

## Safety Data Sheet Aquagrit

Trade Name: Aquagrit  
Grades: Coarse, Medium and Fine  
Original Issue Date: September 2012 (as MSDS 39)  
This Issue: January 2016

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

- 1.1
- |                      |   |
|----------------------|---|
| Product Name:        | Aquagrit                                      |
| Product Description: | A blend of crushed glass and calcium silicate |
| 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](mailto: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. The product 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

The silica contained within the product is bonded and therefore the material contains far less than 1% free silica. The silica within the product is amorphous/crystalline.

Substance	Formula	Composition %
Silica Oxide	SiO <sup>2</sup>	55-70
Sodium Oxide	Na <sup>2</sup> O	5-10
Calcium Oxide	CaO	16-26
Aluminium Oxide	Al <sup>2</sup> O <sup>3</sup>	4-12
Magnesium Oxide	MgO	2-4
Potassium Oxide	K <sup>2</sup> O	0.1-0.5
Sulphur Trioxide	SO <sup>3</sup>	0.1-0.2
Iron Oxide	Fe <sup>2</sup> O <sup>3</sup>	1-3
Manganese Oxide	MnO	0.1-0.5
Zinc Oxide	ZnO	0.1-0.2
Lead Oxide	PbO	0.1-0.2
Copper Oxide	CuO	0.1-0.2
Tin Oxide	SnO	0.1-0.2
Free Silica		<0.1%

Eyes and throat can become irritated when exposed to too high concentrations. May cause skin irritation. There is no significant immediate health, physical or environmental hazards.

## 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

Aquagrit 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. WELs for silica amorphous are 6mg/mg<sup>3</sup> (inhalable) and 2.4mg/m<sup>3</sup> (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>	1250°C
<i>Initial boiling point and range:</i>	Not applicable
<i>Relative Density (ref water at 20°C):</i>	2.6kgs/dm <sup>3</sup>
<i>Bulk Density:</i>	1.45kgs/dm <sup>3</sup>
<i>Solubility:</i>	Not soluble
<i>Hardness:</i>	6 Moh
<i>Chloride Content:</i>	<25ppm
<i>Conductivity:</i>	<25ms/m

## 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:** Not applicable

**Delayed (sub chronic and chronic) effects:** Not applicable

**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. 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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