

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 31.05.2017

Version number 2

Revision: 18.10.2016

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

1.1 Product identifier

Trade name weber.tec EP Pourable Grout Hardener

Safety data sheet no.: 44P46056

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

No further relevant information available.

Application of the substance / the mixture Construction chemicals

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Saint-Gobain Weber

Dickens House

Enterprise Way

Flitwick

Bedford.

MK45 5BY

Tel: +44(0)1525 718877

Web: www.netweber.co.uk

email: sara.kelly@netweber.co.uk

Saint-Gobain Weber Limited

Dickens House

Enterprise Way

Flitwick

Bedfordshire

MK45 5BY

1.4 Emergency telephone number: +44(0) 8703 330070 Office hours only (08.30-17.00 UK time)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



GHS06 skull and crossbones

Acute Tox. 3 H331 Toxic if inhaled.



GHS05 corrosion

Skin Corr. 1B H314 Causes severe skin burns and eye damage.

Eye Dam. 1 H318 Causes serious eye damage.



GHS07

Acute Tox. 4 H302 Harmful if swallowed.

Skin Sens. 1 H317 May cause an allergic skin reaction.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

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Hazard pictograms


GHS05 GHS06

Signal word Danger

Hazard-determining components of labelling:

 cyclohex-1,2-ylenediamine
 2-methylpentane-1,5-diamine
 Benzyl alcohol

Hazard statements

 H302 Harmful if swallowed.
 H331 Toxic if inhaled.
 H314 Causes severe skin burns and eye damage.
 H317 May cause an allergic skin reaction.

Precautionary statements

 P260 Do not breathe dusts or mists.
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 Immediately call a POISON CENTER/doctor.
 P405 Store locked up.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards
Results of PBT and vPvB assessment
PBT: Does not contain PBT substances.

vPvB: Does not contain vPvB substances.

SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures
Description: Mixture: consisting of the following components.

Dangerous components:		
CAS: 15520-10-2 EINECS: 239-556-6	2-methylpentane-1,5-diamine ----- ☞ Skin Corr. 1B, H314; ☞ Acute Tox. 4, H302	25 - 50%
CAS: 694-83-7 EINECS: 211-776-7	cyclohex-1,2-ylenediamine ----- ☞ Acute Tox. 3, H331; ☞ Skin Corr. 1B, H314; ☞ Skin Sens. 1, H317	25 - 50%
CAS: 100-51-6 EINECS: 202-859-9 Index number: 603-057-00-5 Reg.nr.: 2119492630-38-XXXX	Benzyl alcohol ----- ☞ Acute Tox. 4, H302; Acute Tox. 4, H332	10 - 20%

SVHC Void

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Additional information For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Remove the victim immediately from the danger area. If the patient is unwell consult a doctor and present this data sheet.

After inhalation

Seek immediate medical advice.

Move to fresh air. If breathing is difficult give oxygen. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

After skin contact

Immediately wash skin with plenty of water for at least 15 minutes, removing contaminated clothing and shoes. Seek medical attention immediately.

After eye contact

Call a doctor immediately.

Immediately flush eyes with plenty of water for at least 15 minutes. Rinse liquid should be tempered (20-30 degrees C)

After swallowing

Rinse out mouth with water. Do not induce vomiting. Seek medical attention and present this data sheet.

Call for a doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed

Corrosive effects. The product causes burns to the eyes, skin and mucous membranes. Symptoms may be delayed.

4.3 Indication of any immediate medical attention and special treatment needed

if the product is ingested, probable mucosal damage may contraindicate the use of gastric lavage. If evacuation of stomach contents is necessary, use method least likely to cause aspiration. This material, if aspirated into the lungs, may cause chemical pneumonitis.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

For safety reasons unsuitable extinguishing agents Water with full jet

5.2 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

Fumes released during fire may be irritating or corrosive.

5.3 Advice for firefighters

Protective equipment:

Wear self-contained respiratory protective device.

Alkali resistant protective clothing.

Additional information

Collect contaminated extinguishing material separately. This must not be discharged into drains.

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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Keep away from ignition sources

Wear protective equipment. Keep unprotected persons away.

6.2 Environmental precautions:

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow product to reach sewage system or any water course.

Do not allow to penetrate the ground/soil.

6.3 Methods and material for containment and cleaning up:

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

6.4 Reference to other sections

See Section 7 for information on safe handling

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

Ensure good ventilation/exhaustion at the workplace.

Avoid contact with skin/eyes. Do not breathe gas/fumes/vapour/spray.

Information about fire - and explosion protection: Keep ignition sources away - Do not smoke.

7.2 Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and receptacles:

Store only in unopened original receptacles.

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

Further information about storage conditions:

Keep container tightly sealed.

Store receptacle in a well ventilated area.

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

SECTION 8: Exposure controls/personal protection

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

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

Additional information:

The applicable TRGS 900 (MAK list) was used as the basis for the preparation and/or revision of this safety data sheet.

8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Avoid contact with the eyes and skin.

Wash hands before breaks and at the end of work.

Respiratory protection: Self-contained respiratory protective device.

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Protection of hands: Protective gloves.**Material of gloves** Nitrile rubber, NBR**Penetration time of glove material**

The determined penetration times according to EN 374 part III are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

Eye protection: Tightly sealed goggles**Body protection:** Protective work clothing.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form:	Fluid
Colour:	According to product specification
Odour:	Characteristic
Odour threshold:	Not determined.

pH-value: Not applicable.

Change in condition

Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	188 °C (DIN)

Flash point: 75 °C (DIN ISO 2592)

Flammability (solid, gas): Not applicable.

Ignition temperature: 435 °C (DIN 51794)

Decomposition temperature: Not determined.

Auto-ignition temperature: Product is not selfigniting.

Explosive properties: Product does not present an explosion hazard.

Explosion limits:

Lower:	1.3 Vol % (DIN 51649)
Upper:	13.0 Vol % (DIN 51649)

Oxidising properties Not determined.

Vapour pressure at 20 °C: 0.1 hPa (DIN 51640)

Density: Not determined

Bulk density:	Not applicable.
Relative density	Not determined.
Vapour density	Not determined.
Evaporation rate	Not determined.

Solubility in / Miscibility with

Water: Fully miscible

Segregation coefficient (n-octanol/water) log

Pow: Not determined.

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Viscosity:

dynamic: Not determined.
kinematic: Not determined.

Solvent separation test:

Not applicable.

Solvent content:

Organic solvents: 13.3 %
EU-VOC 13.32 %

9.2 Other information

No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity No further relevant information available.

10.2 Chemical stability Stable at recommended storage conditions

Thermal decomposition / Conditions to be avoided:

No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions

Reacts with oxidizing agents

Reacts with strong alkali

Reacts with strong acids

10.4 Conditions to avoid Keep away from sources of ignition. Protect from frost.

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products:

Irritating &/or toxic fumes may be emitted upon the oproducts decomposition.

SECTION 11: Toxicological information

11.1 Information on toxicological effects
Acute toxicity

Harmful if swallowed.

Toxic if inhaled.

LD/LC50 values relevant for classification:

Components	Type	Value	Species
694-83-7 cyclohex-1,2-ylenediamine			
Oral	LD50	2300 mg/kg (Rat)	
Inhalative	LC50/4 h	> 3.2 mg/l (Rat)	
100-51-6 Benzyl alcohol			
Oral	LD50	1230 mg/kg (Rat)	
Dermal	LD50	2000 mg/kg (Rabbit)	
Inhalative	LC50/4 h	11 mg/l (ATE)	
		>4178 mg/l (Rat)	

Primary irritant effect:
Skin corrosion/irritation

Causes severe skin burns and eye damage.

Serious eye damage/irritation

Causes serious eye damage.

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Respiratory or skin sensitisation

May cause an allergic skin reaction.

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: No further relevant information available.

Type of test	Effective concentration	Method	Assessment
100-51-6 Benzyl alcohol			
LC50/48h	360 mg/l	(Daphnia magna)	
	645 mg/l	(Leuciscus idus (Orfe))	
LC50/96h	10 mg/l	(Lepomis macrochirus (Sunfish))	
	460 mg/l	(Pimephales promelas (Minnow))	
EC50/24h	400 mg/l	(Daphnia magna)	
EC50/96h	400 mg/l	(Daphnia magna)	
	640 mg/l	(Scenedesmus subspicatus (Algae))	
EC50/72h	770 mg/l	(Algae)	
EC 10	400 mg/l	(Pseudomonas putida (Bacteria))	

12.2 Persistence and degradability No further relevant information available.

12.3 Bioaccumulative potential

100-51-6 Benzyl alcohol	
EBAB	1.1 log Pow (Bioaccumulation)

Behaviour in environmental systems:

12.4 Mobility in soil No further relevant information available.

Ecotoxicological effects:

Behaviour in sewage processing plants:

Type of test	Effective concentration	Method	Assessment
100-51-6 Benzyl alcohol			
EC 50 (3h)	79 mg/l	(Scenedesmus quadricauda (Algae))	

Additional ecological information:

General notes: Do not allow product to reach ground water, water course or sewage system.

12.5 Results of PBT and vPvB assessment

PBT: Does not contain PBT substances.

vPvB: Does not contain vPvB substances.

12.6 Other adverse effects No further relevant information available.

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SECTION 13: Disposal considerations

13.1 Waste treatment methods

European waste catalogue

Possible waste code. The concrete waste code depends on the source of the waste.

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1 UN-Number
ADR, IMDG, IATA

UN2922

14.2 UN proper shipping name
ADR

2922 CORROSIVE LIQUID, TOXIC, N.O.S.
(cyclohex-1,2-ylenediamine, 2-methylpentane-1,5-diamine)

IMDG, IATA

CORROSIVE LIQUID, TOXIC, N.O.S. (cyclohex-1,2-ylenediamine, 2-methylpentane-1,5-diamine)

14.3 Transport hazard class(es)

ADR



Class
Label

8 (CT1) Corrosive substances.
8+6.1

IMDG



Class
Label

8 Corrosive substances.
8/6.1

IATA



Class
Label

8 Corrosive substances.
8 (6.1)

14.4 Packing group
ADR, IMDG, IATA

II

14.5 Environmental hazards:

Not applicable.

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14.6 Special precautions for user	Warning: Corrosive substances.
Danger code (Kemler):	86
EMS Number:	F-A,S-B
Segregation groups	Alkalis
Stowage Category	B
Stowage Code	SW2 Clear of living quarters.
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
Transport/Additional information:	Not dangerous according to the above specifications.
<hr/>	
ADR	
Limited quantities (LQ)	1L
Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
Transport category	2
Tunnel restriction code	E
<hr/>	
IMDG	
Limited quantities (LQ)	1L
Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
UN "Model Regulation":	UN 2922 CORROSIVE LIQUID, TOXIC, N.O.S. (CYCLOHEX-1,2-YLENEDIAMINE, 2-METHYLPENTANE-1,5-DIAMINE), 8 (6.1), II

SECTION 15: Regulatory information

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

Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients is listed.

Seveso category H2 ACUTE TOXIC

Qualifying quantity (tonnes) for the application of lower-tier requirements 50 t

Qualifying quantity (tonnes) for the application of upper-tier requirements 200 t

REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

15.2 Chemical safety assessment: A Chemical Safety Assessment has not 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.

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Relevant phrases

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H331 Toxic if inhaled.

H332 Harmful if inhaled.

Contact: Dr S. Kelly; tel. + 44 (0) 1525 718877**Abbreviations and acronyms:**

ADR: Accord européen sur le transport 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

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organisation

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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern (REACH regulation)

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 4: Acute toxicity – Category 4

Acute Tox. 3: Acute toxicity – Category 3

Skin Corr. 1B: Skin corrosion/irritation – Category 1B

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Skin Sens. 1: Skin sensitisation – Category 1

*** Data compared to the previous version altered.**