Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 16.12.2022 Version number 5 Revision: 15.12.2022

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

1.1 Product identifier
Trade name weber.tec EP pourable grout resin

Safety data sheet no.: 44P46099
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
Bedfordshire MK45 5BY
Tel.: 01525 718877
webersds@saint-gobain.com
1.4 Emergency telephone number:
UK: NHS 111 (Members of the public)
UK NPIS 24-hour telephone helpline: +44 (0)344 892 0111 (Healthcare professionals only)

*

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008


environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2 H319 Causes serious eye irritation.
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 GB CLP regulation.
Hazard pictograms


GHS07 GHS09

Signal word Warning

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Hazard-determining components of labelling:
2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane
Reaction mass of 2,2'-[methylenebis(2,1-phenyleneoxymethylene)]bis(oxirane) and 2,2'-[methylenebis(4,1-phenyleneoxymethylene)]bis(oxirane) and 2-({2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy}methyl)oxirane
1,6-Hexanediol, reaction products with epichlorohydrin
Hazard statements
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
H411 Toxic to aquatic life with long lasting effects.
Precautionary statements
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P273 Avoid release to the environment.
P280 Wear protective gloves / eye protection / face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
Additional information:
EUH205 Contains epoxy constituents. May produce an allergic reaction.
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 of substances listed below with non hazardous additions.

Dangerous components:		
CAS: 9003-36-5 NLP: 500-006-8 Reg.nr.: 01-2119454392-40-xxxx	Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	25-50%
CAS: 25068-38-6 NLP: 500-033-5 Index number: 603-074-00-8 Reg.nr.: 01-2119456619-26-xxxx	Reaction product: bisphenol-A-(epichlorhydrin),epoxy resin (number average molecular weight ≤ 700) Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317 Specific concentration limits: Skin Irrit. 2; H315: C ≥ 5 % Eye Irrit. 2; H319: C ≥ 5 %	25-50%
CAS: 100-51-6 EINECS: 202-859-9 Index number: 603-057-00-5 Reg.nr.: 01-2119492630-38-xxxx	Benzyl alcohol Acute Tox. 4, H302; Acute Tox. 4, H332	5-10%
CAS: 16096-31-4 EINECS: 240-260-4 Reg.nr.: 2119463471-41-xxxx	1,6-bis(2,3-epoxypropoxy)hexane Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; Aquatic Chronic 3, H412	5-10%

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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
Supply fresh air and to be sure call for a doctor.
In case of unconsciousness place patient stably in side position for transportation.
After skin contact
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
After eye contact
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor. Rinse liquid should be tempered (20-30°C).
After swallowing
Do not induce vomiting; call for medical help immediately.
Rinse out mouth and then drink plenty of water.
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
CO2, powder or water spray. Fight larger fires with water spray
or alcohol resistant foam.
5.2 Special hazards arising from the substance or mixture Carbon monoxide (CO)
5.3 Advice for firefighters
Protective equipment: Wear fully protective suit.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
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.

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See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling No special precautions are necessary if used correctly.
Information about fire - and explosion protection: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities
Storage
Requirements to be met by storerooms and receptacles:
Store only in unopened original receptacles.
Prevent any seepage into the ground.
Information about storage in one common storage facility: Not required.
Further information about storage conditions:
Store receptacle in a well ventilated area.
Keep container tightly sealed.
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:

DNELs		
CAS: 9003-36-5 Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol		
Oral	Derived No Effect Level	6.25 mg/kgxday (consumer systemic long term value)
Dermal	Derived No Effect Level	104.15 mg/kgxday (worker systemic long term value)
		62.5 mg/kgxday (consumer systemic long term value)
Inhalative	Derived No Effect Level	23.39 mg/m³ (worker systemic long term value)
		8.7 mg/m³ (consumer systemic long term value)
CAS: 25068-38-6 Reaction product: bisphenol-A-(epichlorhydrin),epoxy resin (number average molecular weight ≤ 700)		
Oral	Derived No Effect Level	0.75 mg/kgxday (consumer systemic long term value)
		0.75 mg/kgxday (consumer systemic short term value)
Dermal	Derived No Effect Level	8.33 mg/kgxday (worker systemic long term value)
		8.33 mg/kgxday (worker systemic short term value)
		3.571 mg/kgxday (consumer systemic long term value)
		3.571 mg/kgxday (consumer systemic short term value)
Inhalative	Derived No Effect Level	12.3 mg/m³ (worker systemic long term value)
		12.3 mg/m³ (worker systemic short term value)
CAS: 100-51-6 Benzyl alcohol		
Oral	Derived No Effect Level	4 mg/kgxday (consumer systemic long term value)
Dermal	Derived No Effect Level	8 mg/kgxday (worker systemic long term value)
		4 mg/kgxday (consumer systemic long term value)

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Inhalative	Derived No Effect Level	22 mg/m³ (worker systemic long term value) 5.4 mg/m³ (consumer systemic long term value)

8.2 Exposure controls
Personal protective equipment:
General protective and hygienic measures:
The usual precautionary measures are to be adhered to when handling chemicals.
Wash hands before breaks and at the end of work.
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Respiratory protection:
Use suitable respiratory protective device only when aerosol or mist is formed.
Filter A2/P2.
Protection of hands: Protective gloves.
Material of gloves
Nitrile rubber, NBR
Butyl rubber, BR
Penetration time of glove material
The determined breakthrough times according to EN 16523-1:2015 are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the breakthrough time, is recommended.
Thickness≥0.4mm
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:	201 °C (DIN)
Flash point:	101 °C (DIN ISO 2592)
Flammability (solid, gas):	Not applicable.
Ignition temperature:	184 °C (DIN 51794)
Decomposition temperature:	Not determined.
Auto-ignition temperature:	Product is not self-igniting.
Explosive properties:	Product does not present an explosion hazard.

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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:	Not miscible or difficult to mix
Segregation coefficient (n-octanol/water) log Pow:	Not determined.
Viscosity:	
dynamic:	Not determined.
kinematic:	Not determined.
Solvent separation test:	Not determined
Solvent content:	
Organic solvents:	6.5 %
EU-VOC (%)	6.52 %
EU-VOC (g/L)	65.2 g/l
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
May produce violent reactions with bases and numerous organic substances including alcohols and amines
Exothermic polymerisation.
10.4 Conditions to avoid No further relevant information available.
10.5 Incompatible materials: No further relevant information available.
10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

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

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LD/LC50 values relevant for classification:

Components / Type / Value / Species		
CAS: 9003-36-5 Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol		
Oral	LD50	>5,000 mg/kg (Rat)
Dermal	LD50	>2,000 mg/kg (Rabbit)
CAS: 25068-38-6 Reaction product: bisphenol-A-(epichlorhydrin),epoxy resin (number average molecular weight ≤ 700)		
Oral	LD50	>5,000 mg/kg (Rat)
Dermal	LD50	>2,000 mg/kg (Rabbit)
CAS: 100-51-6 Benzyl alcohol		
Oral	LD50	1,230 mg/kg (Rat)
Dermal	LD50	2,000 mg/kg (Rabbit)
Inhalative	LC50/4 h	11 mg/l (ATE)
		>4,178 mg/l (Rat)
CAS: 16096-31-4 1,6-bis(2,3-epoxypropoxy)hexane		
Oral	LD50	2,190 mg/kg (Rat)
Dermal	LD50	<4,900 mg/kg (Rabbit)
Inhalative	LC50/4 h	>100 mg/l (Mouse)

Primary irritant effect:
Skin corrosion/irritation
Causes skin irritation.
Serious eye damage/irritation
Causes serious eye irritation.
Respiratory or skin sensitisation
May cause an allergic skin reaction.
Additional toxicological information:
CMR effects (carcinogenity, 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	
CAS: 9003-36-5 Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol	
LC50/48h	2.55 mg/l (Daphnia magna)
LC50/96h	2.54 mg/l (Leuciscus idus (Orfe))
EC50/48h	2.55 mg/l (Daphnia magna)

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EC50/96h	2.54 mg/l (Leuciscus idus (Orfe))
CAS: 25068-38-6 Reaction product: bisphenol-A-(epichlorhydrin),epoxy resin (number average molecular weight ≤ 700)	
LC50/96h	2 mg/l (Leuciscus idus (Orfe))
	1.3 mg/l (Fish)
EC50/24h	4.6 mg/l (Daphnia magna)
EC50/48h	1.8 mg/l (Daphnia magna)
EC50/96h	220 mg/l (Selenastrum capricornutum (Green algae))
NOEC (21d)	0.3 mg/l (Daphnia magna)
CAS: 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))
CAS: 16096-31-4 1,6-bis(2,3-epoxypropoxy)hexane	
LC50/96h	30 mg/l (Leuciscus idus (Orfe))
EC50/48h	47 mg/l (Daphnia magna)

12.2 Persistence and degradability No further relevant information available.

12.3 Bioaccumulative potential	
CAS: 100-51-6 Benzyl alcohol	
EBAB	1.1 log Pow (Bioaccumulation)

12.4 Mobility in soil No further relevant information available.

Ecotoxical effects:

Behaviour in sewage processing plants:

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

Additional ecological information:

General notes:
Danger to drinking water if even small quantities leak into the ground.

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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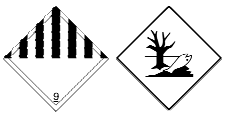
SECTION 13: Disposal considerations

13.1 Waste treatment methods

Uncleaned packaging:
Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1 UN-Number	
ADR, IMDG, IATA	UN3082
14.2 UN proper shipping name	
ADR	3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
IMDG	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxy resin, Epoxy Resin), MARINE POLLUTANT
IATA	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
14.3 Transport hazard class(es)	
ADR, IMDG, IATA	
Class	9 Miscellaneous dangerous substances and articles.
Label	9
14.4 Packing group	
ADR, IMDG, IATA	III
14.5 Environmental hazards:	Product contains environmentally hazardous substances: Epoxy Resin, Epoxy resin
Marine pollutant:	Yes Symbol (fish and tree)
Special marking (ADR):	Symbol (fish and tree)
Special marking (IATA):	Symbol (fish and tree)
14.6 Special precautions for user	Warning: Miscellaneous dangerous substances and articles.
EMS Number:	F-A,S-F
Stowage Category	A
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.

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Transport/Additional information:	
ADR	
Limited quantities (LQ)	5L
Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
IMDG	
Limited quantities (LQ)	5L
Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
UN "Model Regulation":	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
“Control of Substances Hazardous to Health” UK Regulations 2002 (as amended)

Directive 2012/18/EU
Named dangerous substances - ANNEX I None of the ingredients is listed.
Seveso category E2 Hazardous to the Aquatic Environment
Qualifying quantity (tonnes) for the application of lower-tier requirements 200 t
Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t
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.

Relevant phrases
H302 Harmful if swallowed.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

Department issuing SDS: EHS
Contact:
webersds
01525718877
webersds@saint-gobain.com

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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
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)
DNEL: Derived No-Effect Level (UK REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Acute Tox. 4: Acute toxicity – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Skin Sens. 1: Skin sensitisation – Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

*** Data compared to the previous version altered.**
According to Annex II of the UK REACH regulation, the modified sections in this version of the Safety Data Sheet in comparison with the previous one are marked with asterisks.