# eurocol

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Revision: 05.05.2023

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

Printing date 05.05.2023

Version number 3.0 (replaces version 2.0)

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

- · 1.1 Product identifier
- · Trade name: 025 Europrimer Project 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 Primer and mortar resin
- · 1.3 Details of the supplier of the safety data sheet
- · Manufacturer/Supplier:

Forbo Eurocol Deutschland GmbH August-Röbling-Straße 2 99091 Erfurt GERMANY

Tel.: +49 361 730 41 0 Fax: +49 (0)361 73041-92

E-Mail: Elisabeth.Reinhardt@forbo.com

www.forbo-eurocol.de

· Further information obtainable from:

Laboratory

Elisabeth Reinhardt

Elisabeth.Reinhardt@forbo.com

· 1.4 Emergency telephone number:

Poison information center for the states of Mecklenburg-Western Pomerania, Saxony, Saxony-Anhalt and Thuringia:

+49-361-730730

### 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.

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Trade name: 025 Europrimer Project A

#### · Hazard pictograms





GHS07 GHS0

#### · Signal word Warning

#### · Hazard-determining components of labelling:

bis[4-(2,3-epoxypropoxy)phenyl]propane

Bisphenol F-Epoxidharz

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

Reaction products of hexane-1,6-diol with 2- (chloromethyl) oxirane (1: 2)

#### · 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

*P273* Avoid release to the environment.

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

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

P362+P364 Take off contaminated clothing and wash it before reuse.

#### · Additional information:

Contains epoxy constituents. May produce an allergic reaction.

- · 2.3 Other hazards
- · Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- · vPvB: Not applicable.

### SECTION 3: Composition/information on ingredients

- · 3.2 Mixtures
- · Description: Mixture of substances listed below with nonhazardous additions.

· Dangerous components:		
CAS: 1675-54-3 EINECS: 216-823-5 Reg.nr.: 01-2119456619-26-XXXX	bis[4-(2,3-epoxypropoxy)phenyl]propane Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317 Specific concentration limits: Eye Irrit. 2; H319: $C \ge 5$ % Skin Irrit. 2; H315: $C \ge 5$ %	≥25-≤50%
EC number: 701-263-0 Reg.nr.: 01-2119454392-40	Bisphenol F-Epoxidharz  Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Skin Sens. 1, H317	≥10-<25%
CAS: 68609-97-2 EINECS: 271-846-8 Reg.nr.: 01-2119485289-22	oxirane, mono[(C12-14-alkyloxy)methyl] derivs Skin Irrit. 2, H315; Skin Sens. 1, H317	≥2.5-<10%
CAS: 933999-84-9 EC number: 618-939-5 Reg.nr.: 01-211946341-41	Reaction products of hexane-1,6-diol with 2- (chloromethyl) oxirane (1: 2) Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; Aquatic Chronic 3, H412	≥2.5-<10%

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CAS: 14808-60-7 Quartz (SiO2) 1-<5%
EINECS: 238-878-4 STOT RE 1, H372

· 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.

· After skin contact:

If skin irritation continues, consult a doctor.

Immediately wash with water and soap and rinse thoroughly.

· After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· After swallowing:

Do not induce vomiting. Rinse out mouth and drink plenty of water. Consult a doctor if symptoms persist.

- · 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, extinguishing powder
- · 5.2 Special hazards arising from the substance or mixture

In case of fire, formation of toxic gases possible. In case of fire may be released: CO and CO2

- · 5.3 Advice for firefighters
- · Protective equipment: Full protective suit

#### SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures

Particular danger of slipping on leaked/spilled product.

· 6.2 Environmental precautions:

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

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

Do not allow to enter sewers/surface or ground water.

· 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.

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- · 7.2 Conditions for safe storage, including any incompatibilities
- · Storage:
- Requirements to be met by storerooms and receptacles: No special requirements.
- · Information about storage in one common storage facility: Not required.
- · Further information about storage conditions: Keep container tightly sealed.
- · Recommended storage temperature: 10-30°C
- · Storage class (TRGS): 10
- · 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:

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

1675-54-3	bis[4-(2,3-epoxypropoxy)ph	ienyl/propane	
Dermal	DNEL Long-term – dermal,	systemic effects	8.33 mg/kg_bw/d (Worker)
	DNEL Acute - dermal system	mic effects	8.33 mg/kg bw/day (Worker)
Inhalative	DNEL Long-term – inhalati	ion, systemic effects	12.25 mg/m³/d (Worker)
	DNEL Acute inhalation syst	temic effects	12.25 mg/m³ (Worker)
Bisphenol	F-Epoxidharz		
Dermal	DNEL Long-Term - dermal,	, systemic effects	104.15 mg/kg (Worker)
Inhalative	DNEL Long-term – inhalati	ion, systemic effects	29.39 mg/m³/d (Worker)
68609-97-	2 oxirane, mono[(C12-14-al	lkyloxy)methyl] der	ivs
Dermal	DNEL Long-term – dermal,	systemic effects	1 mg/kg_bw/d (Worker)
Inhalative	DNEL Long-term – inhalati	ion, systemic effects	$3.6 \text{ mg/m}^3/d \text{ (Worker)}$
933999-84	-9 Reaction products of hex	cane-1,6-diol with 2	- (chloromethyl) oxirane (1: 2)
Dermal	DNEL Long-term – dermal, systemic eff		6 mg/kg_bw/d (Worker)
1	DNEL Long-term – dermal, local effects		0.0226 mg/kg bw/d (Worker)
DNEL Acute - dermal, l		l effects	0.0226 mg/kg (Worker)
Inhalative	DNEL Long-term – inhalati	ion, systemic effects	10.57 mg/m³/d (Worker)
	DNEL Acute - inhalation, lo	ocal effects	$0.44 \text{ mg/m}^3$ (Worker)
	DNEL Acute inhalation syst	temic effects	10.57 mg/m³ (Worker)
PNECs			
1675-54-3	bis[4-(2,3-epoxypropoxy)ph	ienyl]propane	
PNEC sho	rt term, fresh water	0.006 mg/l (Aquati	c organisms)
PNEC sho	rt term, sea water	0.001 mg/l (Aquati	c organisms)
PNEC sho	rt term fresh water sediment	0.341 mg/kg (Aqua	tic organisms)
PNEC sho	rt term soil	0.065 mg/kg (Aquatic organisms)	
PNEC short term sea water sediment		0.034 mg/kg (Aquatic organisms)	
Bisphenol	F-Epoxidharz		
PNEC sho	rt term, fresh water	$0.003 \ mg/l$	
PNEC sho	rt term, sea water	0  mg/l	
PNEC sho	rt term fresh water sediment	0.294 mg/kg	
PNEC sho	rt term soil	0.237 mg/kg	

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PNEC short term sea water sediment	0.029 mg/kg		
68609-97-2 oxirane, mono[(C12-14-al	68609-97-2 oxirane, mono[(C12-14-alkyloxy)methyl] derivs		
PNEC short term, fresh water	0.106 mg/l (Aquatic organisms)		
PNEC short term, sea water	0.01 mg/l (Aquatic organisms)		
PNEC short term fresh water sediment	307.16 mg/kg (Aquatic organisms)		
PNEC short term soil	1.234 mg/kg (teresstric organisms)		
PNEC short term sea water sediment	30.72 mg/kg (Aquatic organisms)		
933999-84-9 Reaction products of hex	cane-1,6-diol with 2- (chloromethyl) oxirane (1: 2)		
PNEC short term, fresh water	0.011 mg/l (Aquatic organisms)		
PNEC short term, sea water	0.001 mg/l (Aquatic organisms)		
PNEC short term fresh water sediment	0.283 mg/kg (Aquatic organisms)		
PNEC short term soil	0.223 mg/kg (teresstric organisms)		
PNEC short term sea water sediment	0.028 mg/kg (Aquatic organisms)		

- · Additional information: The lists valid during the making were used as basis.
- · 8.2 Exposure controls
- · Appropriate engineering controls No further data; see section 7.
- · Individual protection measures, such as personal protective equipment
- · General protective and hygienic measures:

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.

- · Respiratory protection: Not required.
- · Hand protection



Protective gloves

#### · Material of gloves

Recommendation according to EN 374: For short-term work or as splash protection: Gloves made of butyl rubber/nitrile rubber (0.4 mm), change and dispose of contaminated gloves immediately. For permanent product contact: Viton gloves (0.4 mm). Penetration time > 30 min.

### · Penetration time of glove material

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

· Eye/face protection



Tightly sealed goggles

### SECTION 9: Physical and chemical properties

- · 9.1 Information on basic physical and chemical properties
- · General Information
- Physical state Fluid
  Colour: Beige
  Odour: Light

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Odour threshold:	Not determined.
Melting point/freezing point:	Undetermined.
Boiling point or initial boiling point and boiling	
range	Undetermined.
Flammability	Not applicable.
Lower and upper explosion limit	
Lower:	Not determined.
Upper:	Not determined.
Flash point:	>93 °C
Decomposition temperature:	Not determined.
рН	Not determined.
Viscosity:	
Kinematic viscosity	Not determined.
Viscosity at 100°C:	
Dynamic at 20 °C:	1,600-2,450 mPas
Solubility	-,··· -,···
water:	Not miscible or difficult to mix.
Partition coefficient n-octanol/water (log value)	Not determined.
Farmion coefficient n-ociano/water (tog value) Vapour pressure:	Not determined.
v apour pressure: Density and/or relative density	ivoi uciei mineu.
	$1.52  \mathrm{g/cm^3}$
Density at 20 °C:	1.52 g/cm³ Not determined.
Relative density	Not determined. Not determined.
Density (@15°C) Vapour density	Not determined.  Not determined.
9.2 Other information	
Appearance:	
Form:	Fluid
Important information on protection of health and	d
environment, and on safety.	D 1 10
Ignition temperature:	Product is not selfigniting.
Explosive properties:	Product does not present an explosion hazard.
Solvent content:	Product does not present an explosion hazard.
Solvent content: VOC (EC)	Product does not present an explosion hazard.
Solvent content: VOC (EC) Solids content:	Product does not present an explosion hazara.
Solvent content: VOC (EC) Solids content: Change in condition	
Solvent content: VOC (EC) Solids content: Change in condition	Not determined.
Solvent content: VOC (EC) Solids content: Change in condition Evaporation rate	Not determined.
Solvent content: VOC (EC) Solids content: Change in condition Evaporation rate Information with regard to physical hazard classe.	Not determined. <b>s</b> Void
Solvent content: VOC (EC) Solids content: Change in condition Evaporation rate Information with regard to physical hazard classe. Explosives	Not determined.
Solvent content: VOC (EC) Solids content: Change in condition Evaporation rate Information with regard to physical hazard classe. Explosives Flammable gases	Not determined. <b>s</b> Void
Solvent content: VOC (EC) Solids content: Change in condition Evaporation rate Information with regard to physical hazard classe. Explosives Flammable gases Aerosols	Not determined. s Void Void
Solvent content: VOC (EC) Solids content: Change in condition Evaporation rate Information with regard to physical hazard classe. Explosives Flammable gases Aerosols Oxidising gases	Not determined.  s Void Void Void Void
Solvent content: VOC (EC) Solids content: Change in condition Evaporation rate Information with regard to physical hazard classe. Explosives Flammable gases Aerosols Oxidising gases Gases under pressure	Not determined.  S  Void  Void  Void  Void  Void  Void
Solvent content: VOC (EC) Solids content: Change in condition Evaporation rate Information with regard to physical hazard classe. Explosives Flammable gases Aerosols Oxidising gases Gases under pressure Flammable liquids	Not determined.  s  Void  Void  Void  Void  Void  Void  Void  Void
Solvent content: VOC (EC) Solids content: Change in condition Evaporation rate Information with regard to physical hazard classe. Explosives Flammable gases Aerosols Oxidising gases Gases under pressure Flammable liquids Flammable solids	Not determined.  s Void Void Void Void Void Void Void Void
Solvent content: VOC (EC) Solids content: Change in condition Evaporation rate Information with regard to physical hazard classe. Explosives Flammable gases Aerosols Oxidising gases Gases under pressure Flammable liquids Flammable solids Self-reactive substances and mixtures	Not determined.  S  Void
Solvent content: VOC (EC) Solids content: Change in condition Evaporation rate Information with regard to physical hazard classe. Explosives Flammable gases Aerosols Oxidising gases Gases under pressure Flammable liquids Flammable solids Self-reactive substances and mixtures Pyrophoric liquids	Not determined.  S  Void
Solvent content: VOC (EC) Solids content: Change in condition Evaporation rate Information with regard to physical hazard classe. Explosives Flammable gases Aerosols Oxidising gases Gases under pressure Flammable liquids Flammable solids Self-reactive substances and mixtures Pyrophoric liquids	Not determined.  S  Void
Solvent content: VOC (EC) Solids content: Change in condition Evaporation rate Information with regard to physical hazard classe. Explosives Flammable gases Aerosols Oxidising gases Gases under pressure Flammable liquids Flammable solids Self-reactive substances and mixtures Pyrophoric liquids Syrophoric solids Self-heating substances and mixtures	Not determined.  S  Void
Solvent content: VOC (EC) Solids content: Change in condition Evaporation rate Information with regard to physical hazard classe. Explosives Flammable gases Aerosols Oxidising gases Gases under pressure Flammable liquids Flammable solids Self-reactive substances and mixtures Pyrophoric liquids Pyrophoric solids Self-heating substances and mixtures Substances and mixtures	Not determined.  S  Void
Solvent content: VOC (EC) Solids content: Change in condition Evaporation rate Information with regard to physical hazard classe. Explosives Flammable gases Aerosols Oxidising gases Gases under pressure Flammable liquids Flammable solids Self-reactive substances and mixtures Pyrophoric liquids Pyrophoric solids Self-heating substances and mixtures Substances and mixtures	Not determined.  S  Void
Solvent content: VOC (EC) Solids content: Change in condition Evaporation rate Information with regard to physical hazard classe. Explosives Flammable gases Aerosols Oxidising gases Gases under pressure Flammable liquids Flammable solids Self-reactive substances and mixtures Pyrophoric liquids Pyrophoric solids Self-heating substances and mixtures Substances and mixtures Substances and mixtures	Not determined.  S  Void
Solvent content: VOC (EC) Solids content: Change in condition Evaporation rate Information with regard to physical hazard classe. Explosives Flammable gases Aerosols Oxidising gases Gases under pressure Flammable liquids Flammable solids Self-reactive substances and mixtures Pyrophoric liquids Pyrophoric solids Self-heating substances and mixtures Substances and mixtures Substances and mixtures Oxidising liquids Oxidising solids	Not determined.   S  Void  Void
Solvent content: VOC (EC) Solids content: Change in condition Evaporation rate Information with regard to physical hazard classe. Explosives Flammable gases Aerosols Oxidising gases Gases under pressure Flammable liquids Flammable solids Self-reactive substances and mixtures Pyrophoric liquids Pyrophoric solids Self-heating substances and mixtures Substances and mixtures	Not determined.  S  Void

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· Desensitised explosives

Void

## 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 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 to	oxicity Based on available data, the classification criteria are not met.		
	50 values relevant for classification:		
1675-54	1675-54-3 bis[4-(2,3-epoxypropoxy)phenyl]propane		
Oral	LD50 >5,000 mg/kg (rat)		
Dermal	LD50 >2,000 mg/kg (rat)		
Bisphen	Bisphenol F-Epoxidharz		
Oral	LD50  >5,000 mg/kg (rat)		
Dermal	LD50 >2,000 mg/kg (rat)		
933999-	933999-84-9 Reaction products of hexane-1,6-diol with 2- (chloromethyl) oxirane (1: 2)		
Oral	LD50 2,189 mg/kg (rat)		
CI.	manian limitation Causas akin imitation		

- · Skin corrosion/irritation Causes skin irritation.
- · Serious eye damage/irritation Causes serious eye irritation.
- · Respiratory or skin sensitisation May cause an allergic skin reaction.
- 11.2 Information on other hazards
- · Endocrine disrupting properties

None of the ingredients is listed.

#### SECTION 12: Ecological information

· 12.1 Toxicity

· Aquatic toxicity:		
1675-54-3 bis[4-(2	,3-epoxypropoxy)phenyl]propane	
LC50 (96h) mg/ltr.	LC50 (96h) mg/ltr. 1.5 mg/ltr (rainbow trout)	
Bisphenol F-Epox	idharz	
LC50 (96h)	2.54 mg/l (Fish)	
EC50 (48h)	2.55 mg/l (KRU)	
ErC (72h)	1.8 mg/l (algae)	
933999-84-9 React	tion products of hexane-1,6-diol with 2- (chloromethyl) oxirane (1: 2)	
LC50 (96h) mg/ltr.	30 mg/ltr (Fish)	
EC50 (48h)	47 mg/l (daphnia)	
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#### · 12.2 Persistence and degradability

1675-54-3 bis[4-(2,3-epoxypropoxy)phenyl]propane 5 % 933999-84-9 Reaction products of hexane-1,6-diol with 2- (chloromethyl) oxirane (1: 2) 47 %

- · 12.3 Bioaccumulative potential No further relevant information available.
- · 12.4 Mobility in soil No further relevant information available.
- · 12.5 Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- · vPvB: Not applicable.
- · 12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

- · 12.7 Other adverse effects No further relevant information available.
- · Remark: Toxic for fish
- Additional ecological information:
- · General notes:

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

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

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

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

- · 13.1 Waste treatment methods
- · Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

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

14.1 UN number or ID number ADR, IMDG, IATA	UN3082
14.2 UN proper shipping name ADR	3082 ENVIRONMENTALLY HAZARDO SUBSTANCE, LIQUID, N.O.S. (bis[4-(2
IMDG	epoxypropoxy)phenyl]propane, Bisphenol F-Epoxidh ENVIRONMENTALLY HAZARDOUS SUBSTAN LIQUID, N.O.S. (bis[4-(2,3-epoxypropoxy)phenopory), MARI propane, Bisphenol F-Epoxidharz), MARI
IATA	POLLUTANT ENVIRONMENTALLY HAZARDOUS SUBSTAN LIQUID, N.O.S. (bis[4-(2,3-epoxypropoxy)pher propane, Bisphenol F-Epoxidharz)

· Class

9 Miscellaneous dangerous substances and articles.

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Label	9
14.4 Packing group	
ADR, IMDG, IATA	III
14.5 Environmental hazards:	
Marine pollutant:	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.
Hazard identification number (Kemler code):	90
EMS Number:	F-A,S-F
Stowage Category	A
14.7 Maritime transport in bulk according to IM	10
instruments	Not applicable.
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
Transport category	3
Tunnel restriction code	(-)
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 HAZARDOU
	SUBSTANCE, LIQUID, N.O.S. (BIS[4-(2,3
	EPOXYPROPOXY)PHENYL]PROPANE, BISPHENO
	F-EPOXIDHARZ), 9, III

## **SECTION 15: Regulatory information**

· 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture: (Substances not listed)

None of the ingredients is listed.

- · 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
- · National regulations:
- · VOC (EU) < 500 g/L
- · 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

GB

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#### SECTION 16: Other information

#### · Disclaimer

This safety data sheet contains only safety relevant information. The information is based on the state of our knowledge at the time of revision, however, it does not constitute a guarantee of product properties, product information or product specifications and does not establish a contractual legal relationship. This document is only valid in its unchanged form. In the event of changes by third parties, the exhibitor accepts no responsibility for form and content or for any damages or claims arising from such changes. The information is not transferable to other products. If the product named in this safety data sheet is mixed, blended or processed with other materials or is subjected to processing, the information in this safety data sheet cannot be transferred to the new material produced in this way, unless expressly stated otherwise. The data sheet does not release the user from the obligation to ensure that he acts in accordance with all regulations in connection with his activity.

#### · Relevant phrases

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H372 Causes damage to organs through prolonged or repeated exposure.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

#### · Department issuing SDS: Quality Management department

#### · Contact:

Hr. Geiser

Laboratory

Elisabeth Reinhardt

Elisabeth.Reinhardt@forbo.com

#### · 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

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)

VOC: Volatile Organic Compounds (USA, EU)

DNEL: Derived No-Effect Level (UK REACH)

PNEC: Predicted No-Effect Concentration (UK REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

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

STOT RE 1: Specific target organ toxicity (repeated exposure) – 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.