



## MATERIAL SAFETY DATA SHEET

### Section 1 - Identification of the Substance/Mixture and of the Company /Undertaking

#### 1.1 Product Identifier

**Product Name:** Glass Abrasive, Filter Media  
**CAS Reg No.:** --  
**EC No.:** --  
**REACH Reg.No.:** Not Applicable  
**Grades:** Coarse, Medium, Fine/Medium, Fine, Superfine and Fine Powders

#### 1.2 Relevant Identified uses of the substance or mixture and uses advised against

**Application:** Blast Media, Fillers, Filter Media, Abrasives

#### 1.3 Details of the supplier of the safety data sheet

**Supplier:** United Abrasives Limited  
Unit 90  
Gibbons Industrial Park  
High Street  
Kingswinford  
DY6 8XF  
**Contact:** Alastair Beddow

#### 1.4 Emergency Telephone Number

**Emergency Telephone** +44 (0) 1384  
598 558 (during office hours only):

### Section 2.0 Hazards Identification

#### 2.1 Classification of the substance or mixture

**67/578/EEC** : --  
**GHS/CLP** : --  
**1272/2008**  
**REACH** : --  
**1907/2006**

**Human Health:** The properties of this product are considered limited. May cause minor irritation to the skin of susceptible individuals. Dusts may irritate the eyes and respiratory tract.

**Environment:** The product is not hazardous to the environment.

#### 2.2 Label Elements

Based on the chemical composition of the material the product is not liable for classification, but the following can be applied;

Safety Data Sheets available for professional users on request.

## 2.3 Other Hazards

**PBT/vPvB:** Not relevant

## Section 3.0 Composition / Information on Ingredients

### 3.1 Substances

The product contains: Glass

Compound	Chemical Formula	Typical Content %	CAS No. / EINECS No.
Silicon Dioxide (amorphous)	SiO <sub>2</sub>	72.2	7631-86-9 / 231-545-4
Sodium Oxide	Na <sub>2</sub> O	13.3	1313-59-3 / 215-208-9
Calcium Oxide	CaO	10.9	1305-78-8 / 215-138-9
Magnesium Oxide	MgO	1.3	1309-48-4 / 215-171-9
Aluminium Oxide	Al <sub>2</sub> O <sub>3</sub>	1.5	1344-28-1 / 215-691-6

Other oxides as trace <0.5%

**Reference:** The full text for all R-phrases and hazard statements are displayed in section 16 (If applicable).

## SECTION 4 – First Aid Measures

### 4.1 Description of First Aid Measures

**Skin Contact:** Wash with soap and water.

**Inhalation:** If inhaled, immediately remove to fresh air and consult a physician. Large quantities can block the airways and stop breathing.

**Eye:** Wash immediately with plenty of water for at least 15 minutes. If the irritation persists consult a physician.

**Ingestion:** Wash mouth out and drink water. Do not induce vomiting, if symptoms persist seek medical advice.

### 4.2 Most Important Symptoms and Effects, both Acute and Delayed

**Symptoms / Effects:** Refer to section 11

### 4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

**Medical Attention / Treatment:** Not known.

## SECTION 5 – Fire-Fighting Measures

### 5.1 Extinguishing Media

**Extinguishing media:** Use fire extinguishing media appropriate to surrounding materials.

### 5.2 Special Hazards arising from the substance or mixture

**Specific Hazards:** No specific precautions.

### 5.3 Advice for Firefighters

**Protective Equipment for Firefighters:** Use respiratory protection for fire fighters appropriate for surrounding materials.

## SECTION 6 – Accidental Release Measures

### 6.1 Personal Precautions, Protective Equipment and Emergency Procedure

Personal precautions: Avoid contact with skin and eyes. Avoid dust inhalation

S22 - Do Not Breathe Dust

S25 - Avoid Contact with Eyes

S38 – In event of insufficient ventilation, wear suitable respiratory equipment

S52 – Use only well ventilated areas

### 6.2 Environmental Precautions

Environmental Precautions: Avoid release into the environment

### 6.3 Methods and material for containment and cleaning up

Methods of cleaning up: Sweep up creating a minimal amount of dust and place in a labelled container

### 6.4 Reference to other sections:

References: For personal protection, see section 8. For waste disposal, see section 13.

## SECTION 7 – Handling and Storage

### 7.1 Precautions for Safe Handling

**Safe Handling Advice:** Avoid airborne dust. Avoid spillage on floors. Use professional cleanliness and housekeeping.

S22 - Do Not Breathe Dust

S25 - Avoid Contact with Eyes

S38 – In event of insufficient ventilation, wear suitable respiratory equipment

S52 – Use only well ventilated areas

**Technical Measures:** Avoid creating airborne dust. Work practise should minimise contact.

**Technical precautions:** Local exhaust ventilation is recommended.

### 7.2 Conditions for Safe Storage, including any incompatibilities

**Technical Measures for Safe Storage:** No special precautions

**Storage:**

**Storage Conditions:** Keep at an ambient temperature in dry sealed containers / bags

### 7.3 Specific End Uses(s)

**Specific Use(s):** Shotblasting, Surface Finishing, Anti Slip Additive, Fillers, Filtration Media

## SECTION 8 – Exposure Controls

### 8.1 Control Parameters

#### 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 does not have a WEL and is classified as a general dust.

The following statement applies to glass 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 controlled based on published information.

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

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 10 mg/m<sup>3</sup> 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).

## 8.2 Exposure Controls

**Engineering Controls :** Use ventilation equipment if dusty conditions prevail when handling.

**Respiratory Protection:** CE marked or HSE approved shotblasting helmet to EN146. Ancillary workers should use a P2 dust respirator.

**Skin Protection :** Personal Protective Clothing should be worn at all times.

**Eye Protection :** Safety glasses with side shields/suitably approved impact resistant eye protectors.

**Hand Protection:** Wear protective gloves

**Environmental Exposure** Not available

**Controls:**

## SECTION 9 – Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

**Appearance:** Solid, multi-coloured or white / off white, powder or grit

**Odour:** Odourless

**pH:** Mildly alkaline in aqueous solution (8-9).

**Boiling Point:** NA

**Flash Point:** NA

**Relative Density:** 2.52-2.55

**Solubility:** Insoluble in water

### 9.2 Other Information

**Other Data:** VOC (Volatile Organic Substances) : 0 g/l

## SECTION 10 – Stability and Reactivity

### 10.1 Reactivity

**Reactivity:** Not known

### 10.2 Chemical Stability

**Stability:** Stable under normal temperature conditions

### 10.3 Possibility of Hazardous Reactions

**Hazardous Reactions:** None known

#### 10.4 Conditions to Avoid

**Conditions / Materials to Avoid:** None known

**10.5 Incompatible Materials:** None known

#### 10.6 Hazardous Decomposition Products

**Hazardous Decomposition Products:** Not relevant

### SECTION 11 – Toxicological Information

#### 11.1 Information on toxicological effects

**Inhalation:** Dusts may irritate the throat / respiratory tract  
**Skin Contact:** Irritation and dry skin may be caused and/or splinter ingress.  
**Eye Contact:** May cause irritation to the eyes in dust format  
**Ingestion:** May cause irritation  
**Specific Effects:** None known

### SECTION 12 – Ecological Information

#### 12.1 Toxicity

**Ecotoxicity:** This product is not expected to be hazardous to the environment

#### 12.2 Persistence and Biodegradability

**Degradability:** This product is not biodegradable

#### 12.3 Bioaccumulative Potential

**Bioaccumulative Potential:** No data available

#### 12.4 Mobility in Soil

**Mobility:** No data available

#### 12.5 Results of PBT / vPvB assessment

**PBT/vPvB:** Not relevant

#### 12.6 Other Adverse Effects

**Other adverse effects:** None known

### SECTION 13 – Disposal Considerations

#### 13.1 Waste Treatment Methods

Dispose of waste and residues in accordance with local authority requirements and where National laws require / differ. Please note when used as a shotblast materials / surface finishing media the removed product or coating might contaminate the material and the addition of these might affect the classification of the waste for onward disposal

**Waste Coding:** If used as blast media / shotblast and no dangerous /hazardous materials/coatings are processed the EWC Code 12-01-17 (waste blasting materials other than those mentioned in 12-01-16), if hazardous materials are likely to be present seek clarification and testing, in which case EWC 12-01-16 (waste blasting materials containing dangerous substances)  
Wastes from other applications will invoke different EWC code, check with your waste management advisor / supplier.

### SECTION 14 – Transport Information

The product is not covered by international regulation on the transport of dangerous goods

(IMDG, IATA, ADR/RID).

**14.1 UN Number**

UN No. --

**14.2 UN proper shipping name**

Proper Shipping Name: --

**14.3 Transport hazard class(es)**

Class: --

**14.4 Packing Group**

PG: --

**14.5 Environmental Hazard**

Marine Pollutant: --

Environmentally Hazardous --

Substance:

**14.6 Special precaution for user**

Special precaution: --

**14.7 Transport in bulk according to Annex II of Marpol 73/78 and the IBC Code**

Transport in Bulk: Not relevant

## SECTION 15 – Regulatory Information

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

**National Regulation:** Regulation (EC) No. 1907/2006 of the European Parliament and the Council of 18/12/2006 regarding the Registration, Evaluation and Authorisation and Restriction of Chemicals (REACH). Regulation (EC) No. 1272 / 2008 of the European Parliament and the Council of 16 /12/2008 on classification, labelling and packaging of substances and mixtures amending reg 1907/2006 with amendments. EH40/2005 with amendments of 2007.

This product remains exempt under registration under REACH criteria on the basis of a fully familiar product, soda lime glass and its recycled content.

This product is exempt under CLP labelling requirements.

## SECTION 16 – Other Information

**Use:** These products are to be used for the purposes given by the supplier. For other applications the advice of the supplier should be sought regarding any additional hazards that may arise.

The information issued in the safety data sheet is accurate to the best of our knowledge but is given without warrant to its accuracy, reliability or completeness. The use of the material is beyond our control, therefore we do not accept liability for any loss or damage which may arise, resulting in directly or indirectly from the use of such information.