

# Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 08.06.2020

Version number 4

Revision: 08.06.2020

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

### 1.1 Product identifier

Trade name weber.prim 806 Komp.A

Safety data sheet no.: 49PX20160-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

### 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.



GHS07

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.

H317 May cause an allergic skin reaction.

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H411 Toxic to aquatic life with long lasting effects.

**Precautionary statements**

P260 Do not breathe mist/vapours/spray.

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

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or 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.

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:** Reaction resin based on bisphenol-A**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 Specific concentration limits: Eye Irrit. 2; H319: C ≥ 5 % Skin Irrit. 2; H315: C ≥ 5 %	>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, H312; Acute Tox. 4, H332	10-20%

**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.

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.**After skin contact**

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

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**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** Drink plenty of water and provide fresh air. Call for a doctor immediately.

**4.2 Most important symptoms and effects, both acute and delayed**

No further relevant information available.

**Information for doctor** None

**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**

CO<sub>2</sub>, 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**

Under certain fire conditions, traces of other toxic gases cannot be excluded, e.g.:

Carbon monoxide (CO)

**5.3 Advice for firefighters**

**Protective equipment:** Wear self-contained respiratory protective device.

**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.

Ensure adequate ventilation.

**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).

**6.4 Reference to other sections** 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 interior ventilation, especially at floor level. (Fumes are heavier than air).

**Information about fire - and explosion protection:** No special measures required.

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### 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:

Do not store together with acids.

Store away from foodstuffs.

#### Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.

Protect from heat and direct sunlight.

**Recommended storage temperature:** 5-30°C.**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:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

DNELs					
<b>CAS: 1675-54-3 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane</b>					
Oral	Derived No Effect Level	0.75 mg/kgxday (consumer systemic long term value)			
Dermal	Derived No Effect Level	8.33 mg/kgxday (worker systemic long term value) 3.571 mg/kgxday (consumer systemic long term value)			
Inhalative	Derived No Effect Level	12.25 mg/m <sup>3</sup> (worker systemic long term value)			
<b>CAS: 100-51-6 Benzyl alcohol</b>					
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/m <sup>3</sup> (worker systemic long term value) 5.4 mg/m <sup>3</sup> (consumer systemic long term value)			
CAS No.	Designation of material	%	Type	Value	Unit
<b>CAS: 1675-54-3 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane</b>					
MAK (Germany)	vgl. Abschn. IIb				
<b>CAS: 100-51-6 Benzyl alcohol</b>					
AGW (Germany)	Long-term value: 22 mg/m <sup>3</sup> , 5 ppm 2(I);DFG, H, Y, 11				
HTP (Finland)	Long-term value: 45 mg/m <sup>3</sup> , 10 ppm				

#### Additional information:

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

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### 8.2 Exposure controls

#### Personal protective equipment:

#### General protective and hygienic measures:

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

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

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

#### Protection of hands:

Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

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:  $\geq$  (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 breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed.

**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:	Light brown
Odour:	Characteristic
Odour threshold:	Not determined.

pH-value:	Not applicable.
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<b>Change in condition</b>	
Melting point/freezing point:	Not determined
Initial boiling point and boiling range:	Undetermined.
<b>Flash point:</b>	> 100 °C
<b>Ignition temperature:</b>	435 °C
<b>Decomposition temperature:</b>	Not determined.
<b>Auto-ignition temperature:</b>	Product is not selfigniting.
<b>Explosive properties:</b>	Product does not present an explosion hazard.
<b>Explosion limits:</b>	
Lower:	1.3 Vol. %
Upper:	13.0 Vol. %
<b>Oxidising properties</b>	Not determined.
<b>Vapour pressure:</b>	0.1 hPa (DIN 51640)
<b>Density at 20 °C:</b>	1.14 g/cm <sup>3</sup> (DIN EN ISO 2811-2)
<b>Bulk density:</b>	Not applicable.
<b>Vapour density</b>	Not determined.
<b>Evaporation rate</b>	Not determined.
<b>Solubility in / Miscibility with Water:</b>	Not miscible or difficult to mix
<b>Segregation coefficient (n-octanol/water) log Pow:</b>	Not determined.
<b>Viscosity:</b>	
dynamic at 20 °C:	800-900 mPas (DIN EN ISO 3219)
kinematic:	Not determined.
<b>Solvent content:</b>	
EU-VOC (%)	12.50 %
<b>9.2 Other information</b>	None.

### 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:** No dangerous decomposition products known.

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### 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:**

Components	Type	Value	Species
<b>CAS: 1675-54-3 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane</b>			
Oral	LD50	15,000 mg/kg (Rat)	
Dermal	LD50	23,000 mg/kg (Rat)	
<b>CAS: 100-51-6 Benzyl alcohol</b>			
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)	

**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.

**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:** Toxic to aquatic life with long lasting effects.

Type of test	Effective concentration	Method	Assessment
<b>CAS: 1675-54-3 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane</b>			
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 (21d)	0.3 mg/l	(Daphnia magna)	
<b>CAS: 100-51-6 Benzyl alcohol</b>			
LC50/48h	360 mg/l	(Daphnia magna)	
	645 mg/l	(Leuciscus idus (Orfe))	
LC50/96h	10 mg/l	(Lepomis macrochirus (Sunfish))	

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EC50/24h	460 mg/l (Pimephales promelas (Minnow))
EC50/96h	400 mg/l (Daphnia magna)
	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**

**CAS: 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:**

**Remark:**

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

**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))

**Remark:** The product contains substances which de-activate activated sludge.

**Additional ecological information:**

**General notes:**

Do not allow product to reach ground water, water course or sewage system.  
The product contains materials that are harmful to the environment.  
Danger to drinking water if even small quantities leak into the ground.  
Also poisonous for fish and plankton in water bodies.  
Toxic for aquatic organisms

**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.

### 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
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**Uncleaned packaging:**



**Recommendation:**

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

Disposal must be made according to official regulations.

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

**SECTION 14: Transport information**

<b>14.1 UN-Number ADR, IMDG, IATA</b>	UN3082
<b>14.2 UN proper shipping name ADR</b>	3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxy Resin)
<b>IMDG</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxy Resin), MARINE POLLUTANT
<b>IATA</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxy Resin)
<b>14.3 Transport hazard class(es) ADR</b>	
	
<b>Class</b>	9 (M6) Miscellaneous dangerous substances and articles.
<b>Label</b>	9
<b>IMDG, IATA</b>	
	
<b>Class</b>	9 Miscellaneous dangerous substances and articles.
<b>Label</b>	9
<b>14.4 Packing group ADR, IMDG, IATA</b>	III
<b>14.5 Environmental hazards:</b>	Product contains environmentally hazardous substances: Epoxy Resin
<b>Marine pollutant:</b>	Yes (P) Symbol (fish and tree)
<b>Special marking (ADR):</b>	Symbol (fish and tree)
<b>Special marking (IATA):</b>	Symbol (fish and tree)

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<b>14.6 Special precautions for user</b>	Warning: Miscellaneous dangerous substances and articles.
<b>Hazard identification number (Kemler code):</b>	90
<b>EMS Number:</b>	F-A,S-F
<b>Stowage Category</b>	A

<b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
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**Transport/Additional information:**

**ADR**

<b>Limited quantities (LQ)</b>	5L
<b>Excepted quantities (EQ)</b>	Code: E1
	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 1000 ml
<b>Transport category</b>	3
<b>Tunnel restriction code</b>	-

**IMDG**

<b>Limited quantities (LQ)</b>	5L
<b>Excepted quantities (EQ)</b>	Code: E1
	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 1000 ml

**Packing instructions Passenger:**  
**Packing instructions cargo:**

<b>UN "Model Regulation":</b>	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (EPOXY RESIN), 9, III
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**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

**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.  
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**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 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

P: Marine Pollutant

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 - oral – 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.