

SAFETY DATA SHEET

Grout Renue 'n' Seal

This Safety Data Sheet contains information concerning the potential risks to those involved in handling, transporting and working with the material, as well as describing potential risks to the consumer and the environment. This information must be made available to those who may come into contact with the material or are responsible for the use of the material. This Safety Data Sheet is prepared in accordance with formatting described in the REACH Regulation (EC) No 1907/2006, and described in CLP Regulation (EC) No 1272/2008.

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

- 1.1 Product identifier**
Grout Renue'n'Seal
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
Coloured Grout Sealer, Assorted Colours
- 1.3 Details of the supplier of the safety data sheet**
All for Stone Limited
4 Gardd Yr Gwanwyn
Northrop Hall
Mold
Flintshire
CH7 6GA
Mold, Wales, U.K.
Tel: + 44 (0)1244 819939
Email: info@celtexagencies.co.uk
- 1.4 Emergency telephone number**

Tel. + 44 (0)1244 819939, 08:00 to 17:30 GMT

SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture

This product does not meet the criteria for classification as harmful according to Directive 1999/45/EC or the CLP Regulation (EC) no 1272/2008.

2.2 Label elements

Labelling in accordance with the Dangerous Preparations Directive 1999/45/EC and CLP Regulation (EC) No 1272/2008/

No labelling required.

2.3 Other hazards

Contains crystalline silica in low concentrations (less than 1% respirable crystalline silica). Inhalation risks are low in the form supplied as a liquid, and mixed into wet grout. Hazardous dusts may be produced from dried grout during operations such as grinding, sanding, drilling, etc. Prolonged and/or massive inhalation of respirable crystalline silica dust may cause lung fibrosis, commonly referred to as silicosis. Principal symptoms of silicosis are cough and breathlessness. Occupational exposure to respirable crystalline silica dust should be monitored and controlled.

SECTION 3: Composition**3.1 Substances**

Not applicable – product is a mixture.

3.2 Mixtures

Name	CAS No	Concentration (% w/w)	Classification
Calcium Carbonate	1317-65-3	10 - 30	Not classified as hazardous
Titanium Dioxide	13463-67-7	7 - 13	Not classified as hazardous
Silicon Dioxide (<10% respirable crystalline silica)	14808-60-7	5-10	Xn; R48/20 STOT RE 2 H373
Iron Oxide	1309-37-1	1 - 5	N; R51/53 Aquatic Chronic 2 H411
Texanol Ester Alcohol	25265-77-4	1 - 5	Not classified as hazardous
Ethylene glycol monobutyl ether	111-76-2	0 - 1	Xn; R20/21/22 Xi; R36/38 Acute Tox. 4 * H332 Acute Tox. 4 * H312 Acute Tox. 4 * H302 Eye Irrit. 2 H319 Skin Irrit. 2 H315
Carbon Black	1333-86-4	<1%	Not classified as hazardous
Water and other non-hazardous ingredients		balance	

See section 16 for full description of R phrases and H statements.

SECTION 4: First Aid Measures**4.1 Description of first aid measures**

EYE CONTACT: Wash thoroughly with water for at least 5 minutes. Seek medical attention if signs of irritation or discomfort occur.

INHALATION: Remove from exposure. If breathing becomes difficult call a doctor.

SKIN CONTACT: Wash off with soap and water. Obtain medical advice if continued signs of irritation or discomfort are noted. Wash contaminated clothing before re-use.

INGESTION: If swallowed, rinse mouth with water. Seek medical attention if discomfort occurs

4.2 Most important symptoms and effects, both acute and delayed

EYE: May cause slight irritation, stinging, redness, watering eyes.

INHALATION: Irritation of the respiratory tract (nose, throat), coughing, breathing difficulties.

SKIN: Prolonged and repeated exposure may cause redness, drying and cracking of skin.

INGESTION: Nausea, vomiting

4.3 Indication of any immediate medical attention and special treatments needed

Symptomatic treatment as required

SECTION 5: Firefighting Measures**5.1 Extinguishing media**

Product is not flammable. There are no known adverse reactions to any normal extinguishing media. Use extinguisher appropriate to surrounding conditions.

5.2 Special hazards arising from the substance or mixture

None expected.

5.3 Advice for fire fighters

In case of fire, wear fire kit and positive pressure self contained breathing apparatus.

SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Isolate the spill area and keep unnecessary personnel away. Ensure adequate ventilation. Wear suitable protective clothing including gloves and eye protection. See section 8 for further details.

6.2 Environmental precautions

Prevent further leakage or spillage. Keep away from drains, surface and ground-water and soil. If large quantity of product does enter waterways or sewerage system, inform appropriate authorities.

Diluted product and washings may be discharged into foul-water systems leading to waste water treatment plants.

6.3 Methods and materials for containment and cleaning up

SMALL SPILLS: Spills of up to 1 litre can be absorbed in a non-combustible absorbent, e.g. sand or vermiculite, and place in a suitable container and label for disposal.

LARGE SPILLS: Contain spill and cover if possible to prevent spreading of spilled material. Absorb spilled liquid with suitable material such as dirt or sand. Place in appropriate container and label for disposal.

6.4 References to other sections

See section 8 for further advice on protective equipment and section 13 for further advice on disposal.

SECTION 7: Handling and Storage

7.1 Precautions for safe handling

Open containers slowly, on a stable surface. Avoid contact with skin and eyes. Do not breathe sprays or mists. Use only in a well-ventilated location. As with any chemical, employees should thoroughly wash hands with soap and water after handling this material. Do not eat or drink while handling this material.

7.2 Conditions for safe storage, including any incompatibilities

Store containers in a cool, dry location, away from direct sunlight, sources of intense heat, or where freezing is possible. Store containers away from incompatible chemicals. Keep container tightly closed when not in use.

7.3 Specific end uses(s)

Inhalation risks are low in the form supplied as a liquid, and mixed into wet grout. Hazardous dusts may be produced from dried grout during operations such as sanding, drilling, etc. and precautions to minimise dust inhalation should be taken, including the use of ventilation and dust extraction where possible to reduce exposures below occupational exposure limits and the use of suitable respirators that comply with the requirements of European and national legislation. See section 16 for further information.

SECTION 8. Exposure Controls/Personal Protection

8.1 Control parameters

Substance	8 hour exposure limit	15 minute exposure limit	Source, Type
Crystalline silica	0.1 mg/m ³		EH40 2007

8.2 Exposure controls

Engineering controls

Normal room ventilation is usually adequate.

Respiratory protection

Not normally required. If adequate ventilation is unavailable, use approved air-purifying respirator with organic vapour cartridge or canister.

Hand Protection

Wear suitable gloves. Rubber may provide adequate protection, but glove manufacturer's recommendations should always be checked first. Change gloves in accordance with manufacturer's recommendations. If gloves are damaged during use, remove immediately and wash hands before replacing with new gloves.

Eye protection

Wear safety glasses or goggles meeting the requirements of BS EN166 3 (protection against liquid droplets/splashes).

Skin protection

Coveralls recommended. These should be changed after use or if contaminated. Wash before re-use.

Environmental exposure controls

When handling small quantities (less than 1 litre), no special precautions required. If handling bulk material, precautions should be taken to avoid accidental release to water courses.

SECTION 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance:	Coloured opaque liquid
Odour:	Slight
Odour threshold:	No data
pH:	8.2
Melting point:	Similar to water
Boiling point:	Similar to water
Flashpoint:	> 100°C
Evaporation rate:	Similar to water
Flammability (solids, gases):	Not applicable
Upper/lower flammability limits:	Not flammable
Vapour pressure:	Similar to water
Vapour density	No data
Relative density	1.31
Solubility in water:	Dispersible
Solubility in other solvents:	No data
Partition coefficient (log Kow):	No data
Autoignition temperature:	No data
Decomposition temperature:	No data
Viscosity	No data
Explosive properties	Not explosive
Oxidising properties	Not oxidising

9.2 Other information

VOC Content	90 grams/litre
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SECTION 10: Stability and Reactivity

10.1 Reactivity

Not expected to be dangerously reactive.

10.2 Chemical stability

Expected to be stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous polymerisation will not occur. Avoid contact with incompatible materials (see section 10.5)

10.4 Conditions to avoid

Avoid exposure to excessive temperatures.

10.5 Incompatible materials

Avoid water-reactive materials, heat or contact with peroxides or other catalysts.

10.6 Hazardous decomposition products

SECTION 11: Toxicological Information

11.1 Information on toxicological effects

This product has not been tested. Judgements on the expected toxicity of this product have been made based upon consideration of its major components.

- (a) acute toxicity** Not expected to be acutely toxic. Accidental ingestion may cause discomfort, nausea and vomiting.
- (b) skin corrosion/irritation** Not classified as irritating to skin. Prolonged exposures may cause dryness of the skin.
- (c) serious eye damage/irritation** Not classified as irritating to eyes. May cause mild irritation if the product gets into the eye.
- (d) respiratory/skin sensitisation** Contains no substances classified as sensitising.
- (e) germ cell mutagenicity** Contains no substances classified as germ cell mutagens.
- (f) carcinogenicity** Contains no substances classified in the EU as carcinogens.

Carbon black has been classified by IARC as a category 2B carcinogen.

Crystalline silica has been classified by IARC as a category 1 carcinogen. Reviews of data on the health effects of silica, including by the EU Scientific Committee on Occupational Exposure Limits and the UK Health and Safety Executive have concluded that the main effect in humans of the inhalation of respirable crystalline silica dust is silicosis. The evidence suggests that an increased risk of lung cancer is likely to occur only in those workers who have developed silicosis. Therefore preventing the onset of silicosis will also reduce the cancer risk. Worker protection against silicosis should be assured by respecting the existing regulatory occupational exposure limits and implementing additional risk management measures where required (see section 16 below).
- (g) reproductive toxicity** Contains no substances classified as reproductive toxins
- (h) STOT-single exposure** Contains no substances classified as causing specific target organ toxicity (STOT) on single exposure.

- (i) STOT-repeated exposure** This product contains quartz (respirable) as an impurity. Prolonged and/or massive exposure to respirable crystalline silica-containing dust may cause silicosis, a nodular pulmonary fibrosis caused by deposition in the lungs of fine respirable particles of crystalline silica.
- (j) aspiration hazard** Not classified as causing aspiration toxicity.

SECTION 12: Ecological Information

12.1 Toxicity

Contains iron oxide which may cause adverse effects in the environment. However, at the concentrations present, this product is not classified as hazardous to the environment.

12.2 Persistence and degradability

The organic components are all considered to be biodegradable.

12.3 Bioaccumulative potential

None of the components are considered to be bioaccumulative

12.4 Mobility in soil

The inorganic components are of low solubility. The organic components are miscible in water.

12.5 Results of PBT and vPvB assessment

A PBT/vPvB assessment has not been carried out, however none of the components are expected to meet these criteria.

12.6 Other adverse effects

None known.

SECTION 13: Disposal Considerations

13.1 Waste treatment methods

Waste should be treated as hazardous chemical waste in a manner that complies with local regulations. Advice should be sought from local agencies.

The containers should be rinsed thoroughly with water and can be disposed of as non-hazardous waste.

SECTION 14: Transport Information

Not classified as hazardous for transport.

	ADR	IMDG	ICAO
14.1 UN Number	Not required	Not required	Not required
14.2 UN Proper shipping name	Not required	Not required	Not required
14.3 Transport hazard class(es)	Not required	Not required	Not required
14.4 Packing group	Not required	Not required	Not required
14.5 Environmental hazards	Not required	Not required	Not required
14.6 Special precautions for user	Not required	Not required	Not required
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable	Not applicable	Not applicable

SECTION 15: Regulatory Information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

All components are listed as existing substances in Europe

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out for this product.

SECTION 16: Other Information**Revision information:**

This is the first SDS prepared in accordance with EU Regulations.

List of Abbreviations used in this SDS:

CAS Chemical Abstracts Service
CLP Classification, Labelling and Packaging Regulation (EC) no 1272/2008
DSD Dangerous Substances Directive 67/548/EEC
DPD Dangerous Preparations Directive 1999/45/EC
EC European Community/Commission
PBT Persistent, Bioaccumulative and Toxic
REACH Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) no 1907/2006
vPvB very Persistent, very Bioaccumulative

References:

CLP Regulation (EC) no 1272/2008
EH40/2007
ECHA Chem – Information on registered substances
<http://www.crystallinesilica.eu/rcs-health-assessmen.html>
<http://www.carbon-black.org/health.html>

Method used for classification of mixtures:

Ingredient based approaches

R Phrases and H Statements used in Section 3

R20/21/22 Harmful by inhalation, in contact with skin and if swallowed
R36/38 Irritating to eyes and skin
R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H373 May cause damage to organs through prolonged or repeated exposure
H410 Very toxic to aquatic life with long lasting effects.

Training requirements for workers

Workers must be informed of the presence of crystalline silica and trained in the proper use and handling of this product as required under applicable regulations.

Further information

A multi-sectoral social dialogue agreement on Workers Health Protection through the Good Handling and Use of Crystalline Silica and Products Containing it was signed on 25 April 2006. This autonomous agreement, which receives the European Commission's financial support, is based on a Good Practices Guide. The requirements of the Agreement came into force on 25 October 2006. The Agreement was published in the

Official Journal of the European Union (2006/C 279/02). The text of the Agreement and its annexes, including the Good Practices Guide, are available from <http://www.nepsi.eu> and provide useful information and guidance for the handling of products containing respirable crystalline silica. Literature references are available on request from EUROSIL, the European Association of Industrial Silica Producers,