



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

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

**Product name:** SAFTIGRIT BROWN  
**Contains:** Brown Fused Aluminium Oxide  
**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](mailto:info@guyson.co.uk)

**Emergency contact number:** +44 (0)1756 799911

### 2. HAZARDS IDENTIFICATION

**Environment:** Not subject to labelling requirements under the CLP regulation (EC) No 1272/2008.

The material is not considered hazardous in normal use but the following potential hazards should be recognised.

Dust – inhalation  
Skin irritation in susceptible individuals  
Noxious fumes may evolve during fire

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

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

ITEM	CONTENT (%)	CAS NO.	EINECS NO.
Al <sub>2</sub> O <sub>3</sub>	95.65	1344-28-1	215-691-6
TiO <sub>2</sub>	2.42	13463-67-7	236-675-5
SiO <sub>2</sub>	0.92	7631-86-9	231-545-4
Fe <sub>2</sub> O <sub>3</sub>	0.12	1309-37-1	215-168-2
CaO & MgO	0.57	1313-59-3 12136-45-7	215-208-9 235-227-6
Na <sub>2</sub> O & K <sub>2</sub> O	<0.01	1313-59-3 12136-45-7	215-208-9 235-227-6

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### 4. FIRST AID MEASURES

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

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	Rinse out mouth and drink water. Do NOT induce vomiting.
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 will not ignite as a dust in its own right in any suspended dust concentrations.</p> <p>The product is an inert thermal resistant electro mineral up to its physical decomposition point.</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.

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### 6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Ensure adequate ventilation. Avoid breathing dust. Use appropriate personal protective equipment.
Environmental protection	Make sure spills can be contained. Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.
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	Fused alumina 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.
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.
	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	All dusts have been assigned exposure limits. The following information has been taken from Guidance Note EH40/2005 from the Health and Safety Executive.

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Compound	Formula	Typical Content %	CAS No	EC No	Exposure Limit Values as per EH40/2005 WELs(UK)	
					Total inhalable	Respirable
Aluminium Oxide	Al <sub>2</sub> O <sub>3</sub>	>88	1344-28-1	215-691-6	10mg/m <sup>3</sup>	4mg/m <sup>3</sup>
Silicon Dioxide (amorphous)	SiO <sub>2</sub>	0.6-1.2	7631-86-9	231-545-4	6 mg/m <sup>3</sup>	2.4 mg/m <sup>3</sup>
Titanium Dioxide	TiO <sub>2</sub>	2.3-3.5	13463-67-7	236-675-5	10 mg/m <sup>3</sup>	4 mg/m <sup>3</sup>
Iron Oxide	Fe <sub>2</sub> O <sub>3</sub>	0.4	1309-37-1	215-168-2	-	5 mg/m <sup>3</sup>
Other total oxides, trace amounts						

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. 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.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Solid, brown, angular particles.
Odour	Odourless.
Explosion hazard	The product is not explosive, however formation of explosive air / dust mixtures is possible.
Melting point (°C)	Approx. 2,000.
pH-value	NMA (Not meaningfully applicable).
Flash point (°C)	Not determined as product is not flammable.
Ignition temperature	Not determined as product is not flammable.
Water soluble	Insoluble in water.
Specific gravity	Approx. 3.9 to 4.1 g/cm <sup>3</sup> .

### 10. STABILITY AND REACTIVITY

Reactivity	Not applicable.
Chemical stability	Stable under normal conditions
Possibility of hazardous reactions	No hazardous reactions known.
Conditions to avoid	Excessive thermal exposure to decomposition points
Incompatible Materials	None known
Hazardous Decomposition Products	None, products change from solids to liquids with no adverse decomposition.

### 11. TOXICOLOGICAL INFORMATION

Laboratory Data: These materials have been tested for toxicity in line with REACH requirements for submission of the technical dossier as part of the registration for High Volume Industrial Substance. They are not classified under EC directives.

Human Data: The human data available is compiled as part of the REACH Registration technical



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Dossier under joint submission for Aluminium Oxides. It is not classified under EC Directives and exposure controls should be adhered to. Ref section 8

### 12. ECOLOGICAL INFORMATION

Assessment: Handled correctly these products pose no serious environmental hazard.

Test Results: 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 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

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

### 15. REGULARITY INFORMATION



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

The product is not hazardous according to Directive 67/548/CE and 1272/2008/CE.

This product has been REACH registered under submission number **JL942654-25** and REACH Registration number **01-2119529248-35-0096**.

Labelling Requirement

Not subject to labelling in accordance with current regulations.

### 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.