

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 13.02.2023

Version number 4 (replaces version 3)

Revision: 13.02.2023

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

1.1 Product identifier**Trade name: 021 Euroblock Reno LE - component B****Article number:** 021-B LE**UFI:** JWFX-59HV-D00G-QEMP**1.2 Relevant identified uses of the substance or mixture and uses advised against***No further relevant information available.***Application of the substance / preparation** *Crosslinker***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***Acute Tox. 4 H302 Harmful if swallowed.**Skin Corr. 1B H314 Causes severe skin burns and eye damage.**Skin Sens. 1 H317 May cause an allergic skin reaction.**Aquatic Chronic 2 H411 Toxic 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**

GHS05 GHS07 GHS09

Signal word *Danger***Hazard-determining components of labelling:***Polyoxypropylendiamine*

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2,4,6-tris(dimethylaminomethyl)phenol
phenol, styrenated
m-phenylenebis(methylamine)
isophorone diamine
3,3,5-trimethylhexamethylene-diamine

Hazard statements

H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
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.
P310 Immediately call a POISON CENTER/doctor.

2.3 Other hazards
Results of PBT and vPvB assessment

· **PBT:** Not applicable.
· **vPvB:** Not applicable.

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 crosslinker

Dangerous components:

CAS: 61788-44-1 EINECS: 262-975-0	phenol, styrenated ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; Skin Sens. 1A, H317	>25-50%
CAS: 9046-10-0	Polyoxypropyrendiamine ⚠ Skin Corr. 1C, H314; Eye Dam. 1, H318; Aquatic Chronic 3, H412	>10-25%
CAS: 39423-51-3	Polyoxypropylen triamine ⚠ Eye Dam. 1, H318; ⚠ Aquatic Chronic 2, H411; ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312	>10-25%
CAS: 1477-55-0 EINECS: 216-032-5	m-phenylenebis(methylamine) ⚠ Skin Corr. 1B, H314; ⚠ Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Sens. 1B, H317; Aquatic Chronic 3, H412	>5-10%
CAS: 2855-13-2 EINECS: 220-666-8	isophorone diamine ⚠ Skin Corr. 1B, H314; Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302; Skin Sens. 1A, H317 ATE: LD50 oral: 1,030 mg/kg Specific concentration limit: Skin Sens. 1A; H317: C ≥ 0.001 %	>5-10%

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CAS: 90-72-2 EINECS: 202-013-9	2,4,6-tris(dimethylaminomethyl)phenol ⚠ Skin Corr. 1C, H314; Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302	>5-10%
CAS: 25513-64-8	3,3,5-trimethylhexamethylene-diamine ⚠ Skin Corr. 1B, H314; ⚠ Acute Tox. 4, H302; Skin Sens. 1, H317	<1%
CAS: 61788-46-3 EINECS: 262-977-1	cocoalkylamine ⚠ STOT RE 2, H373; Asp. Tox. 1, H304; ⚠ Skin Corr. 1B, H314; Eye Dam. 1, H318; ⚠ Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=10); ⚠ Acute Tox. 4, H302; STOT SE 3, H335	<1%

· **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.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

· **After inhalation:** *In case of unconsciousness place patient stably in side/recovery position for transportation.*

· **After skin contact:**

After contact with skin, wash immediately with plenty of soap and water. Take off immediately and wash contaminated clothing before reuse. Medical treatment necessary.

· **After eye contact:**

Rinse eyes with open eyelid for a few minutes under running water and immediately consult an eye doctor.

· **After swallowing:**

Do not induce vomiting. Rinse mouth thoroughly and drink plenty of water (only if person is conscious).

· **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 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.

· **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.

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SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation

Avoid contact with eyes and skin.

Use personal protective equipment.

· 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.

· 6.3 Methods and material for containment and cleaning up:

Use neutralising agent.

Take up with liquid-binding substances (sand, diatomaceous earth, acid binder, universal binder).

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 *Ensure good ventilation/exhaustion at the workplace.*

· **Information about fire - and explosion protection:** *Keep respiratory protective device available.*

· 7.2 Conditions for safe storage, including any incompatibilities

· **Storage:**

· **Requirements to be met by storerooms and receptacles:** *Store in a cool, but frost-proof location.*

· **Information about storage in one common storage facility:** *Not required.*

· **Further information about storage conditions:**

Recommended storage temperature between 10 and 30 °C.

Store cool and dry in closed original packaging.

· **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

61788-44-1 phenol, styrenated

Dermal	DNEL long term	6.25 mg/kg KG/d (wrk)
Inhalative	DNEL	11.02 mg/m ³ (wrk)

1477-55-0 m-phenylenebis(methylamine)

Dermal	DNEL long term	0.33 mg/kg KG/d (LT)
Inhalative	DNEL	1.2 mg/m ³ (LT)

2855-13-2 isophorone diamine

Inhalative	DNEL inhalation short term	0.073 mg/m ³ /mg/m ³ (wrk)
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	DNEL	0.073 mg/m ³ (LT) 0.073 mg/m ³ (Short term)
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· PNECs
61788-44-1 phenol, styrenated

PNEC mg/l	0.014 mg/l (Sea Water) 0.0015 mg/l (Fresh Water)
PNEC mg/kg	0.018 mg/kg (Soil) 0.125 mg/kg (Sea Water Sediment) 0.132 mg/kg (Fresh Water Sediment)

1477-55-0 m-phenylenebis(methylamine)

PNEC mg/l	0.009 mg/l (Sea Water) 0.094 mg/l (Fresh Water)
PNEC mg/kg	0.045 mg/kg (Soil) 0.043 mg/kg (Sea Water Sediment) 0.43 mg/kg (Fresh Water Sediment)

2855-13-2 isophorone diamine

PNEC mg/l	1.121 mg/l (Soil) 0.0094 mg/l (Sea Water) 0.578 mg/l (Sea Water Sediment) 0.094 mg/l (Fresh Water) 5.784 mg/l (Fresh Water Sediment)
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90-72-2 2,4,6-tris(dimethylaminomethyl)phenol

PNEC mg/l	0.005 mg/l (Sea Water) 0.046 mg/l (Fresh Water)
PNEC mg/kg	0.025 mg/kg (Soil) 0.026 mg/kg (Sea Water Sediment) 0.262 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.
- **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.

Immediately remove all soiled and contaminated clothing

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

Avoid contact with the eyes and skin.

· Respiratory protection:

Not necessary if room is well-ventilated.

With intensive resp. prolonged exposure and use self-contained breathing apparatus.

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· 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

Gloves that protect against chemicals with the CE marking including the four-digit control number may be worn when handling chemical substances. Protective gloves against chemicals must be selected in their design depending on the concentration of the hazardous material and quantity, specifically for the workplace. It is recommended to inquire about the chemical resistance of the above-mentioned protective gloves for special use with the glove manufacturer. Recommendation to EN 374: amendment of butyl rubber/nitrile rubber > (0.4 mm) Contaminated gloves must be removed: for short term use or splash protection. For permanent exposure: Viton (0.4mm) breakthrough time > 30 min.

· Penetration time of glove material

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

· **For prolonged contact gloves made of the following materials are suitable:** *Viton 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

· Physical state

Fluid

· Colour:

Yellow

· Odour:

Amine-like

· 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:

112 °C

· Decomposition temperature:

Not determined.

· pH

Not determined.

· Viscosity:

· Kinematic viscosity

Not determined.

· Dynamic at 25 °C:

200-320 mPas (ISO 2884-1)

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· Solubility	
· water:	<i>Partly soluble, not miscible with water.</i>
· Partition coefficient n-octanol/water (log value)	<i>Not determined.</i>
· Vapour pressure at 25 °C:	<i>~0 hPa</i>
· Density and/or relative density	
· Density at 23 °C:	<i>1.03 g/cm³</i>
· Relative density	<i>Not determined.</i>
· Vapour density	<i>Not determined.</i>

· **9.2 Other information**

· Appearance:	
· Form:	<i>Fluid</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:	
· Solids content:	<i>12.3 %</i>
· Change in condition	
· Evaporation rate	<i>Not determined.</i>

· **Information with regard to physical hazard classes**

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

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· Oxidising solids	Void
	Void
· Organic peroxides	Void
	Void
· Corrosive to metals	Void
	Void
· Desensitised explosives	Void
	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**
Strong exothermic reaction with acids.
Reacts with oxidising agents.
- **10.4 Conditions to avoid** *No further relevant information available.*
- **10.5 Incompatible materials:** *No further relevant information available.*
- **10.6 Hazardous decomposition products:**
Corrosive gases/vapours
Ammonia

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** *Harmful if swallowed.*

· LD/LC50 values relevant for classification:

61788-44-1 phenol, styrenated

Oral	LD50	>2,000 mg/kg (rat)
Dermal	LD50	>7,940 mg/kg (rabbit)

9046-10-0 Polyoxypropyrylendiamine

Oral	LD50	2,885 mg/kg (rat)
Dermal	LD50	2,980 mg/kg (rabbit)

39423-51-3 Polyoxypropyleen triamine

Oral	LD50	220 mg/kg (rat)
Dermal	LD50	552 mg/kg (rabbit)

1477-55-0 m-phenylenebis(methylamine)

Oral	LD50	930 mg/kg (rat)
Dermal	LD50	>3,100 mg/kg (rabbit)
Inhalative	LC50/4 h	1.34 mg/l (rat)

2855-13-2 isophorone diamine

Oral	LD50	1,030 mg/kg (rat)
Dermal	ATE	1,100 mg/kg (rat)

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Inhalative	LC50/4 h	>5.01 mg/l (rat)
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90-72-2 2,4,6-tris(dimethylaminomethyl)phenol

Oral	LD50	2,169 mg/kg (rat)
	ATE	500 mg/kg (Not specified)
		500 mg/kg (rat)

- **Skin corrosion/irritation** Causes severe skin burns and eye damage.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **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**

61788-44-1	phenol, styrenated
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List II

SECTION 12: Ecological information

12.1 Toxicity

- **Aquatic toxicity:**

61788-44-1 phenol, styrenated

LC50/96h	1-10 mg/l (BR)
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9046-10-0 Polyoxypropylendiamine

LC50/96h	>15 mg/l (fish)
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1477-55-0 m-phenylenebis(methylamine)

LC50/96h	87.6 mg/l (<i>Oryzias latipes</i>)
ErC50/72 h	20.3 mg/l (<i>Se</i>)
	20.3 mg/l (<i>Pseudokirchnerella subcapitata</i>)
EC50/48 h	16 mg/l (DM)

90-72-2 2,4,6-tris(dimethylaminomethyl)phenol

LC50/96h	175 mg/l (<i>Cyprinus Carpio</i>)
ErC50/72 h	84 mg/l (<i>Demodermus subspicatus</i>)
EC50/48 h	718 mg/l (<i>Palaemonetes vulgaris</i>)
LC50/96 h	175 mg/l (<i>Cyprinus Carpio</i>)

12.2 Persistence and degradability
1477-55-0 m-phenylenebis(methylamine)

OECD 301-B	49 %/28 d (Not specified)
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2855-13-2 isophorone diamine

Biologische afbreekbaarheid	8 % / 28 d (OECD 301A)
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90-72-2 2,4,6-tris(dimethylaminomethyl)phenol

OECD 301/D EEC 92/69/V, C.4-E | 4 % / 28 d (Not specified)

12.3 Bioaccumulative potential**61788-44-1 phenol, styrenated**

BCF | 69-190 BCF (Not specified)

1477-55-0 m-phenylenebis(methylamine)

Verdelingscoëfficiënt n-octanol/water | 0.18 [---] (log Pow) (Not specified)

· **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· **Remark:** Toxic for fish**Additional ecological information:****General notes:**

Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Must not reach sewage water or drainage ditch undiluted or unneutralised.

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

Also poisonous for fish and plankton in water bodies.

Avoid transfer into the environment.

Toxic for aquatic organisms

SECTION 13: Disposal considerations**13.1 Waste treatment methods****European waste catalogue**

HP6 | Acute Toxicity

HP8 | Corrosive

HP13 | Sensitising

HP14 | Ecotoxic

Uncleaned packaging:· **Recommendation:** Disposal must be made according to official regulations.· **Recommended cleansing agents:** Warm water, if necessary together with cleansing agents.**SECTION 14: Transport information****14.1 UN number or ID number**· **ADR, IMDG, IATA**

UN2735

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· 14.2 UN proper shipping name

· ADR

2735 AMINES, LIQUID, CORROSIVE, N.O.S. (m-phenylenebis(methylamine), Polyoxypropylendiamine), ENVIRONMENTALLY HAZARDOUS

· IMDG, IATA

AMINES, LIQUID, CORROSIVE, N.O.S. (m-phenylenebis(methylamine), Polyoxypropylendiamine)

· 14.3 Transport hazard class(es)

· ADR



· Class

8 Corrosive substances.

· Label

8

· IMDG, IATA



· Class

8 Corrosive substances.

· Label

8

· 14.4 Packing group

· ADR, IMDG, IATA

II

· 14.5 Environmental hazards:

Product contains environmentally hazardous substances: phenol, styrenated

· Special marking (ADR):

Symbol (fish and tree)

· 14.6 Special precautions for user

Warning: Corrosive substances.

· Hazard identification number (Kemler code):

80

· EMS Number:

F-A,S-B

· Segregation groups

Alkalis

· Stowage Category

A

· Segregation Code

SG35 Stow "separated from" SGG1-acids

· 14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

· Transport/Additional information:

· ADR

· Limited quantities (LQ)

1L

· Excepted quantities (EQ)

Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

· Transport category

2

· Tunnel restriction code

E

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· IMDG	
· Limited quantities (LQ)	1L
· Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· UN "Model Regulation":	UN 2735 AMINES, LIQUID, CORROSIVE, N.O.S. (M-PHENYLENEBIS(METHYLAMINE)), POLYOXYPROPYLENDIAMINE), 8, II, ENVIRONMENTALLY HAZARDOUS

SECTION 15: Regulatory information

· 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** *None of the ingredients is listed.*
- **Seveso category E2** *Hazardous to the Aquatic Environment*
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 200 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t
- **REGULATION (EC) No 1907/2006 ANNEX XVII** *Conditions of restriction: 3*

· **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

· **REGULATION (EU) 2019/1148**

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

None of the ingredients is listed.

· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

· **National regulations:**

· **Information about limitation of use:**

*Observe work restrictions according to the law on the protection of young people at work (94/33/EC).
Observe work restrictions in accordance with the Pregnancy Directive (92/85/EEC) for expectant or nursing mothers.*

· **Waterhazard class:** *Water hazard class 3 (Self-assessment): extremely hazardous for water.*

· **15.2 Chemical safety assessment:**

A substance safety assessment has been carried out for the following substances in this mixture:

Phenol, styrenated

Poly[ody(methyl-1,2-ethanediyl)], alpha-(2-aminomethylethyl)-,omega,-(2-aminomethylethoxy)-m-xylenediamine

3-aminomethyl-3,5,5-trimethylcyclohexylamine

2,4,6-tri(dimethylaminomethyl)phenol

2,4,6-tri(dimethylaminomethyl)phenol

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A Chemical Safety Assessment has not been carried out.

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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.
 H304 May be fatal if swallowed and enters airways.
 H312 Harmful in contact with skin.
 H314 Causes severe skin burns and eye damage.
 H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H318 Causes serious eye damage.
 H332 Harmful if inhaled.
 H335 May cause respiratory irritation.
 H373 May cause damage to organs through prolonged or repeated exposure.
 H400 Very toxic to aquatic life.
 H410 Very toxic to aquatic life with long lasting effects.
 H411 Toxic to aquatic life with long lasting effects.
 H412 Harmful to aquatic life with long lasting effects.

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

· **Contact:** Ing. T.W. Breeuwer

· **Date of previous version:** 08.04.2021

· **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)
 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 Corr. 1B: Skin corrosion/irritation – Category 1B
 Skin Corr. 1C: Skin corrosion/irritation – Category 1C
 Skin Irrit. 2: Skin corrosion/irritation – Category 2
 Eye Dam. 1: Serious eye damage/eye irritation – Category 1
 Skin Sens. 1: Skin sensitisation – Category 1
 Skin Sens. 1A: Skin sensitisation – Category 1A
 Skin Sens. 1B: Skin sensitisation – Category 1B
 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
 STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
 Asp. Tox. 1: Aspiration hazard – Category 1
 Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
 Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – 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.**