Nelfamar IJzerglimmerverf

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Issue date: 7/16/2001 Revision date: 5/30/2024 Supersedes version of: 9/27/2022 Version: 10.2

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

1.1. Product identifier

Product form : Mixture
Product name : Nelfamar IJzerglimmerverf
Product code : F.0706
Product group : Recipe

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

Relevant identified uses

Intended for general public
Main use category : Industrial use,Professional use
Industrial/Professional use spec : Wide dispersive use
Use of the substance/mixture : Iron Glimmer soils base and finishing paint on alkydbase
Function or use category : Coatings and paints, thinners, paint removers

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
Hazardous to the aquatic environment – Chronic Hazard, Category 3 H412
Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

Flammable liquid and vapour. Harmful to aquatic life with long lasting effects.

2.2. Label elements

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

Hazard pictograms (CLP) :



GHS02

CLP Signal word : Warning

Contains	:	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics; butan-1-ol; n-butanol
Hazard statements (CLP)	:	H226 - Flammable liquid and vapour. H412 - Harmful to aquatic life with long lasting effects.
Precautionary statements (CLP)	:	P102 - Keep out of reach of children. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P501 - Dispose of contents and container to Collection point.
EUH-statements	:	EUH211 - Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist. EUH066 - Repeated exposure may cause skin dryness or cracking. EUH208 - Contains maleic anhydride(108-31-6), Fatty acids, tall-oil, esters with polyethylene glycol mono(hydrogen maleate), compounds with amides from diethylenetriamine and tall-oil fatty acids(222716-38-3). May produce an allergic reaction.
Child-resistant fastening	:	Not applicable
Tactile warning	:	Not applicable

2.3. Other hazards

PBT: not yet assessed
vPvB: not yet assessed
Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

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

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
CI Pigment Red 101 substance with national workplace exposure limit(s) (FR, GB, RO, SK)	CAS-No.: 1309-37-1 EC-No.: 215-168-2	25 – 50	Not classified
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics substance with national workplace exposure limit(s) (PL); substance with a Community workplace exposure limit	CAS-No.: 64742-48-9 EC-No.: 918-481-9 EC Index-No.: 649-327-00-6 REACH-no: 01-2119457273-39	10 – 25	Asp. Tox. 1, H304 EUH066
Talc substance with national workplace exposure limit(s) (GB, NL, PL, RO)	CAS-No.: 14807-96-6 EC-No.: 238-877-9	5 – 10	Not classified
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	3 – 5	Not classified

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics substance with national workplace exposure limit(s) (PL); substance with a Community workplace exposure limit	CAS-No.: 64742-48-9 EC-No.: 919-857-5 EC Index-No.: 649-327-00-6 REACH-no: 01-2119463258-33	2.5 – 3	Flam. Liq. 3, H226 STOT SE 3, H336 Asp. Tox. 1, H304 EUH066
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	1 – 2.5	Not classified
substance with national workplace exposure limit(s) (CZ, DE, FR, GB, PL, SI, SK)	CAS-No.: 7429-90-5 EC-No.: 231-072-3 EC Index-No.: 013-002-00-1 REACH-no: 01-2119529243-45	1 – 2.5	Water-react. 2, H261 Flam. Sol. 1, H228
Naphtha (petroleum), hydrotreated heavy, Low boiling point hydrogen treated naphtha substance with national workplace exposure limit(s) (DE, PL); substance with a Community workplace exposure limit	CAS-No.: 64742-48-9 EC-No.: 265-150-3 EC Index-No.: 649-327-00-6 REACH-no: 01-2119457273-39	1 – 2.5	Asp. Tox. 1, H304 EUH066
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	0.3 – 0.5	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 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	0.1 – 0.3	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
Quartz, inhalable fraction substance with national workplace exposure limit(s) (GB, NL); substance with a Community workplace exposure limit	CAS-No.: 14808-60-7 EC-No.: 238-878-4	0.05 – 0.1	Not classified
Dipropylene glycol monomethyl ether, mixture of isomers substance with national workplace exposure limit(s) (CZ, DE, FR, GB, NL, PL, RO, SK, RS); substance with a Community workplace exposure limit	CAS-No.: 34590-94-8 EC-No.: 252-104-2	0.05 – 0.1	Not classified
2-methylpentane-2,4-diol substance with national workplace exposure limit(s) (DE, FR, GB, PL)	CAS-No.: 107-41-5 EC-No.: 203-489-0 EC Index-No.: 603-053-00-3	0.01 – 0.036	Eye Irrit. 2, H319 Skin Irrit. 2, H315

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
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
Aluminium oxide (Al2O3) substance with national workplace exposure limit(s) (DE, FR, GB, PL, RO, SK)	CAS-No.: 1344-28-1 EC-No.: 215-691-6	0.0015 – 0.01	Not classified
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	0.0015 – 0.01	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
Zirconium dioxide substance with national workplace exposure limit(s) (DE)	CAS-No.: 1314-23-4 EC-No.: 215-227-2	0.0015 – 0.01	Not classified
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	0.0015 – 0.01	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
maleic anhydride substance with national workplace exposure limit(s) (CZ, DE, FR, GB, PL, RO, SK)	CAS-No.: 108-31-6 EC-No.: 203-571-6 EC Index-No.: 607-096-00-9 REACH-no: 01-2119472428-31	< 0.001	Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) STOT RE 1, H372 Skin Corr. 1B, H314 Eye Dam. 1, H318 Resp. Sens. 1, H334 Skin Sens. 1A, H317 EUH071

Specific concentration limits:		
Name	**Product identifier**	**Specific concentration limits (%)**
maleic anhydride	CAS-No.: 108-31-6 EC-No.: 203-571-6 EC Index-No.: 607-096-00-9 REACH-no: 01-2119472428-31	(0.001 ≤ C ≤ 100) Skin Sens. 1A; H317

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 after inhalation : Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact : Rinse skin with water/shower. Take off immediately all contaminated clothing.
First-aid measures after eye contact : Rinse eyes with water as a precaution.
First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

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

Symptoms/effects after skin contact : Repeated exposure may cause skin dryness or cracking.

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.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Flammable liquid and vapour.
Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

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

For non-emergency personnel

Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking.

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".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.
Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. 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.

Hygiene measures : 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.

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/m³
	50 ppm
IOEL STEL	384 mg/m³
	100 ppm
Remark	Skin
Regulatory reference	COMMISSION DIRECTIVE 2006/15/EC
Netherlands - Occupational Exposure Limits	
Local name	Tolueen
TGG-8u (OEL TWA)	150 mg/m³
	39 ppm
TGG-15min (OEL STEL)	384 mg/m³
	100 ppm
Regulatory reference	Arbeidsomstandighedenregeling 2024

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-48-9)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	White spirit Type 3
IOEL TWA	116 mg/m³
	20 ppm
IOEL STEL	290 mg/m³
	50 ppm

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-48-9)	
Remark	skin. SCOEL Recommendations (2007)
Regulatory reference	SCOEL Recommendations

Talc (14807-96-6)	
Netherlands - Occupational Exposure Limits	
Local name	Talk
TGG-8u (OEL TWA)	0.25 mg/m³ (respirabel)
Regulatory reference	Arbeidsomstandighedenregeling 2024

CI Pigment White 6 (13463-67-7)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	Titanium dioxide
Remark	SCOEL Recommendations (Ongoing)

Quartz, inhalable fraction (14808-60-7)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	Silica crystaline (Quartz)
IOEL TWA	0.05 mg/m³ (respirable dust)
Remark	SCOEL Recommendations (2003)
Regulatory reference	SCOEL Recommendations
Netherlands - Occupational Exposure Limits	
Local name	Silicium(di)oxide – kwarts
TGG-8u (OEL TWA)	0.075 mg/m³ (Voor respirabel stof)
Remark	Kankerverwekkende stof
Regulatory reference	Arbeidsomstandighedenregeling 2024

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-48-9)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	White spirit Type 3
IOEL TWA	116 mg/m³
	20 ppm
IOEL STEL	290 mg/m³
	50 ppm
Remark	skin. SCOEL Recommendations (2007)
Regulatory reference	SCOEL Recommendations

Dipropylene glycol monomethyl ether, mixture of isomers (34590-94-8)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	(2-Methoxymethylethoxy)-propanol
IOEL TWA	308 mg/m³
	50 ppm
Remark	Skin
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC

Dipropylene glycol monomethyl ether, mixture of isomers (34590-94-8)	
Netherlands - Occupational Exposure Limits	
Local name	Dipropyleenglycolmethylether
TGG-8u (OEL TWA)	300 mg/m³
	48.7 ppm
Regulatory reference	Arbeidsomstandighedenregeling 2024

butan-1-ol; n-butanol (71-36-3)	
Netherlands - Occupational Exposure Limits	
Local name	n-butanol
TGG-8u (OEL TWA)	62 mg/m³
	20 ppm

Naphtha (petroleum), hydrotreated heavy, Low boiling point hydrogen treated naphtha (64742-48-9)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	White spirit Type 3
IOEL TWA	116 mg/m³
	20 ppm
IOEL STEL	290 mg/m³
	50 ppm
Remark	skin. SCOEL Recommendations (2007)
Regulatory reference	SCOEL Recommendations

Reaction mass of ethylbenzene and xylene	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL TWA	221 mg/m³
IOEL STEL	442 mg/m³
Netherlands - Occupational Exposure Limits	
TGG-8u (OEL TWA)	210 mg/m³
TGG-15min (OEL STEL)	442 mg/m³

8.2. Exposure controls

Appropriate engineering controls

Appropriate engineering controls:
Ensure good ventilation of the work station.

Personal protection 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	:	Grey.
Odour	:	characteristic.
Odour threshold	:	Not available
Melting point	:	Not applicable
Freezing point	:	Not available
Boiling point	:	≥ 100 °C
Flammability	:	Not applicable
Lower explosion limit	:	Not available
Upper explosion limit	:	Not available
Flash point	:	40 (≥ 40) °C
Auto-ignition temperature	:	Not available
Decomposition temperature	:	Not available
pH	:	Not available
Viscosity, kinematic	:	1138.647 – 1540.522 mm²/s
Viscosity, dynamic	:	1700 (1700 – 2300) 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	:	1.493 kg/l
Relative density	:	Not available
Relative vapour density at 20°C	:	Not available
Particle characteristics	:	Not applicable

9.2. Other information

Other safety characteristics

VOC content	:	350 g/l

SECTION 10: Stability and reactivity

10.1. Reactivity

Flammable liquid and vapour.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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

maleic anhydride (108-31-6)	
LD50 dermal rabbit	2620 mg/kg bodyweight Animal: rabbit, Animal sex: female, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)

2,2'-iminodiethylamine; diethylenetriamine (111-40-0)	
LD50 oral	1553 mg/kg
LD50 dermal	1045 mg/kg
LC50 Inhalation - Rat	0.07 mg/l

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

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-48-9)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
LC50 Inhalation - Rat	> 4951 mg/l/4h Maximum attainable vapor concentration

Talc (14807-96-6)	
LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method)
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 Inhalation - Rat	> 2.1 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Guideline: EU Method B.2 (Acute Toxicity (Inhalation)), Guideline: EPA OPPTS 870.1300 (Acute inhalation toxicity)

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

(7429-90-5)	
LD50 oral rat	> 15900 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LC50 Inhalation - Rat	> 0.888 mg/l air Animal: rat, Animal sex: male, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)

CI Pigment Red 101 (1309-37-1)	
LD50 oral	> 5000 mg/kg bodyweight Animal: , Guideline: EU Method B.1 (Acute Toxicity (Oral))

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-48-9)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LD50 dermal rabbit	> 5000 mg/kg
LC50 Inhalation - Rat	> 4.951 mg/l/4h

Dipropylene glycol monomethyl ether, mixture of isomers (34590-94-8)	
LD50 oral rat	5140 mg/kg
LD50 dermal rat	> 19020 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LD50 dermal rabbit	9510 mg/kg

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

Naphtha (petroleum), hydrotreated heavy, Low boiling point hydrogen treated naphtha (64742-48-9)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
LC50 Inhalation - Rat	> 5000 mg/m³

2-methylpentane-2,4-diol (107-41-5)	
LD50 oral rat	3700 mg/kg
LD50 dermal rabbit	7890 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 : Not classified

2,2'-iminodiethylamine; diethylenetriamine (111-40-0)	
pH	> 12

Talc (14807-96-6)	
pH	8 – 10

CI Pigment White 6 (13463-67-7)	
pH	7 (6 – 9)

Aluminium oxide (Al2O3) (1344-28-1)	
pH	9.4 – 10.1

Dipropylene glycol monomethyl ether, mixture of isomers (34590-94-8)	
pH	6 – 7

butan-1-ol; n-butanol (71-36-3)	
pH	7

Serious eye damage/irritation : Not classified

2,2'-iminodiethylamine; diethylenetriamine (111-40-0)	
pH	> 12

Talc (14807-96-6)	
pH	8 – 10

CI Pigment White 6 (13463-67-7)	
pH	7 (6 – 9)

Aluminium oxide (Al2O3) (1344-28-1)	
pH	9.4 – 10.1

Dipropylene glycol monomethyl ether, mixture of isomers (34590-94-8)	
pH	6 – 7

butan-1-ol; n-butanol (71-36-3)	
pH	7

Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
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)

(7429-90-5)	
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 : Not classified

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-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-48-9)	
STOT-single exposure	May cause drowsiness or dizziness.

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 : Not classified

maleic anhydride (108-31-6)	
NOAEL (oral, rat, 90 days)	≈ 10 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 452 (Chronic Toxicity Studies)
NOAEC (inhalation, rat, vapour, 90 days)	≈ 0.0033 mg/l air Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)
STOT-repeated exposure	Causes damage to organs (respiratory system) through prolonged or repeated exposure (inhalation).

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.

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.

Talc (14807-96-6)	
NOAEL (oral, rat, 90 days)	100 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 452 (Chronic Toxicity Studies)

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)

(7429-90-5)	
LOAEC (inhalation, rat, dust/mist/fume, 90 days)	0.05 mg/l air Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)
NOAEL (subchronic, oral, animal/male, 90 days)	1034 mg/kg bodyweight Animal: dog, Animal sex: male, Guideline: OECD Guideline 409 (Repeated Dose 90-Day Oral Toxicity Study in Non-Rodents)
NOAEL (subchronic, oral, animal/female, 90 days)	1087 mg/kg bodyweight Animal: dog, Animal sex: female, Guideline: OECD Guideline 409 (Repeated Dose 90-Day Oral Toxicity Study in Non-Rodents)

CI Pigment Red 101 (1309-37-1)	
LOAEC (inhalation, rat, dust/mist/fume, 90 days)	0.2102 mg/l air Animal: rat, Animal sex: male, Guideline: OECD Guideline 412 (Subacute Inhalation Toxicity: 28-Day Study)
NOAEL (oral, rat, 90 days)	> 1000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEC (inhalation, rat, dust/mist/fume, 90 days)	≥ 0.03 mg/l air Animal: rat, Animal sex: male

Dipropylene glycol monomethyl ether, mixture of isomers (34590-94-8)	
NOAEL (oral, rat, 90 days)	1000 mg/kg bodyweight Animal: rat, Guideline: other:

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.

Aspiration hazard : Not classified

Nelfamar IJzerglimmerverf	
Viscosity, kinematic	1138.647 – 1540.522 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-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-48-9)	
Viscosity, kinematic	1.02 mm²/s
Human evidence for classification	Yes
Hydrocarbon	Yes
Aliphatic, alicyclic or aromatic hydrocarbon	Yes

Alkydresin	
Viscosity, kinematic	2036 (2036 – 3499) mm²/s calculated

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-48-9)	
Viscosity, kinematic	1.3 (1.3 – 2.5) mm²/s

butan-1-ol; n-butanol (71-36-3)	
Viscosity, kinematic	3.7 mm²/s calculated

Naphtha (petroleum), hydrotreated heavy, Low boiling point hydrogen treated naphtha (64742-48-9)	
Viscosity, kinematic	< 1 mm²/s Temp.: 'other:' Parameter: 'kinematic viscosity (in mm²/s)'

Reaction mass of ethylbenzene and xylene	
Viscosity, kinematic	< 0.9 mm²/s

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : 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.

maleic anhydride (108-31-6)	
LC50 - Fish [1]	75 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
LC50 - Fish [2]	75 mg/l Test organisms (species): Lepomis macrochirus
EC50 - Crustacea [1]	330 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	> 150 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)

2,2'-iminodiethylamine; diethylenetriamine (111-40-0)	
LC50 - Fish [1]	0.43 g/l Test organisms (species): Poecilia reticulata
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'

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'

Talc (14807-96-6)	
LC50 - Fish [1]	89581.02 mg/l Test organisms (species): other:
LC50 - Fish [2]	110000 mg/l Test organisms (species): other:
EC50 96h - Algae [1]	7202.7 mg/l Test organisms (species): other:
NOEC (chronic)	1459.798 mg/l Test organisms (species): other: Duration: '30 d'

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)

Amorphous silicon dioxide (7631-86-9)	
LC50 - Fish [1]	10000 (≥ 10000) mg/l
EC50 - Crustacea [1]	1000 (≥ 1000) mg/l

(7429-90-5)	
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)

CI Pigment Red 101 (1309-37-1)	
EC50 - Crustacea [1]	> 100 mg/l Test organisms (species): Daphnia magna
EC50 - Other aquatic organisms [1]	> 100 mg/l Test organisms (species):
EC50 72h - Algae [1]	> 20 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)

Dipropylene glycol monomethyl ether, mixture of isomers (34590-94-8)	
LC50 - Fish [1]	10000 (≥ 10000) mg/l
EC50 - Crustacea [1]	100 (≥ 100) mg/l
EC50 - Other aquatic organisms [1]	1930 mg/l Test organisms (species): other aquatic crustacea:
EC50 72h - Algae [1]	> 969 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
EC50 96h - Algae [1]	> 969 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
LOEC (chronic)	0.5 mg/l Test organisms (species): Daphnia magna Duration: '22 d'
NOEC (chronic)	≥ 0.5 mg/l Test organisms (species): Daphnia magna Duration: '22 d'

butan-1-ol; n-butanol (71-36-3)	
LC50 - Fish [1]	1910 (100 – 2300) mg/l

2-methylpentane-2,4-diol (107-41-5)	
LC50 - Fish [1]	10000 (≥ 12800) mg/l
EC50 - Other aquatic organisms [1]	3250 (2800 – 7050) mg/l

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 IJzerglimmerverf	
Persistence and degradability	Rapidly degradable

maleic anhydride (108-31-6)	
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
toluene (108-88-3)	
Persistence and degradability	Rapidly degradable
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-48-9)	
Persistence and degradability	Rapidly degradable
Alkydresin	
Persistence and degradability	Rapidly degradable
Talc (14807-96-6)	
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
(7429-90-5)	
Persistence and degradability	Rapidly degradable
Quartz, inhalable fraction (14808-60-7)	
Persistence and degradability	Rapidly degradable
CI Pigment Red 101 (1309-37-1)	
Persistence and degradability	Rapidly degradable
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-48-9)	
Persistence and degradability	Rapidly degradable
Dipropylene glycol monomethyl ether, mixture of isomers (34590-94-8)	
Persistence and degradability	Rapidly degradable
butan-1-ol; n-butanol (71-36-3)	
Persistence and degradability	Rapidly degradable
Naphtha (petroleum), hydrotreated heavy, Low boiling point hydrogen treated naphtha (64742-48-9)	
Persistence and degradability	Rapidly degradable
2-methylpentane-2,4-diol (107-41-5)	
Persistence and degradability	Rapidly degradable
Reaction mass of ethylbenzene and xylene	
Persistence and degradability	Rapidly degradable

12.3. Bioaccumulative potential

toluene (108-88-3)	
Partition coefficient n-octanol/water (Log Pow)	2.73

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-48-9)	
Partition coefficient n-octanol/water (Log Pow)	> 4

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-48-9)	
Partition coefficient n-octanol/water (Log Pow)	> 4

Dipropylene glycol monomethyl ether, mixture of isomers (34590-94-8)	
Partition coefficient n-octanol/water (Log Pow)	0.006

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

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

Nelfamar IJzerglimmerverf
PBT: not yet assessed
vPvB: not yet assessed

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

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

Nelfamar IJzerglimmerverf	
Other information	Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Additional information : Flammable vapours may accumulate in the container.
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

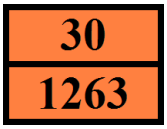
ADR	RID
14.1. UN number or ID number	
UN 1263	UN 1263
14.2. UN proper shipping name	
PAINT	PAINT
Transport document description	
UN 1263 PAINT, 3, III, (D/E)	UN 1263 PAINT, 3, III
14.3. Transport hazard class(es)	
3	3
	
14.4. Packing group	
III	III
14.5. Environmental hazards	
Dangerous for the environment: 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, R001
Special packing provisions (RID)	:	PP1
Mixed packing provisions (RID)	:	MP19
Transport category (RID)	:	3
Colis express (express parcels) (RID)	:	CE4
Hazard identification number (RID)	:	33

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

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)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

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 substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals): Naphtha (petroleum), hydrotreated heavy (64742-48-9), Naphtha (petroleum), hydrotreated heavy (64742-48-9), Naphtha (petroleum), hydrotreated heavy (64742-48-9)

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), Aluminium powder (7429-90-5).

VOC Directive (2004/42)

VOC content	:	350 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	:	350.00 g/l VOC

Explosives Precursors Regulation (EU 2019/1148)

Contains 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

Netherlands

ABM category	:	Z(2) - biodegradable substances with hazardous properties for humans and the environment (carcinogenicity/ mutagenicity/reprotoxicity/bioacumulative potential or toxicity)
SZW-lijst van kankerverwekkende stoffen	:	Naphtha (petroleum), hydrotreated heavy, Low boiling point hydrogen treated naphtha,Quartz, inhalable fraction are listed
SZW-lijst van mutagene stoffen	:	Naphtha (petroleum), hydrotreated heavy, Low boiling point hydrogen treated naphtha is listed
SZW-lijst van reprotoxische stoffen – Borstvoeding	:	None of the components are listed
SZW-lijst van reprotoxische stoffen – Vruchtbaarheid	:	None of the components are listed
SZW-lijst van reprotoxische stoffen – Ontwikkeling	:	toluene is listed

15.2. Chemical safety assessment

No chemical safety assessment has been carried out
A 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**
	Flammability (solid, gas)	**Added**
2.1	Classification according to Regulation (EC) No. 1272/2008 [CLP]	**Modified**
2.1	Adverse physicochemical, human health and environmental effects	**Added**
2.2	Precautionary statements (CLP)	**Modified**
2.2	EUH-statements	**Modified**
2.2	Hazard statements (CLP)	**Modified**
3	Composition/information on ingredients	**Modified**
5.1	Suitable extinguishing media	**Modified**
6.3	Methods for cleaning up	**Modified**
9.1	Boiling point	**Modified**
9.1	Melting point	**Added**
12.1	Ecology - general	**Modified**
15.2	Chemical safety assessment	**Modified**
16	Abbreviations and acronyms	**Modified**

Abbreviations and acronyms:

CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

Abbreviations and acronyms:	
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstracts Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disruptor

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.

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
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 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
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
Flam. Sol. 1	Flammable solids, Category 1
Repr. 2	Reproductive toxicity, Category 2
Resp. Sens. 1	Respiratory sensitisation, Category 1
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
Water-react. 2	Substances and Mixtures which, in contact with water, emit flammable gases, Category 2
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H228	Flammable solid.
H261	In contact with water releases flammable gases.
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.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.

Full text of H- and EUH-statements:	
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.
H412	Harmful to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.
EUH071	Corrosive to the respiratory tract.
EUH208	Contains maleic anhydride(108-31-6), Fatty acids, tall-oil, esters with polyethylene glycol mono(hydrogen maleate), compounds with amides from diethylenetriamine and tall-oil fatty acids(222716-38-3). May produce an allergic reaction.
EUH211	Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

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
Aquatic Chronic 3	H412	Calculation method

Safety Data Sheet applicable for regions : NL - Netherlands

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.