

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

1.1. Product identifier

Product form : Mixture
Product name : Nelfamar HB Coating
Product code : F.0745
Product group : Recipe

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses

Main use category : Industrial use, Professional use
Industrial/Professional use spec : Wide dispersive use
Use of the substance/mixture : High build, physically drying chlorinated rubber coating
Function or use category : Coatings and paints, thinners, paint removers

Uses advised against

Restrictions on use : Consumer uses: Private households (= general public = consumers)

1.3. Details of the supplier of the safety data sheet

Nelf Marine Paints B.V.
Nieuweweg 5
NL 9073 GN Marrum, Fryslân
Nederland
T +31 (0)518 - 418 000
info@nelfmarine.nl, www.nelfmarine.nl

1.4. Emergency telephone number

Country/Area	Organisation/Company	Address	Emergency number	Comment
Netherlands	Nationaal Vergiftigingen Informatie Centrum (NVIC)	Huispostnummer Q03.2.315 Postbus 85500 3508 GA Utrecht	+31 88 755 80 00	Only for the purpose of informing medical personnel in cases of acute intoxications (24 hours a day, 7 days a week)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flammable liquids, Category 3 H226
Skin corrosion/irritation, Category 2 H315
Serious eye damage/eye irritation, Category 2 H319
Specific target organ toxicity – Single exposure, Category 3, H335
Respiratory tract irritation
Specific target organ toxicity – Repeated exposure, Category 2 H373
Hazardous to the aquatic environment – Chronic Hazard, H412
Category 3
Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

Flammable liquid and vapour. May cause damage to organs through prolonged or repeated exposure. May cause respiratory irritation. Causes skin irritation. Causes serious eye irritation. Harmful to aquatic life with long lasting effects.

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2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



CLP Signal word

Contains

Hazard statements (CLP)

Precautionary statements (CLP)

EUH-statements

Extra phrases

- : Warning
- : Hydrocarbons, C9, aromatics; butan-1-ol; n-butanol; Reaction mass of ethylbenzene and xylene
- : H226 - Flammable liquid and vapour.
H315 - Causes skin irritation.
H319 - Causes serious eye irritation.
H335 - May cause respiratory irritation.
H373 - May cause damage to organs through prolonged or repeated exposure.
H412 - Harmful to aquatic life with long lasting effects.
- : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261 - Avoid breathing vapours.
P264 - Wash hands thoroughly after handling.
P280 - Wear eye protection, protective gloves.
P312 - Call a doctor if you feel unwell.
P314 - Get medical advice/attention if you feel unwell.
- : EUH208 - Contains reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700)(1675-54-3), Fatty acids, tall-oil, esters with polyethylene glycol mono(hydrogen maleate), compounds with amides from diethylenetriamine and tall-oil fatty acids(222716-38-3), Formaldehyde, polymer with 2-(chloromethyl)oxirane and phenol(9003-36-5). May produce an allergic reaction.
- : The synthetic polymer microparticles supplied are subject to conditions laid down by entry 78 of Annex XVII to Regulation (EC) No 1907/2006 of the European Parliament and of the Council.

2.3. Other hazards

PBT: not yet assessed

vPvB: not yet assessed

Contains no PBT and/or vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

Component	
PBT: not relevant – no registration required	butan-1-ol; n-butanol (71-36-3)(¹), Amorphous silicon dioxide (7631-86-9)
vPvB: not relevant – no registration required	butan-1-ol; n-butanol (71-36-3)(¹)

(¹) Substance(s) in concentration below 0.1 % and displayed on a voluntary basis

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

Component	
Substance(s) not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605	reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700) (1675-54-3)

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SECTION 3: Composition/information on ingredients

3.2. Mixtures

Comments : The hydrogenated naphtha with the CAS No. 64742-48-9 and listed in Annex VI of the CLP under number 649-327-00-6 with a mention of Note P, less than 0.1% benzene

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Reaction mass of ethylbenzene and xylene substance with national workplace exposure limit(s) (DE, FR, GB, NL, PL); substance with a Community workplace exposure limit	EC-No.: 905-588-0 REACH-no: 01-2119488216-32	10 – 25	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 (ATE=1100 mg/kg bodyweight) Acute Tox. 4 (Inhalation), H332 (ATE=11 mg/l/4h) Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Chronic 3, H412
Barium sulphate substance with national workplace exposure limit(s) (DE, GB, SK)	CAS-No.: 7727-43-7 EC-No.: 231-784-4	10 – 25	Not classified
CI Pigment White 6 substance with national workplace exposure limit(s) (DE, FR, GB, PL, RO, SK)	CAS-No.: 13463-67-7 EC-No.: 236-675-5 EC Index-No.: 022-006-00-2 REACH-no: 01-2119489379-17	10 – 25	Not classified
Hydrocarbons, C9, aromatics substance with national workplace exposure limit(s) (NL)	CAS-No.: 128601-23-0 EC-No.: 918-668-5 REACH-no: 01-2119455851-35	5 – 10	Flam. Liq. 3, H226 STOT SE 3, H336 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 EUH066
2-methylpropan-1-ol; iso-butanol substance with national workplace exposure limit(s) (CZ, DE, FR, GB, PL, RO, SK)	CAS-No.: 78-83-1 EC-No.: 201-148-0 EC Index-No.: 603-108-00-1 REACH-no: 01-2119484609-23	2.5 – 3	Flam. Liq. 3, H226 STOT SE 3, H335 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H336
reaction mass of N, N'-ethane1,2-diylbis(hexanamide) and 12-hydroxy-N-[2-[(1-oxyhexyl)amino]ethyl]octadecanamide and N, N'-ethane-1,2-diylbis(12-hydroxyoctadecan amide)	EC-No.: 432-430-3 EC Index-No.: 616-200-00-1 REACH-no: 01-0000017860-69	1 – 2.5	Aquatic Chronic 4, H413
toluene substance with national workplace exposure limit(s) (CZ, DE, FR, GB, NL, PL, RO, SI, SK, RS); substance with a Community workplace exposure limit	CAS-No.: 108-88-3 EC-No.: 203-625-9 EC Index-No.: 601-021-00-3 REACH-no: 01-2119471310-51	0.3 – 0.5	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Repr. 2, H361d STOT SE 3, H336 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Chronic 3, H412

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Fatty acids, tall-oil, esters with polyethylene glycol mono(hydrogen maleate), compounds with amides from diethylenetriamine and tall-oil fatty acids	CAS-No.: 222716-38-3	0.1 – 0.3	Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Skin Irrit. 2, H315 Skin Sens. 1, H317 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight $\leq$ 700)	CAS-No.: 1675-54-3 EC-No.: 216-823-5 EC Index-No.: 603-073-00-2 REACH-no: 01-2119456619-26	0.1 – 0.3	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 2, H411
Quartz, respirable fraction substance with national workplace exposure limit(s) (FR, GB, NL)	CAS-No.: 14808-60-7 EC-No.: 238-878-4	0.1 – 0.3	STOT RE 1, H372
Amorphous silicon dioxide substance with national workplace exposure limit(s) (DE)	CAS-No.: 7631-86-9 EC-No.: 231-545-4 REACH-no: 01-2119379499-16	0.1 – 0.3	Not classified
Aluminium oxide (Al ₂ O ₃) substance with national workplace exposure limit(s) (DE, FR, GB, PL, RO, SK)	CAS-No.: 1344-28-1 EC-No.: 215-691-6	0.05 – 0.1	Not classified
Formaldehyde, polymer with 2-(chloromethyl)oxirane and phenol	CAS-No.: 9003-36-5 EC-No.: 500-006-8 REACH-no: 01-2119454392-40	0.036 – 0.05	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1A, H317 Aquatic Chronic 2, H411
Zirconium dioxide substance with national workplace exposure limit(s) (DE)	CAS-No.: 1314-23-4 EC-No.: 215-227-2	0.01 – 0.036	Not classified
butan-1-ol; n-butanol substance with national workplace exposure limit(s) (BE, CZ, DE, FR, GB, NL, RO, SK)	CAS-No.: 71-36-3 EC-No.: 200-751-6 EC Index-No.: 603-004-00-6 REACH-no: 01-2119484630-38	0.01 – 0.036	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 (ATE=780 mg/kg bodyweight) STOT SE 3, H335 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H336
2,2'-iminodiethylamine; diethylenetriamine substance with national workplace exposure limit(s) (CZ, FR, GB, RO)	CAS-No.: 111-40-0 EC-No.: 203-865-4 EC Index-No.: 612-058-00-X REACH-no: 01-2119473793-27	0.001 – 0.0015	Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Acute Tox. 4 (Dermal), H312 (ATE=1100 mg/kg bodyweight) Acute Tox. 2 (Inhalation), H330 (ATE=0.5 mg/l/4h) Skin Corr. 1B, H314 Skin Sens. 1, H317 STOT SE 3, H335

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Specific concentration limits:		
Name	Product identifier	Specific concentration limits (%)
reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700)	CAS-No.: 1675-54-3 EC-No.: 216-823-5 EC Index-No.: 603-073-00-2 REACH-no: 01-2119456619-26	(5 $\leq$ C $\leq$ 100) Skin Irrit. 2; H315 (5 $\leq$ C $\leq$ 100) Eye Irrit. 2; H319

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Call a poison center or a doctor if you feel unwell.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.
First-aid measures after skin contact	: Rinse skin with water/shower. Take off immediately all contaminated clothing. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.
Self protection of the first-aiders	: First aid workers will be equipped with suitable personal protective equipment.

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

Symptoms/effects after inhalation	: May cause respiratory irritation.
Symptoms/effects after skin contact	: Irritation. Repeated exposure may cause skin dryness or cracking.
Symptoms/effects after eye contact	: Eye irritation.
Symptoms/effects after ingestion	: None under normal conditions.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Flammable liquid and vapour.
Explosion hazard	: No direct explosion hazard.
Hazardous decomposition products in case of fire	: Toxic fumes may be released.

5.3. Advice for firefighters

Firefighting instructions	: Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage.
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For non-emergency personnel

- Protective equipment : Wear recommended personal protective equipment.
- Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.

For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
- Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- For containment : Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible.
- Methods for cleaning up : Clean preferably with a detergent - Avoid the use of solvents.
- Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

See Section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.
- Precautions for safe handling : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Do not breathe dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area. Avoid contact with skin and eyes.
- Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Ground/bond container and receiving equipment.
- Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.
- Storage area : Store according to local legislation. Store in a well-ventilated place.
- Special rules on packaging : Store in a closed container.
- Packaging materials : Always store product in container of same material as original container.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

National occupational exposure and biological limit values

toluene (108-88-3)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	Toluene
IOEL TWA	192 mg/m ³
	50 ppm

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toluene (108-88-3)	
IOEL STEL	384 mg/m ³
	100 ppm
Remark	Skin
Regulatory reference	COMMISSION DIRECTIVE 2006/15/EC
Netherlands - Occupational Exposure Limits	
Local name	Tolueen
TGG-8u (OEL TWA)	150 mg/m ³
	39 ppm
TGG-15min (OEL STEL)	384 mg/m ³
	100 ppm
Regulatory reference	Arbeidsomstandighedenregeling 2024
Hydrocarbons, C9, aromatics (128601-23-0)	
Netherlands - Occupational Exposure Limits	
TGG-8u (OEL TWA)	100 mg/m ³
	19 ppm
butan-1-ol; n-butanol (71-36-3)	
Netherlands - Occupational Exposure Limits	
Local name	n-butanol
TGG-8u (OEL TWA)	62 mg/m ³
	20 ppm
CI Pigment White 6 (13463-67-7)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	Titanium dioxide
Remark	SCOEL Recommendations (Ongoing)
Reaction mass of ethylbenzene and xylene	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL TWA	221 mg/m ³
IOEL STEL	442 mg/m ³
Netherlands - Occupational Exposure Limits	
TGG-8u (OEL TWA)	210 mg/m ³
TGG-15min (OEL STEL)	442 mg/m ³
Quartz, respirable fraction (14808-60-7)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	Silica crystalline (Quartz)
Remark	SCOEL Recommendations (2003)
Netherlands - Occupational Exposure Limits	
Local name	Silicium(di)oxide – kwarts
TGG-8u (OEL TWA)	0.075 mg/m ³ (Voor respirabel stof)

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8.2. Exposure controls

Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Personal protection equipment

Personal protective equipment:

Wear recommended personal protective equipment.

Personal protective equipment symbol(s):



Eye and face protection

Eye protection:

Safety glasses

Skin protection

Skin and body protection:

Wear suitable protective clothing

Hand protection:

Protective gloves

Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Blue. brown. Yellow. Grey. Green. Purple. red. pink. Violet. white. Black.
Odour	: characteristic.
Odour threshold	: Not available
Melting point	: Not applicable
Freezing point	: Not available
Boiling point	: ≥ 100 °C
Flammability	: Flammable liquid and vapour.
Lower explosion limit	: 1 Vol-%
Upper explosion limit	: 11.3 Vol-%
Flash point	: 23 (≥ 23) °C
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: Not available
Viscosity, kinematic	: 1121.233 – 1261.388 mm ² /s
Viscosity, dynamic	: 1600 (1600 – 1800) mPa·s
Solubility	: Immiscible.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: 1.427 kg/l
Relative density	: Not available
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable

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9.2. Other information

Other safety characteristics

VOC content : 492 g/l

SECTION 10: Stability and reactivity

10.1. Reactivity

Flammable liquid and vapour.

10.2. Chemical stability

Stable in use and storage conditions as recommended in item 7.

10.3. Possibility of hazardous reactions

May react violently with oxidants.

10.4. Conditions to avoid

Heat.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Thermal decomposition generates : Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700) (1675-54-3)	
LD50 oral rat	11400 mg/kg
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal))
LD50 dermal rabbit	> 22800 mg/kg
2,2'-iminodiethylamine; diethylenetriamine (111-40-0)	
LD50 oral	1553 mg/kg
LD50 dermal	1045 mg/kg
LC50 Inhalation - Rat	0.07 mg/l
Formaldehyde, polymer with 2-(chloromethyl)oxirane and phenol (9003-36-5)	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
toluene (108-88-3)	
LD50 oral rat	5580 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: EU Method B.1 (Acute Toxicity (Oral)), 95% CL: 5300 - 5910
LD50 dermal rabbit	> 5000 mg/kg bodyweight Animal: rabbit, Animal sex: male, 95% CL: 9,63 - 20,77

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Hydrocarbons, C9, aromatics (128601-23-0)	
LD50 oral rat	3492 (2000 – 5000) mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 Inhalation - Rat	> 6193 mg/l
butan-1-ol; n-butanol (71-36-3)	
LD50 oral rat	780 mg/kg
LD50 dermal rabbit	3400 mg/kg
LC50 Inhalation - Rat	24.3 mg/l/4h
CI Pigment White 6 (13463-67-7)	
LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 425 (Acute Oral Toxicity: Up-and-Down Procedure), Guideline: EPA OPPTS 870.1100 (Acute Oral Toxicity)
Amorphous silicon dioxide (7631-86-9)	
LD50 oral rat	≥ 5000 mg/kg
LD50 dermal rabbit	≥ 5000 mg/kg
Barium sulphate (7727-43-7)	
LD50 oral rat	> 5000 mg/kg
C22-C30 Chlorinated paraffin (chlorination degree: 30-48%) (63449-39-8)	
LD50 oral rat	> 11700 mg/kg
LD50 oral	> 23400 mg/kg
LD50 dermal rabbit	> 13900 mg/kg
Reaction mass of ethylbenzene and xylene	
LD50 dermal rabbit	12126 mg/kg bodyweight Animal: rabbit, Animal sex: male
LC50 Inhalation - Rat	29000 mg/l
Skin corrosion/irritation : Causes skin irritation.	
2,2'-iminodiethylamine; diethylenetriamine (111-40-0)	
pH	> 12
butan-1-ol; n-butanol (71-36-3)	
pH	7
CI Pigment White 6 (13463-67-7)	
pH	7 (6 – 9)
Aluminium oxide (Al2O3) (1344-28-1)	
pH	9.4 – 10.1
Barium sulphate (7727-43-7)	
pH	9
Serious eye damage/irritation : Causes serious eye irritation.	
2,2'-iminodiethylamine; diethylenetriamine (111-40-0)	
pH	> 12

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butan-1-ol; n-butanol (71-36-3)	
pH	7
CI Pigment White 6 (13463-67-7)	
pH	7 (6 – 9)
Aluminium oxide (Al₂O₃) (1344-28-1)	
pH	9.4 – 10.1
Barium sulphate (7727-43-7)	
pH	9
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700) (1675-54-3)	
NOAEL (chronic, oral, animal/male, 2 years)	15 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies), Guideline: EPA OPPTS 870.4300 (Combined Chronic Toxicity / Carcinogenicity), Guideline: other:
NOAEL (chronic, oral, animal/female, 2 years)	100 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies), Guideline: EPA OPPTS 870.4300 (Combined Chronic Toxicity / Carcinogenicity), Guideline: other:
Barium sulphate (7727-43-7)	
NOAEL (chronic, oral, animal/male, 2 years)	60 mg/kg bodyweight Animal: rat, Animal sex: male
NOAEL (chronic, oral, animal/female, 2 years)	75 mg/kg bodyweight Animal: rat, Animal sex: female
Reproductive toxicity	: Not classified
Aluminium oxide (Al₂O₃) (1344-28-1)	
NOAEL (animal/male, F0/P)	1000 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
STOT-single exposure	: May cause respiratory irritation.
2-methylpropan-1-ol; iso-butanol (78-83-1)	
STOT-single exposure	May cause respiratory irritation. May cause drowsiness or dizziness.
2,2'-iminodiethylamine; diethylenetriamine (111-40-0)	
STOT-single exposure	May cause respiratory irritation.
toluene (108-88-3)	
STOT-single exposure	May cause drowsiness or dizziness.
Hydrocarbons, C₉, aromatics (128601-23-0)	
STOT-single exposure	May cause drowsiness or dizziness. May cause respiratory irritation.
butan-1-ol; n-butanol (71-36-3)	
STOT-single exposure	May cause respiratory irritation. May cause drowsiness or dizziness.
Reaction mass of ethylbenzene and xylene	
STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	: May cause damage to organs through prolonged or repeated exposure.

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reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700) (1675-54-3)	
NOAEL (oral, rat, 90 days)	50 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents), Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: other:
2-methylpropan-1-ol; iso-butanol (78-83-1)	
NOAEL (oral, rat, 90 days)	> 1450 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
2,2'-iminodiethylamine; diethylenetriamine (111-40-0)	
LOAEL (oral, rat, 90 days)	530 – 620 mg/kg bodyweight Animal: rat, Guideline: other:
NOAEL (oral, rat, 90 days)	70 – 80 mg/kg bodyweight Animal: rat, Guideline: other:
Fatty acids, tall-oil, esters with polyethylene glycol mono(hydrogen maleate), compounds with amides from diethylenetriamine and tall-oil fatty acids (222716-38-3)	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Formaldehyde, polymer with 2-(chloromethyl)oxirane and phenol (9003-36-5)	
NOAEL (oral, rat, 90 days)	≈ 250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
toluene (108-88-3)	
LOAEL (oral, rat, 90 days)	1250 mg/kg bodyweight Animal: rat, Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEL (oral, rat, 90 days)	625 mg/kg bodyweight Animal: rat, Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEC (inhalation, rat, vapour, 90 days)	2.355 mg/l air Animal: rat, Guideline: EU Method B.29 (Sub-Chronic Inhalation Toxicity:90-Day Study)
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Hydrocarbons, C9, aromatics (128601-23-0)	
NOAEL (oral, rat, 90 days)	600 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
Aluminium oxide (Al2O3) (1344-28-1)	
LOAEC (inhalation, rat, dust/mist/fume, 90 days)	0.015 mg/l air Animal: rat, Guideline: OECD Guideline 452 (Chronic Toxicity Studies)
Reaction mass of ethylbenzene and xylene	
LOAEL (oral, rat, 90 days)	150 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: EPA OPP 82-1 (90-Day Oral Toxicity)
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Quartz, respirable fraction (14808-60-7)	
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.
Aspiration hazard	: Not classified
Nelfamar HB Coating	
Viscosity, kinematic	1121.233 – 1261.388 mm²/s
reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700) (1675-54-3)	
Viscosity, kinematic	6896.552 mm²/s

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2-methylpropan-1-ol; iso-butanol (78-83-1)	
Viscosity, kinematic	3.879 mm²/s
2,2'-iminodiethylamine; diethylenetriamine (111-40-0)	
Viscosity, kinematic	5.26 mm²/s
toluene (108-88-3)	
Viscosity, kinematic	0.647 mm²/s
Hydrocarbons, C9, aromatics (128601-23-0)	
Viscosity, kinematic	81.52 mm²/s
butan-1-ol; n-butanol (71-36-3)	
Viscosity, kinematic	3.7 mm²/s calculated
Reaction mass of ethylbenzene and xylene	
Viscosity, kinematic	< 0.9 mm²/s
Quartz, respirable fraction (14808-60-7)	
Viscosity, kinematic	practically insoluble

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: According to the criteria of the European classification and labelling system, the substance/the product has not to be labelled as "dangerous for the environment".
Ecology - water	: Harmful to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Harmful to aquatic life with long lasting effects.

reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700) (1675-54-3)	
LC50 - Fish [1]	1.5 mg/l
EC50 - Other aquatic organisms [1]	1.7 mg/l
EC50 72h - Algae [1]	9.4 mg/l
EC50 72h - Algae [2]	> 11 mg/l Test organisms (species): Scenedesmus capricornutum
LOEC (chronic)	1 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	0.3 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic algae	4.2 mg/l
2-methylpropan-1-ol; iso-butanol (78-83-1)	
LC50 - Fish [1]	1430 mg/l Test organisms (species): Pimephales promelas
EC50 - Crustacea [1]	1100 mg/l Test organisms (species): Daphnia pulex
NOEC (chronic)	20 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
2,2'-iminodiethylamine; diethylenetriamine (111-40-0)	
LC50 - Fish [1]	0.43 g/l Test organisms (species): Poecilia reticulata

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2,2'-iminodiethylamine; diethylenetriamine (111-40-0)	
EC50 - Crustacea [1]	64.6 mg/l Test organisms (species): Daphnia magna
EC50 - Crustacea [2]	16 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	1164 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
EC50 72h - Algae [2]	187 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
LOEC (chronic)	11.3 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	5.6 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	> 10 mg/l Test organisms (species): Gasterosteus aculeatus Duration: '28 d'
Formaldehyde, polymer with 2-(chloromethyl)oxirane and phenol (9003-36-5)	
LC50 - Fish [1]	> 1000 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
LC50 - Fish [2]	5.7 mg/l Test organisms (species): Leuciscus idus
EC50 - Crustacea [1]	3.5 mg/l Test organisms (species): Daphnia magna
LOEC (chronic)	1 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	0.3 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
toluene (108-88-3)	
LC50 - Fish [1]	5.5 mg/l Test organisms (species): Oncorhynchus kisutch
LOEC (chronic)	2.76 mg/l Test organisms (species): Ceriodaphnia dubia Duration: '7 d'
NOEC (chronic)	0.74 mg/l Test organisms (species): Ceriodaphnia dubia Duration: '7 d'
NOEC chronic fish	1.39 mg/l Test organisms (species): Oncorhynchus kisutch Duration: '40 d'
Hydrocarbons, C9, aromatics (128601-23-0)	
EC50 - Crustacea [1]	3.2 mg/l
EC50 72h - Algae [1]	0.42 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
EC50 72h - Algae [2]	0.29 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
butan-1-ol; n-butanol (71-36-3)	
LC50 - Fish [1]	1910 (100 – 2300) mg/l
CI Pigment White 6 (13463-67-7)	
EC50 - Other aquatic organisms [1]	> 100 mg/l Test organisms (species):
EC50 72h - Algae [1]	> 100 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
LOEC (chronic)	5 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
Aluminium oxide (Al2O3) (1344-28-1)	
EC50 72h - Algae [1]	1.05 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
EC50 72h - Algae [2]	0.2 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)

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Amorphous silicon dioxide (7631-86-9)	
LC50 - Fish [1]	10000 (≥ 10000) mg/l
EC50 - Crustacea [1]	1000 (≥ 1000) mg/l
Barium sulphate (7727-43-7)	
EC50 - Crustacea [1]	> 58.8 mg/l Test organisms (species): Daphnia magna
C22-C30 Chlorinated paraffin (chlorination degree: 30-48%) (63449-39-8)	
LC50 - Fish [1]	770 mg/l
EC50 72h - Algae [1]	> 3.2 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
EC50 96h - Algae [1]	> 3.2 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
Reaction mass of ethylbenzene and xylene	
LC50 - Fish [1]	2.6 mg/l
EC50 - Crustacea [1]	> 3.4 mg/l Test organisms (species): Ceriodaphnia dubia
EC50 72h - Algae [1]	2.2 mg/l
LOEC (chronic)	3.16 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	> 1.3 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '56 d'
12.2. Persistence and degradability	
Nelfamar HB Coating	
Persistence and degradability	Rapidly degradable
reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700) (1675-54-3)	
Persistence and degradability	Rapidly degradable
2-methylpropan-1-ol; iso-butanol (78-83-1)	
Persistence and degradability	Rapidly degradable
2,2'-iminodiethylamine; diethylenetriamine (111-40-0)	
Persistence and degradability	Rapidly degradable
Fatty acids, tall-oil, esters with polyethylene glycol mono(hydrogen maleate), compounds with amides from diethylenetriamine and tall-oil fatty acids (222716-38-3)	
Persistence and degradability	Rapidly degradable
Formaldehyde, polymer with 2-(chloromethyl)oxirane and phenol (9003-36-5)	
Persistence and degradability	Rapidly degradable
Chlororubber resin	
Persistence and degradability	Rapidly degradable
toluene (108-88-3)	
Persistence and degradability	Rapidly degradable
Hydrocarbons, C9, aromatics (128601-23-0)	
Persistence and degradability	Rapidly degradable

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butan-1-ol; n-butanol (71-36-3)	
Persistence and degradability	Rapidly degradable
CI Pigment White 6 (13463-67-7)	
Persistence and degradability	Rapidly degradable
Aluminium oxide (Al₂O₃) (1344-28-1)	
Persistence and degradability	Rapidly degradable
Zirconium dioxide (1314-23-4)	
Persistence and degradability	Rapidly degradable
Amorphous silicon dioxide (7631-86-9)	
Persistence and degradability	Rapidly degradable
Barium sulphate (7727-43-7)	
Persistence and degradability	Rapidly degradable
C22-C30 Chlorinated paraffin (chlorination degree: 30-48%) (63449-39-8)	
Persistence and degradability	Rapidly degradable
Acrylate Polymer Resin	
Persistence and degradability	Rapidly degradable
reaction mass of N, N'-ethane1,2-diylbis(hexanamide) and 12-hydroxy-N-[2-[(1-oxyhexyl)amino]ethyl]octadecanamide and N, N'-ethane-1,2-diylbis(12-hydroxyoctadecan amide)	
Persistence and degradability	Rapidly degradable
Reaction mass of ethylbenzene and xylene	
Persistence and degradability	Rapidly degradable
Quartz, respirable fraction (14808-60-7)	
Persistence and degradability	Rapidly degradable
12.3. Bioaccumulative potential	
reaction product: bisphenol-A(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700) (1675-54-3)	
Partition coefficient n-octanol/water (Log Pow)	3.242
2-methylpropan-1-ol; iso-butanol (78-83-1)	
Partition coefficient n-octanol/water (Log Pow)	0.76
toluene (108-88-3)	
Partition coefficient n-octanol/water (Log Pow)	2.73
Hydrocarbons, C₉, aromatics (128601-23-0)	
Partition coefficient n-octanol/water (Log Pow)	< 4
butan-1-ol; n-butanol (71-36-3)	
Partition coefficient n-octanol/water (Log Pow)	0.88
Reaction mass of ethylbenzene and xylene	
Partition coefficient n-octanol/water (Log Pow)	3.1

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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

Nelfamar HB Coating

PBT: not yet assessed

vPvB: not yet assessed

Component

PBT: not relevant – no registration required	butan-1-ol; n-butanol (71-36-3)(¹), Amorphous silicon dioxide (7631-86-9)
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vPvB: not relevant – no registration required	butan-1-ol; n-butanol (71-36-3)(¹)
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(¹) Substance(s) in concentration below 0.1 % and displayed on a voluntary basis

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

Nelfamar HB Coating

Other information	Avoid release to the environment.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional waste regulation	: Disposal must be done according to official regulations.
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations	: Dispose of in accordance with relevant local regulations.
Product/Packaging disposal recommendations	: Disposal must be done according to official regulations.
Additional information	: Flammable vapours may accumulate in the container. Do not re-use empty containers.
Ecological waste information	: Avoid release to the environment.
European List of Waste (LoW, EC 2000/532)	: 08 01 11* - waste paint and varnish containing organic solvents or other dangerous substances 08 01 12 - waste paint and varnish other than those mentioned in 08 01 11

SECTION 14: Transport information

In accordance with ADR / RID

ADR	RID
14.1. UN number or ID number	
UN 1263	UN 1263
14.2. UN proper shipping name	
PAINT	PAINT
Transport document description	
UN 1263 PAINT, 3, III, (D/E)	UN 1263 PAINT, 3, III
14.3. Transport hazard class(es)	
3	3

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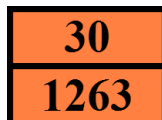
ADR	RID
	
14.4. Packing group	
III	III
14.5. Environmental hazards	
Dangerous for the environment: No	Dangerous for the environment: No
No supplementary information available	

14.6. Special precautions for user

Special transport precautions : In package sizes smaller than 450 L, under the conditions of 2.2.3.1.5.1, this product is ADR exempt.

Overland transport

Classification code (ADR) : F1
Special provisions (ADR) : 163, 367, 650
Limited quantities (ADR) : 5L
Excepted quantities (ADR) : E1
Packing instructions (ADR) : P001, IBC03, LP01, R001
Special packing provisions (ADR) : PP1
Mixed packing provisions (ADR) : MP19
Portable tank and bulk container instructions (ADR) : T2
Portable tank and bulk container special provisions (ADR) : TP1, TP29
Tank code (ADR) : LGBF
Vehicle for tank carriage : FL
Transport category (ADR) : 3
Special provisions for carriage - Packages (ADR) : V12
Special provisions for carriage - Operation (ADR) : S2
Hazard identification number (Kemler No.) : 30
Orange plates :



Tunnel restriction code (ADR) : D/E

Rail transport

Classification code (RID) : F1
Special provisions (RID) : 163, 367, 650
Limited quantities (RID) : 5L
Excepted quantities (RID) : E1
Packing instructions (RID) : P001, IBC03, LP01, R001
Special packing provisions (RID) : PP1
Mixed packing provisions (RID) : MP19
Portable tank and bulk container instructions (RID) : T2
Portable tank and bulk container special provisions (RID) : TP1, TP29
Tank codes for RID tanks (RID) : LGBF
Transport category (RID) : 3
Special provisions for carriage – Packages (RID) : W12
Colis express (express parcels) (RID) : CE4
Hazard identification number (RID) : 30

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

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SECTION 15: Regulatory information

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

EU-Regulations

REACH Annex XVII (Restriction List)

EU restriction list (REACH Annex XVII)

Reference code	Applicable on
3(b)	Nelfamar HB Coating ; reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700) ; 2,2'-iminodiethylamine; diethylenetriamine ; Fatty acids, tall-oil, esters with polyethylene glycol mono(hydrogen maleate), compounds with amides from diethylenetriamine and tall-oil fatty acids ; Formaldehyde, polymer with 2-(chloromethyl)oxirane and phenol ; toluene ; Hydrocarbons, C9, aromatics ; butan-1-ol; n-butanol ; Reaction mass of ethylbenzene and xylene
3(a)	Nelfamar HB Coating ; toluene ; Hydrocarbons, C9, aromatics ; butan-1-ol; n-butanol ; Reaction mass of ethylbenzene and xylene
3(c)	Nelfamar HB Coating ; reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700) ; Fatty acids, tall-oil, esters with polyethylene glycol mono(hydrogen maleate), compounds with amides from diethylenetriamine and tall-oil fatty acids ; Formaldehyde, polymer with 2-(chloromethyl)oxirane and phenol ; toluene ; Hydrocarbons, C9, aromatics
48.	toluene

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (2024/590)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

Council Regulation (EC) for the control of dual-use items

Contains substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items: Aluminium oxide (1344-28-1), Zirconia (1314-23-4).

VOC Directive (2004/42)

VOC content	: 492 g/l
Decopaint Directive (2004/42/EC) - Annex II	: A/i (Paints and Varnishes - One-pack performance coatings)
Maximum allowed concentration	: 500 g/l VOC
Maximum content of VOC	: 481.00 g/l VOC

Explosives Precursors Regulation (EU 2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (EC 273/2004)

Contains substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

Name	CN designation	CAS-No.	CN code	Category, Subcategory	Threshold	Annex
Toluene		108-88-3	2902 30 00	Category 3		Annex I

National regulations

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Netherlands

ABM category	: Z(2) - biodegradable substances with hazardous properties for humans and the environment (carcinogenicity/ mutagenicity/reprotoxicity/bioaccumulative potential or toxicity)
SZW-lijst van kankerverwekkende stoffen	: Quartz, respirable fraction is listed
SZW-lijst van mutagene stoffen	: None of the components are listed
SZW-lijst van reprotoxische stoffen – Borstvoeding	: None of the components are listed
SZW-lijst van reprotoxische stoffen –	: None of the components are listed
Vruchtbaarheid	
SZW-lijst van reprotoxische stoffen – Ontwikkeling	: toluene is listed

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes:

The information supplied has been based upon the current level of information available, for the purpose of specifying the requirements regarding environment, health and safety in conjunction with the product. They are not to be interpreted as a warranty.

Indication of changes

Section	Changed item	Comments
	Revision date	Modified
	Supersedes version of	Modified

Abbreviations and acronyms:

CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
STP	Sewage treatment plant

Data sources	: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Training advice	: Normal use of this product shall imply use in accordance with the instructions on the packaging.
Other information	: None.

Full text of H- and EUH-statements:

Acute Tox. 2 (Inhalation)	Acute toxicity (inhal.), Category 2
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4

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Full text of H- and EUH-statements:	
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
Aquatic Chronic 4	Hazardous to the aquatic environment – Chronic Hazard, Category 4
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Repr. 2	Reproductive toxicity, Category 2
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1A	Skin sensitisation, category 1A
STOT RE 1	Specific target organ toxicity – Repeated exposure, Category 1
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
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.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H361d	Suspected of damaging the unborn child.
H372	Causes damage to organs through prolonged or repeated exposure.
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.

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Full text of H- and EUH-statements:

H413	May cause long lasting harmful effects to aquatic life.
EUH066	Repeated exposure may cause skin dryness or cracking.
EUH208	Contains reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700)(1675-54-3), Fatty acids, tall-oil, esters with polyethylene glycol mono(hydrogen maleate), compounds with amides from diethylenetriamine and tall-oil fatty acids(222716-38-3), Formaldehyde, polymer with 2-(chloromethyl)oxirane and phenol(9003-36-5). May produce an allergic reaction.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Flam. Liq. 3	H226	On basis of test data
Skin Irrit. 2	H315	Calculation method
Eye Irrit. 2	H319	Calculation method
STOT SE 3	H335	Calculation method
STOT RE 2	H373	Calculation method
Aquatic Chronic 3	H412	Calculation method

Safety Data Sheet applicable for regions : NL - Netherlands

The classification complies with : ATP 8

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.