

Printing date 16.12.2022 Version number 3 (replaces version 2) Revision: 15.12.2022

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

### 1.1 Product identifier

Trade name webertec EP TAG resin

Safety data sheet no.: 44P46067A

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: +44(0)1525 718877

webersds@saint-gobain.com

### 1.4 Emergency telephone number:

- Ireland: National Poisons Information Centre: +353 (1) 809 2166 (Members of the public 8am 10pm,
- 7 days a week); +353 (1) 809 2566 (Healthcare professionals only 24/7)
- Iceland: Poisons Information Center Icelandic University Hospital: +354 543 2222

### **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

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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

oxirane, mono[(C12-14-alkyloxy)methyl] derivs

### **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 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  Specific concentration limits:  Eye Irrit. 2; H319: C ≥ 5 %  Skin Irrit. 2; H315: C ≥ 5 %	25-50%

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Reg.nr.: 01-2119454392-40-xxxx	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 Alternative CAS number: 9003-36-5  Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Skin Sens. 1, H317	25-50%
	oxirane, mono[(C12-14-alkyloxy)methyl] derivs Skin Irrit. 2, H315; Skin Sens. 1, H317	≥5-<10%
	Benzyl alcohol Acute Tox. 4, H302; Acute Tox. 4, H332	5-10%

**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

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; consult doctor in case of complaints.

In case of unconsciousness place patient stably in side position for transportation.

After skin contact Immediately wash with water and soap and rinse thoroughly.

#### After eve 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.

5.2 Special hazards arising from the substance or mixture Carbon monoxide (CO)

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### 5.3 Advice for firefighters

### **Protective equipment:**

Wear fully protective suit.

Wear self-contained respiratory protective device.

#### Additional information

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

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

### **SECTION 6: Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures** Not required.

### **6.2 Environmental precautions:**

The product must not get into watercourses

or into the soil.

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 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 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: None.

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: 1675-54-3 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane		
Oral	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)
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			0.87 mg/m³ (consumer systemic long term value)
[methylen	ebis(4		ebis(2,1-phenyleneoxymethylene)]bis(oxirane) and 2,2'-methylene)]bis(oxirane) and 2-({2-[4-(oxiran-2-ylmethoxy)
Oral	Derive	d No Effect Level	6.25 mg/kgxday (consumer systemic long term value)
Dermal	Derive	d No Effect Level	104.15 mg/kgxday (worker systemic long term value)
			6.25 mg/kgxday (consumer systemic long term value)
Inhalative	Derive	d No Effect Level	29.39 mg/m³ (worker systemic long term value)
			8.7 mg/m³ (consumer systemic long term value)
CAS: 686	09-97-2	oxirane, mono[(	C12-14-alkyloxy)methyl] derivs
Oral			0.5 mg/kgxday (consumer systemic long term value)
Dermal	Derive	d No Effect Level	1 mg/kgxday (worker systemic long term value)
			0.5 mg/kgxday (consumer systemic long term value)
Inhalative	Derive	d No Effect Level	3.6 mg/m³ (worker systemic long term value)
			0.87 mg/m³ (consumer systemic long term value)
CAS: 100-			
Oral	Derived No Effect Level		4 mg/kgxday (consumer systemic long term value)
Dermal	Derive	d No Effect Level	8 mg/kgxday (worker systemic long term value)
			4 mg/kgxday (consumer systemic long term value)
Inhalative	Derive	d No Effect Level	22 mg/m³ (worker systemic long term value)
			5.4 mg/m³ (consumer systemic long term value)
		•	hemically prepared
Inhalative	Derive	d No Effect Level	4 mg/m³ (consumer systemic long term value)
CAS N	lo. / De	signation of mat	erial / % / Type / Value / Unit
		. •	nylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane
MAK (Ger	many)	vgl. Abschn. IIb	
CAS: 100-	-51-6 B	enzyl alcohol	
AGW (Ge	rmany)	Long-term value: 2(I);DFG, H, Y, 1	22 mg/m³, 5 ppm 1
HTP (Finla	and)	Long-term value:	45 mg/m³, 10 ppm
		·	

### 8.2 Exposure controls

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

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.

Wash hands before breaks and at the end of work.

**Respiratory protection:** Not required. **Hand protection** Protective gloves.

Material of gloves

Butyl rubber, BR Nitrile rubber, NBR

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.

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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.

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:WhitishOdour:CharacteristicOdour threshold:Not determined.Melting point/freezing point:Undetermined.

Boiling point or initial boiling point and boiling

range 206 °C (DIN) Flammability Not applicable.

Lower and upper explosion limit

Lower: 1.3 Vol % (DIN 51649)
Upper: 13.0 Vol % (DIN 51649)
Flash point: 99 °C (DIN ISO 2592)
Ignition temperature: 184 °C (DIN 51794)
Decomposition temperature: Not determined.
pH Not applicable.

Viscosity:

**Kinematic viscosity dynamic:**Not determined.
Not determined.

Solubility

Water: Not miscible or difficult to mix

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

Vapour pressure at 20 °C:

0.1 hPa (DIN 51640)

Density and/or relative density

Density:Not determinedRelative densityNot determined.Bulk density:Not applicable.Vapour densityNot determined.

9.2 Other information

Appearance:

Form: Viscous

Important information on protection of health

and environment, and on safety.

**Auto-ignition temperature:** Product is not self-igniting.

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

Minimum ignition energy

Solvent separation test: Not determined

Solvent content:

 Organic solvents:
 6.9 %

 EU-VOC (%)
 6.8736 %

 EU-VOC (g/L)
 68.7360 g/l

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(Contd. of page 6) 20.2 % Solids content: Change in condition Softening point/range Oxidising properties Not determined. **Evaporation rate** Not determined. Information with regard to physical hazard classes **Explosives** Void 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 **Desensitised explosives** Void

## **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 No dangerous reactions known
- 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 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	ents	/ Type	1	Value	1	Species
CAS: 167	5-54-3 2,2	'-[(1-methyleth	/liden	e)bis(4,1-	ph	enyleneoxymethylene)]bisoxirane
Oral	LD50	>15,000 mg/kg	(Rat)			

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Dermal	LD50	>23,000 mg/kg (Rat)
[methylen	ebis(4,1-p	,2'-[methylenebis(2,1-phenyleneoxymethylene)]bis(oxirane) and 2,2'- phenyleneoxymethylene)]bis(oxirane) and 2-({2-[4-(oxiran-2-ylmethoxy) pthyl)oxirane
Oral	LD50	>5,000 mg/kg (Rat)
Dermal	LD50	>2,000 mg/kg (Rat)
CAS: 6860	09-97-2 ox	irane, mono[(C12-14-alkyloxy)methyl] derivs
Oral	LD50	26,800 mg/kg (Rat)
Dermal	LD50	>4,000 mg/kg (Rabbit)
		26,800 mg/kg (Rat)
CAS: 100-	·51-6 Benz	zyl alcohol
Oral	LD50	1,620 mg/kg (Rat)
Dermal	LD50	>2,000 mg/kg (Rabbit)
Inhalative	LC50/4 h	>4.178 mg/l (Rat)
CAS: 763	1-86-9 sili	con dioxide, chemically prepared
Oral	LD50	>5,000 mg/kg (Rat)
Dermal	LD50	>2,000 mg/kg (Rabbit)

#### 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.

11.2 Information on other hazards

### **Endocrine disrupting properties**

None of the ingredients is listed.

### **SECTION 12: Ecological information**

### 12.1 Toxicity

Aquatic toxicity: No further relevant information available.

Type of test	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)		
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NOEC (214)	(Contd. of page
NOLO (Z Id)	0.3 mg/l (Daphnia magna)
[methylenebi	ss of 2,2'-[methylenebis(2,1-phenyleneoxymethylene)]bis(oxirane) and 2,2'- is(4,1-phenyleneoxymethylene)]bis(oxirane) and 2-({2-[4-(oxiran-2-ylmethoxy) oxy}methyl)oxirane
LC50/48h	2.55 mg/l (Fish)
EC50/48h	1.6-3.5 mg/l (Daphnia magna)
EC50/72h	1.8 mg/l (Algae)
NOEC (21d)	0.3 mg/l (Daphnia magna)
	97-2 oxirane, mono[(C12-14-alkyloxy)methyl] derivs
LC50/96h	>100 mg/l (Fish)
EC50/48h	7.2 mg/l (Daphnia magna)
NOEC (72h)	500 mg/l (Algae)
CAS: 100-51-	-6 Benzyl alcohol
	260 mg/l (Daphnia magna)
	645 mg/l (Leuciscus idus (Orfe))
	10 mg/l (Lepomis macrochirus (Sunfish))
	460 mg/l (Pimephales promelas (Minnow))
EC50/24h	400 mg/l (Daphnia magna)
	230 mg/l (Daphnia magna)
EC50/96h	400 mg/l (Daphnia magna)
	640 mg/l (Scenedesmus subspicatus (Algae))
EC50/72h	770 mg/l (Algae)
NOEC (72h)	310 mg/l (Algae)
NOEC (21d)	51-66 mg/l (Daphnia magna)
	400 mg/l (Pseudomonas putida (Bacteria))
	6-9 silicon dioxide, chemically prepared
	>10,000 mg/l (Brachydanio rerio (zebra danio)) (OECD 203)
	>10,000 mg/l (Daphnia magna) (OECD 202)  nce and degradability No further relevant information available.

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

12.3 Bioaccumulative potential
CAS: 1675-54-3 2 2'-[(1-methylethylethylethylethylethylethylethyl

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

EBAB 3.242 log Pow

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

EBAB 3.6 log Pow (Bioaccumulation)

CAS: 100-51-6 Benzyl alcohol

EBAB 1.05 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

The product does not contain substances with endocrine disrupting properties.

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### 12.7 Other adverse effects

### Behaviour in sewage processing plants:

Benaviour 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)
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
EC 50 (3h) 100 mg/l (Activated sludge)
CAS: 68609-97-2 oxirane, mono[(C12-14-alkyloxy)methyl] derivs
EC 50 (3h) 100 mg/l (Activated sludge)  CAS: 100-51-6 Benzyl alcohol

### Additional ecological information:

### **General notes:**

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

EC 50 (3h) 79 mg/l (Scenedesmus quadricauda (Algae))

### **SECTION 13: Disposal considerations**

### 13.1 Waste treatment methods

Europ	European waste catalogue	
HP4	Irritant - skin irritation and eye damage	
HP13	Sensitising	
HP14	Ecotoxic	

### **Uncleaned packaging:**

### Recommendation:

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

14.1 UN number or ID number	
ADR, IMDG, IATA	UN3082
14.2 UN proper shipping name	
ADR	3082 ENVIRONMENTALLY HAZARDOU
	SUBSTANCE, LIQUID, N.O.S.
IMDG	ENVIRONMENTALLY HAZARDOUS SUBSTANC
	LIQUID, N.O.S. (Epoxy resin, Epoxy Resin), MARIN
	POLLUTANT
IATA	ENVIRONMENTALLY HAZARDOUS SUBSTANC
	LIQUID, N.O.S.

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### 14.3 Transport hazard class(es)

ADR, IMDG, IATA



Special marking (ADR): Special marking (IATA):

Class 9 Miscellaneous dangerous substances and articles.

Label 9

14.4 Packing group
ADR, IMDG, IATA

14.5 Environmental hazards: Product contains environmentally hazardous

substances: Epoxy Resin, Epoxy resin

Marine pollutant: Yes

Symbol (fish and tree)
Symbol (fish and tree)
Symbol (fish and tree)

14.6 Special precautions for user Warning: Miscellaneous dangerous substances and

articles. F-A,S-F

EMS Number: F-A,S Stowage Category A

14.7 Maritime transport in bulk according to

**IMO instruments** Not applicable.

**Transport/Additional information:** Not dangerous according to the above specifications.

**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

Regulation (EC) No 1907/2006 (REACH) (Candidate List, Annexes XIV and XVII)

Regulation (EC) No 1272/2008 (CLP)

Regulation (EU) 2020/878 (amending REACH Annex II on the compilation of safety data sheets)

"Control of Substances Hazardous to Health" UK Regulations 2002 (as amended)

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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.

Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug 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.

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.

### Classification according to Regulation (EC) No 1272/2008

Skin corrosion/irritation

Serious eye damage/eye irritation

Skin sensitisation

Hazardous to the aquatic environment - long-term (chronic) aquatic hazard

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

**Department issuing SDS: EHS** 

Contact:

webersds

+44(0)1525718877

webersds@saint-gobain.com

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## Version number of previous version: 2 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 (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.

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