

NEW

Smart & Simple Water-Based Epoxy Grout



Manufacturer's Material Safety Data Sheet

Base



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Manufacturer's Material Safety Data Sheet

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Complying with 1907/2006/EEC Regulation of 18 December 2006 ("REACH Regulation") and REGULATION (EC) No 1272/2008 (CLP)

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

1.1 Product identifier

Product name: Epoxy Grout - Base
Trade Name: SMART & SIMPLE

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Epoxy Grout base for ceramic and stone tiles

1.3 Details of the supplier of the safety data sheet

Company Name: Smartified Solutions Ltd.

Company Address: 1 Greenland Street
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London, NW1 0ND
UNITED KINGDOM

Company Tel: +44 (0)7961 068763

Contact Name: Ori Lamm

E-mail address of person responsible for this SDS:

info@smartified.co.uk

1.4 Emergency telephone number

Emergency telephone number (including hours of operation):

+44 (0)7961 068763

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SECTION 2: Hazards identifications

2.1 Classification of the substance or mixture

Classification in accordance with Regulation (EC) No. 1272/2008 (CLP/GHS)

Product name	GHS Classification
Grout Epoxy Base	Skin corrosion/irritation, Category 2, H315 Skin sensitization, Category 1, H317 Serious eye damage/irritation, Category 2, H319 Hazardous to the aquatic environment, Chronic Category 3, H411

2.2 Label elements

Labeling in accordance with Regulation 1272/2008 (CLP)

Hazard pictograms:



Signal word: **WARNING**

Hazard statements:

H315 Causes skin irritation
H317 May cause an allergic skin reaction
H319 Causes serious eye irritation
H412 Harmful to aquatic life with long lasting effects

Precautionary Statements:

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 Wash skin thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P362 Take off contaminated clothing and wash before reuse.

Supplemental Hazard Statements:

None

2.3 Other hazards

None known.

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SECTION 3: Composition / Information on ingredients

Mixture:

Product/ Ingredient name	Identifiers	%	GHS Classification
Diglycidyl ether of Bisphenol A	CAS number: 25068-38-6 EC number: 500-033-5 Index No: 603-074-00-8	14 %	Acute Toxicity, Oral, Category 4, H302 Skin corrosion/irritation, Category 2, H315 Skin sensitization, Category 1, H317 Serious eye damage/irritation, Category 2, H319 Hazardous to the aquatic environment, Chronic Category 2, H411

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in section 8.
See section 16 for the full text of the H-statements and R-phrases declared above.

SECTION 4: First Aid measures

4.1 Description of first aid measures

Eyes contact: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. Get medical attention.

Skin contact: Flush contaminated skin with plenty of water. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 20 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Ingestion: Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11.

4.3 Indication of any immediate medical attention and special treatment needed

If any symptoms are observed, contact a physician and give them this SDS sheet.

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SECTION 5: Firefighting Measures

5.1 Extinguishing media

Suitable: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable: None known.

5.2 Special hazards arising from the substance or mixture

Carbon dioxide, metal oxide/oxides, silicon oxides may be formed.

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information

No data available.

SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders

If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable protective equipment. See also the information in "For non-emergency personnel".

6.2 Environmental precautions

Avoid dispersal of spilled material and runoff, and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways or air).

6.3 Methods and materials for containment and cleaning up

Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labelled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

6.4 Reference to other sections

See Section 1 for emergency contact information.

See Section 13 for disposal information.

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SECTION 7: Handling and Storage

7.1 Precautions for safe handling

Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store to minimize dust generation. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

7.3 Specific end use(s):

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

SECTION 8: Exposure Control / Personal Protection

8.1 Control parameters

Occupational exposure limit values:

Ingredient name	CAS Number	Occupational exposure limits	Source
Diglycidyl ether of Bisphenol A	25068-38-6	No occupational exposure limit values	UK. EH40 WEL – Workplace Exposure Limits

8.2 Exposure controls

Appropriate Engineering Measures

If user operations generate dust, fumes, gas, vapour or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. Engineering controls may be required to control the primary or secondary risks associated with this product.

Personal Protective Measures

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N99 (US) or type P2 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

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Body protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved, and should be approved by a specialist before handling this product.

Eye/face protection: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

Skin protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Thermal hazards: None known.

Environmental exposure controls: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

SECTION 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance:	Paste
Colour:	White
Odour:	No data available
Odour threshold:	No data available
pH:	No data available
Melting point/Freezing point:	>300°C
Initial boiling point and boiling range:	No data available
Flash point:	Not relevant
Evaporation rate:	No data available
Flammability (solid, gas):	No data available
Upper/lower flammability or explosive limits:	No data available
Vapour pressure (at 760 mmHg, @20°C):	No data available
Vapour density (air=1):	No data available
Relative Density @25°C:	1.4 – 1.5 gr/ml
Solubility[ies]:	No data available
Partition coefficient n-octanol/Water:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	>300°C
Viscosity:	300 – 500,000 CPs
Explosive properties:	No data available
Oxidising properties:	No data available

9.2 Other information: None known

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SECTION 10: Stability and Reactivity

10.1 Reactivity

No data available.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

Avoid contact with incompatible materials (see below).

10.5 Incompatible materials

Materials to avoid include; powerful oxidising agents such as fluoride, boron trifluoride, chlorine trifluoride, manganese trifluoride, and oxygen defluoride. Contact of these materials may cause fire and/or explosions. Silica dissolves in hydrofluoric acid producing a corrosive gas – silicon tetrafluoride.

10.6 Hazardous Decomposition products

Will not spontaneously occur. Silica-containing respirable dust particles may be generated by handling. In the event of fire: see section 5

SECTION 11: Toxicological Information

11.1 Information on toxicological effects

Routes of exposure: Dermal contact. Eye contact. Inhalation. Ingestion.

Acute toxicity:

Product/ingredient name	Test	Species	Dose
Diglycidyl ether of Bisphenol A	LD ₅₀ Oral	Rat	1000 - 5000 mg/kg
	LC ₅₀ Inhalation	Rat	-
	LD ₅₀ Dermal	-	1200 – 20000 mg/kg

Skin corrosion/irritation: Based upon information available on the known components, the product may cause moderate skin irritation.

Serious eye damage/eye irritation: Based upon information available on the known components, the product is expected to cause eye irritation.

Respiratory sensitization: Based upon information available on the known components, the product is not expected to cause respiratory sensitization.

Skin sensitization: Based upon information available on the known components, the product is expected to cause skin sensitization.

Germ cell mutagenicity: Based upon information available on the known components, the product is not anticipated to be a mutagen.

Carcinogenicity: Based upon information available on the known components, the product is not expected to be a carcinogen.

Reproductive toxicity: Based upon information available on the known components, the product is not anticipated to cause reproductive toxicity.

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**Specific target organ toxicity -
Single exposure:**

Based upon information available on the known components, the product is not expected to cause specific target organ toxicity after single exposure.

**Specific target organ toxicity-
Repeat exposure:**

Based upon information available on the known components, the product is not expected to cause specific target organ toxicity after repeated exposure.

Aspiration hazard:

Based upon information available on the known components, the product is not anticipated to be an aspiration hazard.

Other effects:

No other known significant effects or critical hazards

SECTION 12: Ecological Information

12.1 Toxicity:

Substance name	Toxicity to fish / other aquatic invertebrates
Diglycidyl ether of Bisphenol A	Toxicity to fish mortality LC50 – no data available Toxicity to daphnia and other aquatic invertebrates LC50 – no data available Toxicity to algae EC50 – no data available

12.2 Persistence and Degradability:

No data available

12.3 Bioaccumulative potential:

No data available

12.4 Mobility in soil:

No data available

12.5 Results of PBT and vPvB assessment:

No data available.

12.6 Other adverse effects:

Harmful to aquatic life with long lasting effects.

12.7 Additional information:

None available

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SECTION 13: Disposal Considerations

13.1 Waste treatment methods:

Hazardous waste: YES

Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Dispose of waste materials in accordance with applicable federal, state, and local laws and regulations.

Contaminated packaging

Dispose of as unused product.

SECTION 14: Transport Information

International transport regulations

14.1 UN number:

ADR/RID: Not regulated

IMDG: Not regulated

IATA: Not regulated

14.2 Proper shipping name:

ADR/RID: Not regulated under ADR

IMDG: Not regulated under IMDG

IATA: Not regulated under IATA

14.3 Transport hazard class[es]

ADR/RID: Not applicable

IMDG: Not applicable

IATA: Not applicable

14.4 Packing group

ADR/RID: Not applicable

IMDG: Not applicable

IATA: Not applicable

14.5 Environmental hazard

Marine Pollutant: Yes

14.6 Special precautions for user

No data available

14.7 Transport to bulk according to Annex II of MARPOL 79/78 and the IBC Code

No data available

SECTION 15: Regulatory Information

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

This safety datasheet complies with the requirements of:

EU Directives 67/548/EEC and 1999/45/EC (including amendments)

EU Regulation (EC) No.1907/2006 (REACH), No 1272/2008 (CLP)

15.2 Chemical safety assessment

No data available

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SECTION 16: Other Information

Full text of H-Statements referred to under sections 2 and 3.

Acute Tox.	Acute toxicity
Aquatic chronic	Chronic aquatic toxicity
Eye Irrit.	Eye irritation
Skin Irrit.	Skin irritation
Skin Sens.	Skin sensitization

H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H411	Toxic to aquatic life with long-lasting effects
H412	Harmful to aquatic life with long-lasting effects

Training advice: Before using/handling the product one must read carefully present MSDS.

Abbreviations and acronyms:

CAS:	Chemical Abstracts Service (division of the American Chemical Society)
IMDG:	International Maritime Code for Dangerous Goods
IATA:	International Air Transport Association
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals
EC50:	Half maximal effective concentration
LC50:	Lethal concentration, 50 percent
LD50:	Lethal dose, 50 percent

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