

# Grout Cleaner - Safety Data Sheet

according to 1907/2006/EC, Article 31

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

### · 1.1 Product identifier

· Trade name: Grout Cleaner

· Product Code: 257107

· UFI: GS1Y-HQD2-800Y-ACD2

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

#### · Life cycle stages

IS Use at industrial Sites

C Consumer use

#### · Sector of Use

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

SU21 Consumer uses: Private households / general public / consumers

· Technical function *Cleaning agent*

· Application of the substance / the mixture *Cleaning agent*

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

#### · Manufacturer/Supplier:

Supplier:

T.I Midwood & Co. Ltd

TIMCO House

Green Lane

Wardle

Nantwich

CW5 6BJ

T.I Midwood & Co. Ltd

Aviemore House

Hill Street

Monahan

Ireland

Emergency Help Line: 01865 407333 (24 hour service)

## SECTION 2: Hazards identification

### · 2.1 Classification of the substance or mixture

· Classification according to Regulation (EC) No 1272/2008 *The product is not classified, according to the CLP regulation.*

### · 2.2 Label elements

· Labelling according to Regulation (EC) No 1272/2008 *Void*

· Hazard pictograms *Void*

· Signal word *Void*

· Hazard statements *Void*

· Precautionary statements

P102 *Keep out of reach of children.*

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P260 Do not breathe spray.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

· **Additional information:**

EUH208 Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

· **2.3 Other hazards** The product does not contain any organic halogen compounds (AOX), nitrates, heavy metal compounds.

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

## SECTION 3: Composition/information on ingredients

· **3.2 Mixtures**

· **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS: 34590-94-8 EINECS: 252-104-2 Reg.nr.: 01-2119450011-60-xxxx	(2-methoxymethylethoxy)propanol substance with a Community workplace exposure limit	2.5-5%
CAS: 5949-29-1 EC number: 611-842-9	1,2,3-Propanetricarboxylic acid, 2-hydroxy-, monohydrate ⚠ Eye Irrit. 2, H319	1-2.5%
· <b>Additional information: Ingredients according to Detergents Regulation 648/2004/EC</b>		
Amphoteric surfactants		<5%
Preservation agents (BENZISOTHIAZOLINONE), Perfumes		

## SECTION 4: First aid measures

· **4.1 Description of first aid measures**

· **General information:** Immediately remove any clothing soiled by the product.

· **After inhalation:** Supply fresh air; consult doctor in case of complaints.

· **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.

· **After swallowing:** If symptoms persist consult doctor.

· **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.

· **4.3 Indication of any immediate medical attention and special treatment needed** No further relevant information available.

## SECTION 5: Firefighting measures

· **5.1 Extinguishing media**

· **Suitable extinguishing agents:**

Alcohol resistant foam

Carbon dioxide

Dry sand

· **5.2 Special hazards arising from the substance or mixture** During heating or in case of fire poisonous gases are produced.

· **5.3 Advice for firefighters**

· **Protective equipment:**

Mount respiratory protective device.

Wear self-contained respiratory protective device.

Do not inhale explosion gases or combustion gases.

Wear fully protective suit.

## SECTION 6: Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures**

Mount respiratory protective device.

Remove persons from danger area.

· **6.2 Environmental precautions:** No special measures required.

· **6.3 Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, universal binders).

Ensure adequate ventilation.

· **6.4 Reference to other sections**

See Section 7 for information on safe handling.

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See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Store in cool, dry place in tightly closed receptacles.  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.

· **Information about fire - and explosion protection:** Keep respiratory protective device available.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Storage:

· **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.

· **Information about storage in one common storage facility:** Not required.

· **Further information about storage conditions:** None.

· **7.3 Specific end use(s)** No further relevant information available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

· **Additional information about design of technical facilities:** No further data; see item 7.

· **Ingredients with limit values that require monitoring at the workplace:**

**CAS: 34590-94-8 (2-methoxymethylethoxy)propanol**

WEL (Great Britain) Long-term value: 308 mg/m<sup>3</sup>, 50 ppm  
Sk

IOELV (European Union) Long-term value: 308 mg/m<sup>3</sup>, 50 ppm  
Skin

### DNELs

**CAS: 34590-94-8 (2-methoxymethylethoxy)propanol**

Oral DNEL Long term-systemic 1.67 mg/kg human/day (consumer)

Dermal DNEL Long term-systemic 15 mg/kg human/day (consumer)

65 mg/kg human/day (worker)

Inhalative DNEL Long term-systemic mg/m<sup>3</sup> 37.2 mg/m<sup>3</sup> (consumer)

310 mg/m<sup>3</sup> (worker)

### PNECs

**CAS: 34590-94-8 (2-methoxymethylethoxy)propanol**

PNEC Freshwater mg/L 19 mg/L

PNEC Marinewater mg/L 1.9 mg/L

PNEC Freshwater sediment 70.2 mg/Kg

PNEC Marine water sediment 7.02 mg/Kg

PNEC Intermittent release 190

PNEC Soil 2.74 mg/Kg

PNEC Sewage treatment Plant mg/L 4,168 mg/L

**CAS: 5949-29-1 1,2,3-Propanetricarboxylic acid, 2-hydroxy-, monohydrate**

PNEC Freshwater mg/L 0.44 mg/L

PNEC Marinewater mg/L 0.044 mg/L

PNEC Freshwater sediment 3.46 mg/Kg

PNEC Marine water sediment 34.6 mg/Kg

PNEC Soil 33.1 mg/Kg

PNEC Sewage treatment Plant mg/L >1,000 mg/L

### 8.2 Exposure controls

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

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*Do not eat, drink, smoke or sniff while working.*

· **Protection of hands:**

*Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation*

· **Material of gloves**

*The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.*

· **Penetration time of glove material**

*The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.*

*The determined penetration times according to EN 16523-1:2015 are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.*

· **Eye protection:** Goggles recommended during refilling

## SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

· <b>Form:</b>	Liquid
· <b>Colour:</b>	Colourless
· <b>Odour:</b>	Citrus
· <b>Odour threshold:</b>	Not determined.

· **pH-value at 20 °C:** 4

· **Change in condition**

· <b>Melting point/freezing point:</b>	Undetermined.
· <b>Initial boiling point and boiling range:</b>	100 °C

· **Flash point:** Not applicable.

· **Flammability (solid, gas):** Not applicable.

· **Decomposition temperature:** Not determined.

· **Auto-ignition temperature:** Product is not selfigniting.

· **Explosive properties:** Product does not present an explosion hazard.  
Not determined.

· **Explosion limits:**

· <b>Lower:</b>	Not determined.
· <b>Upper:</b>	Not determined.

· **Vapour pressure at 20 °C:** 23 hPa

· <b>Density at 20 °C:</b>	1 g/cm <sup>3</sup>
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not determined.
· <b>Evaporation rate</b>	Not determined.

· **Solubility in / Miscibility with water:** Fully miscible.

· **Partition coefficient: n-octanol/water:** Not determined.

· **Viscosity:**

· <b>Dynamic at 20 °C:</b>	0 mPas
· <b>Kinematic:</b>	Not determined.

· **Solvent content:**

· <b>Organic solvents:</b>	4.1 %
· <b>Swiss VOC:</b>	4.06 %

· **Solids content:** 2.0 %

· **9.2 Other information** No further relevant information available.

## SECTION 10: Stability and reactivity

· **10.1 Reactivity** No further relevant information available.

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- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:**  
Do not store together with oxidising and acidic materials.  
Do not store together with alkalis (caustic solutions).
- **10.6 Hazardous decomposition products:** Carbon monoxide and carbon dioxide

## SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values relevant for classification:**

**CAS: 34590-94-8 (2-methoxymethylethoxy)propanol**

Oral	LD50	>4,000 mg/kg (Rat)
Dermal	LD50	9,510 mg/kg (Rabbit)
	LC50 / 48 h	1.919 mg/ltr (Daphnia magna (water flea))

**CAS: 5949-29-1 1,2,3-Propanetricarboxylic acid, 2-hydroxy-, monohydrate**

Oral	LD50	5,400 mg/kg (Mouse) 3,000 mg/kg (Rat)
Dermal	LD50	>2,000 mg/kg (Rat)
	LC50/ 24 h	1,535 mg/ltr (Daphnia magna (water flea)) 440 mg/ltr (fish)
	LC50 / 48 h	440 mg/ltr (fish)

- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Additional toxicological information:**
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

## SECTION 12: Ecological information

· **12.1 Toxicity**

· **Aquatic toxicity:**

**CAS: 34590-94-8 (2-methoxymethylethoxy)propanol**

LC50 / 96 h	>10,000 mg/ltr (Pimephales promelas)
EC 50 / 72 H	1,000 (Selenastrum capricornutum (Algae))

**CAS: 5949-29-1 1,2,3-Propanetricarboxylic acid, 2-hydroxy-, monohydrate**

LC50 / 96 h	>400 mg/ltr (Leuciscus idus)
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- **12.2 Persistence and degradability** No further relevant information available.
- **Other information:** The product is biodegradable.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
Do not allow product to reach ground water, water course or sewage system.  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.  
In accordance with the requirements of the RVO in the Act on Detergents and Cleansing Agents, tensides are biodegradable up to at least 90 %.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.

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- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

## SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**  
Can be disposed of with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.
- **Uncleaned packaging:**
- **Recommendation:** Disposal in accordance with administrative provisions

## SECTION 14: Transport information

- |   |                 |
|---|-----------------|
| · <b>14.1 UN-Number</b><br>· <b>ADR, ADN, IMDG, IATA</b>                                    | Void            |
| · <b>14.2 UN proper shipping name</b><br>· <b>ADR, ADN, IMDG, IATA</b>                      | Void            |
| · <b>14.3 Transport hazard class(es)</b><br>· <b>ADR, ADN, IMDG, IATA</b><br>· <b>Class</b> | Void            |
| · <b>14.4 Packing group</b><br>· <b>ADR, IMDG, IATA</b>                                     | Void            |
| · <b>14.5 Environmental hazards:</b><br>· <b>Marine pollutant:</b>                          | No              |
| · <b>14.6 Special precautions for user</b>  | Not applicable. |
| · <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>            | Not applicable. |
| · <b>UN "Model Regulation":</b>   | Void            |

## SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**  
Reg (EC) n. 648/2004 - Detergents  
Reg. (EC) n. 1223/2009 (Cosmetics);  
Reg. (EC) n. 1272/2008 - CLP;  
Reg. (EC) n. 2015/830 annex II of REACH;  
Dir. 06/08 ADR – RID - IMDG - IATA;  
Dir. 12/18 (Seveso III);  
Dir. 2008/98/CE and Reg. (EC) n.1357/2014 (Waste management)
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Precautionary statements**  
P102 Keep out of reach of children.  
P260 Do not breathe spray.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**  
None of the ingredients is listed.

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· **National regulations:**

· **Technical instructions (air):**

Class	Share in %
NK	4.1

· **Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has been carried out.

## SECTION 16: Other information

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

· **Relevant phrases**

H319 Causes serious eye irritation.

· **Classification according to Regulation (EC) No 1272/2008** Calculation method

· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

WELL: The highest acceptable concentration

IOELV: Indicative occupational exposure limit values

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2



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## Annex: Exposure scenario

- **Short title of the exposure scenario** For the finished product.
- **Sector of Use**  
SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)  
SU21 Consumer uses: Private households / general public / consumers
- **Technical function** Cleaning agent
- **Description of the activities / processes covered in the Exposure Scenario** See section 1 of the annex to the Safety Data Sheet.
- **Conditions of use**
- **Duration and frequency** 5 workdays/week.
- **Physical parameters**
- **Physical state** Fluid
- **Concentration of the substance in the mixture** The substance is main component.
- **Used amount per time or activity**  
According to directions for use.  
Smaller than 10 g per application.
- **Other operational conditions**
- **Other operational conditions affecting environmental exposure** No special measures required.
- **Other operational conditions affecting consumer exposure**  
Not required.  
Keep out of the reach of children.
- **Other operational conditions affecting consumer exposure during the use of the product** Not applicable.
- **Risk management measures**
- **Worker protection**
- **Organisational protective measures** No special measures required.
- **Technical protective measures** No special measures required.
- **Personal protective measures**  
No special measures required.  
Do not inhale gases / fumes / aerosols.
- **Measures for consumer protection**  
No special measures required.  
Ensure adequate labelling.
- **Environmental protection measures**
- **Air** No special measures required.
- **Water** No special measures required.
- **Disposal measures** Ensure that waste is collected and contained.
- **Disposal procedures**  
Dispose of product residues with household waste.  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Waste type** Partially emptied and uncleaned packaging
- **Exposure estimation**
- **Consumer**  
Not relevant for this Exposure Scenario.  
The highest inhalative exposure to be expected for consumers is **ppm**.  
The highest dermal exposure to be expected for consumers is **mg / kg / day**.  
The highest oral exposure to be expected for consumers is **mg / kg / day**.
- **Guidance for downstream users** No further relevant information available.