

Printing date 05.11.2021 Version number 4 (replaces version 3) Revision: 05.11.2021

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

#### 1.1 Product identifier

Trade name weber.floor 4740 Komp.A

Safety data sheet no.: 49PX20383-a

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

Epoxy coating Epoxy resin

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

Manufacturer/Supplier:

Saint Gobain Weber GmbH

Schanzenstr. 84

D-40549 Düsseldorf

+49(0)211/91369-0

email: Produktsicherheit@sg-weber.de

1.4 Emergency telephone number: Telefon: +49(0)6131-19240

## **SECTION 2: Hazards identification**

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



GHS09 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 CLP regulation.

#### **Hazard pictograms**





GHS07 GHS09

## Signal word Warning

## Hazard-determining components of labelling:

2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane

## Hazard statements

H315 Causes skin irritation.

H319 Causes serious eye irritation.

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List II

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.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352 IF ON SKIN: Wash with plenty of 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.

P501 Dispose of contents/container in accordance with local/regional/national/international

regulations.

#### Additional information:

EUH205 Contains epoxy constituents. May produce an allergic reaction.

EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

or mist.

#### 2.3 Other hazards

#### Results of PBT and vPvB assessment

**PBT:** Does not contain PBT substances. **vPvB:** Does not contain vPvB substances.

## **Determination of endocrine-disrupting properties**

CAS: 1675-54-3 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane

## **SECTION 3: Composition/information on ingredients**

#### 3.2 Mixtures

**Description:** Mixture of substances listed below with non hazardous additions.

Dangerous components:		
CAS: 1675-54-3 EINECS: 216-823-5 Index number: 603-073-00-2 Reg.nr.: 01-2119456619-26-xxxx	2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)] bisoxirane  Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	25-50%
· ·	Specific concentration limits: Eye Irrit. 2; H319: C ≥ 5 % Skin Irrit. 2; H315: C ≥ 5 %	
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, H312; Acute Tox. 4, H332	2-5%

**SVHC** Void

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 Immediately remove any clothing soiled by the product.

#### 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.

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#### 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

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

## 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.

For safety reasons unsuitable extinguishing agents Water with full jet

5.2 Special hazards arising from the substance or mixture No further relevant information available.

### 5.3 Advice for firefighters

Protective equipment: Use methods suitable to surrounding conditions.

## **Additional information**

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

## **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:

The product must not get into watercourses

or into the soil.

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

Suppress gases/fumes/haze with water spray.

## 6.3 Methods and material for containment and cleaning up:

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

## 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

Keep receptacles tightly sealed.

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Ensure good ventilation/exhaustion at the workplace.

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.

Information about storage in one common storage facility: Store away from foodstuffs.

Further information about storage conditions:

Protect from freezing.

Keep container tightly sealed.

Protect from heat and direct sunlight.

Protect from humidity and water.

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

## **SECTION 8: Exposure controls/personal protection**

#### 8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

DNELs				
CAS: 167	5-54-3 2,2'-[(1-methyleth	nylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane		
Oral	ral Derived No Effect Level 0.5 mg/kgxday (consumer systemic long term value)			
Dermal	Derived No Effect Level	0.75 mg/kgxday (worker systemic long term value)		
		0.0893 mg/kgxday (consumer systemic long term value)		
Inhalative	Derived No Effect Level	4.93 mg/m³ (worker systemic long term value)		
		0.87 mg/m³ (consumer systemic long 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)		
Inhalative	Derived No Effect Level	22 mg/m³ (worker systemic long term value)		
		5.4 mg/m³ (consumer systemic long term value)		
CAS No	o. Designation of materi	al % Type Value Unit		
CAS: 167	5-54-3 2,2'-[(1-methyleth	nylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane		
MAK (Ger	many) vgl. Abschn. IIb			
CAS: 100	-51-6 Benzyl alcohol			
AGW (Ge	rmany) Long-term value: 2(I);DFG, H, Y, 1			
HTP (Finland) Long-term value: 45 mg/m³, 10 ppm				
	l information.			

#### 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

**Appropriate engineering controls** No further data; see item 7.

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## Individual protection measures, such as personal protective equipment General protective and hygienic measures:

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

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Use a moisturising skin cream after processing the product.

#### Respiratory protection:

Not necessary if room is well-ventilated.

In case of brief exposure or low pollution use respiratory filter device.

In case of intensive or longer exposure use self-contained respiratory protective device.

Short term filter device:

Filter A2

## Hand protection

Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the

degradation

## **Material of gloves**

Butyl rubber, BR

Nitrile rubber, NBR

Recommended thickness of the material: > (Butyl) 0.7mm; (NBR) 0.4 mm

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 mixture 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

Breakthrough time: > 480 min Value for the permeation: Level  $\leq 6$ 

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

Eye/face 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** 

Colour: According to product specification

Odour: Characteristic Odour threshold: Not determined. **Melting point/freezing point:** Undetermined.

Boiling point or initial boiling point and boiling

Undetermined.

Lower and upper explosion limit

Lower: Not determined. Upper: Not determined.

> 100 °C Flash point:

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

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**Decomposition temperature:** Not determined.

pН Not applicable.

Viscosity:

Kinematic viscosity Not determined.

dynamic at 20 °C: 3000 mPas (DIN EN ISO 3219)

Solubility

Water: Not miscible or difficult to mix

Partition coefficient n-octanol/water (log value) Not determined. Vapour pressure: Not determined.

Density and/or relative density

Density at 20 °C: 1.6 g/cm3 (DIN EN ISO 2811-2)

**Bulk density:** Not applicable. Vapour density Not determined.

9.2 Other information None.

Appearance:

Form: Pasty

Important information on protection of health

and environment, and on safety.

**Ignition temperature:** Not determined.

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

Void

Minimum ignition energy

Solvent separation test: Not determined

EU-VOC (%) 0.00 % 0.0 g/IEU-VOC (g/L)

Change in condition

Softening point/range

Oxidising properties Not determined. **Evaporation rate** Not determined.

Information with regard to physical hazard

classes

**Explosives** Flammable gases Void **Aerosols** Void **Oxidising gases** Void Gases under pressure Void Flammable liquids Void Flammable solids Void Self-reactive substances and mixtures Void **Pyrophoric liquids** Void Pyrophoric solids Void Self-heating substances and mixtures Void Substances and mixtures, which emit

flammable gases in contact with water Void **Oxidising liquids** Void Oxidising solids Void Organic peroxides Void

Corrosive to metals Void

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Desensitised explosives Void (Contd. of page 6)

## **SECTION 10: Stability and reactivity**

10.1 Reactivity No further relevant information available.

10.2 Chemical stability

Thermal decomposition / Conditions to be avoided:

No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions

Exothermic polymerisation.

Reacts with alcohols, amines, aqueous acids and alkalis

**10.4 Conditions to avoid** No further relevant information available.

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products: Irritant gases/vapours

## **SECTION 11: Toxicological information**

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008 Acute toxicity Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:

Compone	nts	Type Val	lue	Species
CAS: 167	5-54-3 2,2'	-[(1-methylethylidene)bi	is(4,1	-phenyleneoxymethylene)]bisoxirane
Oral	LD50	>15,000 mg/kg (Rat)		
Dermal	LD50	>23,000 mg/kg (Rat)		
CAS: 100-	-51-6 Benz	yl 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)		

#### Skin corrosion/irritation

Causes skin irritation.

### Serious eye damage/irritation

Causes serious eye irritation.

#### Respiratory or skin sensitisation

May cause an allergic skin reaction.

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.

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11.2 Information on other hazards

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**Endocrine disrupting properties** 

CAS: 1675-54-3 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane

List II

## **SECTION 12: Ecological information**

#### 12.1 Toxicity

Aquatic toxicity: Toxic to aquatic life with long lasting effects.

Type of test	Effective concentration Method Assessment					
CAS: 1675-5	CAS: 1675-54-3 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane					
IC50/72h	1.7-1.8 mg/l (Fish)					
LC50/96h	1.2-3.6 mg/l (Fish)					
EC50/48h	1.1-2.8 mg/l (Daphnia magna)					
EC50/72h	9.4-11 mg/l (Algae)					
NOEC (72h)	2.4-4.2 mg/l (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))					

## 12.2 Persistence and degradability No further relevant information available.

Other information: The product is not easily biodegradable.

ĺ	12.3 Bioaccumulative potential
ĺ	CAS: 1675-54-3 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane
ı	FRAR 3 2/12 log Pow

EBAB | 3.242 log Pow

CAS: 100-51-6 Benzyl alcohol

EBAB 1.1 log Pow (Bioaccumulation)

12.4 Mobility in soil No further relevant information available.

## 12.5 Results of PBT and vPvB assessment

PBT: Does not contain PBT substances.

**vPvB:** Does not contain vPvB substances.

## 12.6 Endocrine disrupting properties

For information on endocrine disrupting properties see section 11.

#### 12.7 Other adverse effects

#### Remark:

The product contains substances which are toxic to fishes and bacteria.

Toxic for fish

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## Behaviour in sewage processing plants:

Type of test Effective concentration Method Assessment
CAS: 1675-54-3 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane
EC 50 (3h) 100 mg/l (Activated sludge)
CAS: 100-51-6 Benzyl alcohol

CAS: 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.

Danger to drinking water if even small quantities leak into the around.

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

## **SECTION 13: Disposal considerations**

## 13.1 Waste treatment methods

#### Recommendation

Curing of the product by mixing with the curing component. Cured epoxy resin products are waste that requires no particular supervision and can as a rule be disposed of as commercial waste that is similar to household rubbish.

#### European waste catalogue

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

08 04 09\* waste adhesives and sealants containing organic solvents or other hazardous substances

## **Uncleaned packaging:**

#### Recommendation:

Empty contaminated packagings thoroughly. They may be recycled

after thorough and proper cleaning.

Recommended cleaning agent: Water, if necessary together with cleansing agents.

#### **SECTION 14: Transport information** 14.1 UN number or ID number ADR, IMDG, IATA UN3082 14.2 UN proper shipping name **ADR** 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxy Resin) **IMDG** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxy Resin), MARINE POLLUTANT **IATA** ENVIRONMENTALLY HAZARDOUS SUBSTANCE. LIQUID, N.O.S. (Epoxy Resin)

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(Contd. of page 9) 14.3 Transport hazard class(es) **ADR** Class 9 (M6) Miscellaneous dangerous substances and articles. Label 9 IMDG, IATA Class 9 Miscellaneous dangerous substances and articles. Label 14.4 Packing group ADR, IMDG, IATA 14.5 Environmental hazards: Product contains environmentally hazardous substances: Epoxy Resin Marine pollutant: Yes Symbol (fish and tree) Special marking (ADR): Symbol (fish and tree) Special marking (IATA): Symbol (fish and tree) Warning: Miscellaneous dangerous substances and 14.6 Special precautions for user articles. Hazard identification number (Kemler code): 90 **EMS Number:** F-A,S-F **Stowage Category** 14.7 Maritime transport in bulk according to **IMO** instruments Not applicable. **Transport/Additional information:** 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 Transport category **Tunnel restriction code** Limited quantities (LQ) 5L



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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. (EPOXY RESIN), 9, III

## **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** 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

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

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.

**REGULATION (EU) 2019/1148** 

Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

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.

H312 Harmful in contact with skin.

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.

**Department issuing SDS:** Product safety department.

Contact: Produktsicherheit@sg-weber.de; tel. +49(0)2363/399-210

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## Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

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 (REACH) 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

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

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

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

EUG