fire-fighters	Wear self-contained breathing apparatus and protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	<p>Ensure adequate ventilation.</p> <p>Avoid breathing dust.</p> <p>Use appropriate personal protective equipment.</p>
Environmental protection	<p>Make sure spills can be contained.</p> <p>Do not allow to enter into surface water or drains.</p> <p>Do not allow to enter into soil/subsoil.</p>

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Spill clean-up methods	Ventilate the area thoroughly. Vacuum or sweep up material and place in a suitable container for re-cycling or disposal.
References to other sections	Section 1 - Emergency contact information Section 8 - Personal protective equipment Section 13 - Waste Disposal

7. HANDLING AND STORAGE

Precautions 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.
Conditions for safe storage	Keep dry. No other special requirements.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Engineering Measures:	Preferred methods of use are either in a blast cabinet with a dust collector or in a closed-circuit blasting system.
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If a blast room is used it must have a dust extraction system to keep dust levels below the occupational exposure limits.

Occupational Exposure Limits

Formula	CONTENT (%)	CAS NO.	EINECS NO.	Inhalable	Respiratable
ZrO ₂	60 - 70	1314-23-4	215-227-2	10 mg/m ³	4 mg/m ³
SiO ₂	28 - 33	14808-60-7	238-878-4	6 mg/m ³	2.4 mg/m ³
Al ₂ O ₃	10	1344-28-1	215-691-6	10 mg/m ³	4 mg/m ³

Industrial hygiene	Wash hands before breaks and at end of work.
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Personal Protective Equipment

Blast cabinet



Hand protection

Gloves - appropriate gauntlets

Eye protection

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	Safety glasses or tight-fitting protective goggles. EN 166
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, white / beige, round beads.
Odour	Odourless.
Explosion hazard	The product itself is not explosive, however formation of explosive air / dust mixtures is possible.
Melting point (°C)	1850 - 2550°C
Water soluble	Insoluble in water.
Specific gravity	Approximately 3.8 g/cm ³ .

10. STABILITY AND REACTIVITY

Reactivity	Non-reactive under normal conditions.
Chemical stability	Stable under normal conditions of use below 1300°C.
Possibility of hazardous reactions	No data available.
Conditions to avoid	No dangerous reactions known under normal conditions of use.

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Incompatible Materials Reacts with strong acids & bases.

Hazardous Decomposition Products No data available.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects No specific data available.

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

12. ECOLOGICAL INFORMATION

Ecotoxicity No data available.

Aquatic issues No data available.

Persistence and degradability No data available.

Bioaccumulation potential No data available.

Mobility in soil No data available.

Other harmful effects Not known.

13. DISPOSAL CONSIDERATIONS

The abrasive must be disposed of in accordance with national legislation and local regulations.

The material as supplied is classed as a non-hazardous inert solid waste.

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

Land Transport (ADR/RID) Not classified according to Transport Regulations for Hazardous/Dangerous Goods

Marine Transport (IMO/IMD) Not classified according to Transport Regulations for Hazardous/Dangerous Goods

Air Transport Not classified according to Transport Regulations for Hazardous/Dangerous Goods

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15. REGULARITY INFORMATION

EU Regulations

Ceramic bead is not classified as a dangerous product.

Not require labelling under the CLP Regulation (EC) No 1272/2008.

16. OTHER INFORMATION

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.