

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 23.01.2023

Version number 4 (replaces version 3)

Revision: 23.01.2023

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

1.1 Product identifier**Trade name: 703-A Adhesive and spout epoxy component A****Article number:** 703-A**UFI:** 7NFM-70CW-400F-MXX**1.2 Relevant identified uses of the substance or mixture and uses advised against***No further relevant information available.***Application of the substance / preparation***Sealing mortar**Glue/ Sising agent***1.3 Details of the supplier of the safety data sheet****Manufacturer/Supplier:***Forbo Eurocol Nederland B.V.**Industrieweg 1-2**NL-1521 NA Wormerveer Holland**Tel. +31 75 6271600 - Fax +31 75 6283564**E-mail address: info.eurocol@forbo.com**Website: www.eurocol.com***1.4 Emergency telephone number:***In case of emergency please contact the Dutch National Poison Control, telephone number: 0031-(0)88-755 8000 (This number is only accessible to the physician treating the patient and only in case of accidental poisoning).*

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture**Classification according to Regulation (EC) No 1272/2008***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.**Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.***2.2 Label elements****Labelling according to Regulation (EC) No 1272/2008***The product is classified and labelled according to the GB CLP regulation.***Hazard pictograms**

GHS07

Signal word *Warning*

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Trade name: 703-A Adhesive and spout epoxy component A

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Hazard-determining components of labelling:

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

2-(2[2-oxiran-2-ylmethoxy]phenyl)phenyl[methyl] phenoxyymethyl)oxirane; 2-(2[4-(oxiran-2-ylmethoxy)phenyl[methyl] phenylmethyl)oxirane; 2-(4-(oxiran-2-ylmethoxy)phenyl[methyl] 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.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P261 Avoid breathing mist/vapours/spray.

P280 Wear protective gloves / eye protection / face protection.

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

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

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

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

Additional information:

Contains epoxy constituents. May produce an allergic reaction.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: *This mixture contains no substances considered to be persistent or bioaccumulative or toxic (PBT).*

vPvB:

This mixture does not contain any substances considered to be very persistent or very bioaccumulative (vPvB).

Determination of endocrine-disrupting properties

The product does not contain substances with endocrine disrupting properties.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: *Epoxy resin*

Dangerous components:

CAS: 1675-54-3 EINECS: 216-823-5	<i>bis[4-(2,3-epoxypropoxy)phenyl]propane</i> ⚠ Aquatic Chronic 2, H411; ⚠ Acute Tox. 4, H312; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317, EUH205 Specific concentration limits: Eye Irrit. 2; H319: C ≥ 5 % Skin Irrit. 2; H315: C ≥ 5 %	>10-25%
CAS: 14464-46-1 EINECS: 238-455-4	<i>crystalite</i> ⚠ STOT RE 1, H372	>5-10%
EC number: 701-263-0	<i>2-(2[2-oxiran-2-ylmethoxy]phenyl)phenyl[methyl] phenoxyymethyl)oxirane; 2-(2[4-(oxiran-2-ylmethoxy)phenyl[methyl] phenylmethyl)oxirane; 2-(4-(oxiran-2-ylmethoxy)phenyl[methyl]</i> ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317	>5-10%

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Trade name: **703-A Adhesive and spout epoxy component A**

CAS: 68609-97-2

EINECS: 271-846-8

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

 Skin Irrit. 2, H315; Skin Sens. 1, H317

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>1-5%

· **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:**

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

Supply fresh air; consult doctor in case of complaints.

· **After skin contact:** Wash with soap and water. Remove contaminated clothing.

· **After eye contact:**

After eye contact rinse the eyes immediately with open lids 10 to 15 minutes with running water. Remove contact lenses, if possible. Keep on rinsing. Consult an ophthalmologist.

· **After swallowing:**

Do not let the victim vomit. After swallowing rinse the mouth thoroughly with water (only when the person fully conscious) and call for immediate help. Let the victim rest.

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

After eyecontact: Irritating to eyes.

After inhalation: Significant effects or critical hazards are not known.

Skin contact: irritating to skin. May cause sensitisation by skin contact.

Ingestion: causes irritation to mouth, throat and stomach.

· 4.3 Indication of any immediate medical attention and special treatment needed

Symptomatic treatment.

SECTION 5: Firefighting measures

· 5.1 Extinguishing media

· **Suitable extinguishing agents:** CO₂, powder or water haze. Fight larger fire with alcohol resistant foam.

· **For safety reasons unsuitable extinguishing agents:** Water spray

· 5.2 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

Carbon monoxide (CO)

Carbon dioxide (CO₂)

· 5.3 Advice for firefighters

· **Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit.

· **Additional information**

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

Particular danger of slipping on leaked/spilled product.

Use personal protective equipment. Avoid contact with skin and eyes. Do not inhale vapours.

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· 6.2 Environmental precautions:

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

· 6.3 Methods and material for containment and cleaning up:

Dispose contaminated material as waste according to item 13.

· 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 *Use only in well-ventilated areas. Contact of the skin and avoid the eyes.*

· 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: *Cool but frost-free place in a closed container.*

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

· Further information about storage conditions: *Recommended storage temperature between 5 and 35 °C.*

· 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.

· DNELs

1675-54-3 bis[4-(2,3-epoxypropoxy)phenyl]propane

Oral	DNEL	0.75 mg/kg (Consumer)
Dermal	DNEL dermal long term	3,571 Langdurig /mg/kg l (Consumer)
	DNEL short term systemic health problems	8.33 Langdurig /mg/kg/dag (wrk)
Inhalative	DNEL inhalation short term	3,571 mg/kg/dag (Consumer)
	DNEL Inhalative long terme	8.33 mg/kg/dag (wrk)
Inhalative	DNEL inhalation short term	12.25 Kortdurig /mg/m ³ (wrk)
	DNEL Inhalative long terme	12.25 Langdurig /mg/m ³ (wrk)

2-(2-[2-oxiran-2-ylmethoxy]phenyl)phenyl)methyl phenoxyethyl oxirane; 2-(2-[4-(oxiran-2-ylmethoxy)phenyl]phenyl)methyl oxirane; 2-(4-(oxiran-2-ylmethoxy)phenyl)methyl

Oral	DNEL	6.25 mg/kg (Consumer)
Dermal	DNEL dermal long term	62.5 Langdurig /mg/kg lg/d (Consumer)
	DNEL dermal long term	104.15 Langdurig /mg/kg/da (wrk)
Inhalative	DNEL Inhalative long terme	8.7 Langdurig /mg/m ³ (Consumer)
	DNEL Inhalative long terme	29.39 Langdurig /mg/m ³ (wrk)

68609-97-2 oxirane, mono[(C12-14-alkyloxy)methyl] derivs

Dermal	DNEL long term	1 mg/kg KG/d (Long term) (Systematics)
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Inhalative	DNEL	3.6 mg/m ³ (Long term) (Systematics)
13463-67-7 titanium dioxide		
Oral	DNEL	700 mg/kg (Consumer)
Inhalative	DNEL Inhalative long terme	10 Langdurig /mg/m ³ (wrk)
· PNECs		
1675-54-3 bis[4-(2,3-epoxypropoxy)phenyl]propane		
PNEC mg/l	0.001 mg/l (Sea Water)	
	0.006 mg/l (Fresh Water)	
PNEC mg/kg	196 mg/kg (Soil)	
	0.001 mg/kg (Sea Water)	
	0.1 mg/kg (Sea Water Sediment)	
	0.006 mg/kg (Fresh Water)	
	0.996 mg/kg (Fresh Water Sediment)	
14464-46-1 cristobalite		
PNEC mg/l	0.0184 mg/l (Sea Water)	
	0.184 mg/l (Fresh Water)	
PNEC mg/kg	100 mg/kg (Soil)	
	100 mg/kg (Sea Water Sediment)	
	1,000 mg/kg (Fresh Water Sediment)	
2-(2-[2-oxiran-2-ylmethoxy]phenyl)phenyl)methyl] phenoxy)methyl]oxirane; 2-(2-[4-(oxiran-2-ylmethoxy)phenyl]methyl] phenyl)methyl]oxirane; 2-(4-(oxiran-2-ylmethoxy)phenyl)methyl]		
PNEC mg/l	0 mg/l (Sea Water)	
	0.003 mg/l (Fresh Water)	
PNEC mg/kg	0.237 mg/kg (Soil)	
	0.029 mg/kg (Sea Water Sediment)	
	0.294 mg/kg (Fresh Water Sediment)	
68609-97-2 oxirane, mono[(C12-14-alkyloxy)methyl] derivs		
PNEC mg/l	0.001 mg/l (Sea Water)	
	0.007 mg/l (Fresh Water)	
PNEC mg/kg	61.42 mg/kg (Soil)	
	30.72 mg/kg (Sea Water Sediment)	
	307.16 mg/kg (Fresh Water Sediment)	
13463-67-7 titanium dioxide		
PNEC mg/l	0.0184 mg/l (Sea Water)	
	0.184 mg/l (Fresh Water)	
PNEC mg/kg	100 mg/kg (Soil)	
	100 mg/kg (Sea Water Sediment)	
	1,000 mg/kg (Fresh Water Sediment)	

· **Additional information:** The lists valid during manufacture were used as basis.

· **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.
 Wash hands before breaks and at the end of work.
 Avoid contact with the eyes and skin.
 Do not eat, drink, smoke or sniff while working.*
- **Respiratory protection:** *Not necessary if room is well-ventilated.*
- **Hand protection**



Protective gloves

*The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
 Selection of the glove material is dependant on the penetration times, rates of diffusion and degradation.*

- **Material of gloves**
*Recommended use: nitrile rubber. Butyl rubber. Thickness of the gloves 0.7 mm. The penetration time of the mentioned glove material is greater than 480 min. Ensure that the breakthrough time of the glove material is not exceeded. Consult glove supplier for breakthrough information for specific gloves.
 The gloves should be replaced regularly and at any sign of damage to the glove material. Unsuitable material for the gloves: Disposable gloves, leather.
 Gloves must comply with standard EN 374.*
- **Penetration time of glove material** ≥ 480 Minutes
- **For prolonged contact gloves made of the following materials are suitable:**
*Butyl rubber
 Nitrile rubber
 Thickness 0,7 mm.*
- **Not suitable are gloves made of the following materials:**
*Leather gloves
 Disposable gloves.*
- **Eye/face protection**



Tightly sealed goggles

Tightly sealed goggles by risk of splashing.

- **Body protection:** *Protective work clothing*

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Colour:** *Different according to colouring*
- **Odour:** *Weak, characteristic*
- **Odour threshold:** *Not determined.*
- **Melting point/freezing point:** *Undetermined.*
- **Boiling point or initial boiling point and boiling range** *Undetermined.*
- **Flammability** *Not applicable.*

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· Lower and upper explosion limit	
· Lower:	<i>Not determined.</i>
· Upper:	<i>Not determined.</i>
· Flash point:	154 °C
· Decomposition temperature:	<i>Not determined.</i>
· pH	<i>Not determined.</i>
· Viscosity:	
· Kinematic viscosity	<i>Not determined.</i>
· Dynamic:	<i>Not determined.</i>
· Solubility	
· water:	<i>Not soluble and miscible.</i>
· Partition coefficient n-octanol/water (log value)	<i>Not determined.</i>
· Vapour pressure:	<i>Not determined.</i>
· Density and/or relative density	
· Density at 20 °C:	1.7-1.8 g/cm ³
· Relative density	<i>Not determined.</i>
· Vapour density	<i>Not determined.</i>

· 9.2 Other information

· Appearance:	
· Form:	<i>Paste</i>
· Important information on protection of health and environment, and on safety.	
· Auto-ignition temperature:	<i>Product is not self-igniting.</i>
· Explosive properties:	<i>Product does not present an explosion hazard.</i>
· Solvent content:	
· VOC(EC%)	0.40 %
· Change in condition	
· Evaporation rate	<i>Not determined.</i>

· Information with regard to physical hazard classes

· Explosives	<i>Void</i>
· Flammable gases	<i>Void</i>
· Aerosols	<i>Void</i>
· Oxidising gases	<i>Void</i>
· Gases under pressure	<i>Void</i>
· Flammable liquids	<i>Void</i>
· Flammable solids	<i>Void</i>
· Self-reactive substances and mixtures	<i>Void</i>
· Pyrophoric liquids	<i>Void</i>
· Pyrophoric solids	<i>Void</i>
· Self-heating substances and mixtures	<i>Void</i>
· Substances and mixtures, which emit flammable gases in contact with water	<i>Void</i>
· Oxidising liquids	<i>Void</i>
· Oxidising solids	<i>Void</i>
· Organic peroxides	<i>Void</i>
· Corrosive to metals	<i>Void</i>

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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**
May produce violent reactions with bases and numerous organic substances including alcohols and amines.
- **10.4 Conditions to avoid** *No further relevant information available.*
- **10.5 Incompatible materials:** *Exothermic reaction with: Alcohols, amines. Exothermic polymerization.*
- **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:**

1675-54-3 bis[4-(2,3-epoxypropoxy)phenyl]propane

Dermal	LD50	2,000 mg/kg (rat)
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2-(2[2-oxiran-2-ylmethoxy]phenyl)phenyl)methyl] phenoxyymethyl)oxirane; 2-(2[4-(oxiran-2-ylmethoxy)phenyl)methyl] phenylmethyl)oxirane; 2-(4-(oxiran-2-ylmethoxy)phenyl)methyl]

Oral	LD50	>5,000 mg/kg (rat)
------	------	--------------------

Dermal	LD50	>2,000 mg/kg (rat)
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68609-97-2 oxirane, mono[(C12-14-alkyloxy)methyl] derivs

Oral	LD50	17,100 mg/kg (rat)
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Dermal	LD50	>4,000 mg/kg (rabbit)
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Inhalative	LC50/7 h	>0.15 mg/l (rat)
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13463-67-7 titanium dioxide

Oral	LD50	>20,000 mg/kg (rat)
------	------	---------------------

Dermal	LD50	>10,000 mg/kg (rabbit)
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Inhalative	LC50/4 h	>6.82 mg/l (rat)
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- **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

· 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

LC50/96 h | 1.5 mg/l (OM)

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

· 12.3 Bioaccumulative potential

68609-97-2 oxirane, mono[(C12-14-alkyloxy)methyl] derivs

BCF | 100-3,000 BCF (Not specified)

Verdelingscoëfficiënt n-octanol/water | >3 [---] (log Pow) (Not specified)

· 12.4 Mobility in soil *No further relevant information available.*

· 12.5 Results of PBT and vPvB assessment

· **PBT:** *This mixture contains no substances considered to be persistent or bioaccumulative or toxic (PBT).*

· vPvB:

This mixture does not contain any substances considered to be very persistent or very bioaccumulative (vPvB).

· 12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

· 12.7 Other adverse effects

· **Remark:** *Harmful to fish*

· Behaviour in sewage processing plants:

68609-97-2 oxirane, mono[(C12-14-alkyloxy)methyl] derivs

OECD 301 F | 28 % / 28 d (Not specified)

· 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, even in small quantities.

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

Harmful to 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.

Uncured product: special waste.

Cured product, for example, after mixing with the appropriate amount of hardener: domestic or commercial waste. Note local regulations.

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· European waste catalogue

08 04 09*	waste adhesives and sealants containing organic solvents or other hazardous substances
15 01 10*	packaging containing residues of or contaminated by hazardous substances
HP4	Irritant - skin irritation and eye damage
HP5	Specific Target Organ Toxicity (STOT)/Aspiration Toxicity
HP13	Sensitising
HP14	Ecotoxic

· **Uncleaned packaging:**

· **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

· 14.1 UN number or ID number

· ADR, ADN, IMDG, IATA Void

· 14.2 UN proper shipping name

· ADR, ADN, IMDG, IATA Void

· 14.3 Transport hazard class(es)

· ADR, ADN, IMDG, IATA

· Class Void

· 14.4 Packing group

· ADR, IMDG, IATA Void

· 14.5 Environmental hazards:

· Marine pollutant: No

· 14.6 Special precautions for user

Not applicable.

· 14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

· Transport/Additional information:

Not classified as hazardous under transport regulations.

· UN "Model Regulation":

Void

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.*

· 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.

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· **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.

· **National regulations:**

· **Waterhazard class:** *Water hazard class 2 (Self-assessment): hazardous for water.*

· **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**

H312 Harmful in contact with skin.

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.

EUH205 Contains epoxy constituents. May produce an allergic reaction.

· **Department issuing SDS:** *R&D department*

· **Contact:** *Ing. T.W. Breeuwer*

· **Date of previous version:** *23.01.2023*

· **Version number of previous version:** *3*

· **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

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

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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

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