PU-TOPCOAT NO SCRATCH 03

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Issue date: 17/03/2025 Revision date: 19/03/2025 Supersedes version of: 17/03/2025 Version: 2.0

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

1.1. Product identifier

Product form : Mixture

Trade name : PU-TOPCOAT NO SCRATCH 03

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

1.2.1. Relevant identified uses

Main use category : Professional use

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Sidec
Industrieweg 10
2490 Balen - BELGIE
T +32 14 81 50 01
safety@sidec.be - www.sidec.eu

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number
Belgium	Centre Anti-Poisons/Antigifcentrum , c/o Hôpital Central de la Base - Reine Astrid	Rue Bruyn 1 1120 Brussels	+32 70 245 245

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Acute Tox. 4 (Inhalation:dust,mist)	H332
Resp. Sens. 1	H334
Skin Sens. 1	H317
STOT SE 3	H335
Aquatic Chronic 3	H412

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

2.2. Label elements

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

Hazard pictograms (CLP) :

GHS07 GHS08

Signal word (CLP) : Danger

Hazardous ingredients : Hexamethylene diisocyanate, oligomers; Hexamethylene-1,6-diisocyanate; Alfa-3-(2h-benzotriazool-2-yl)-5-tert-butyl-4-hydroxyfenyl-propionyl-omega-3-(3-(2h-benzotriazool-2-yl)-5-tert-butyl-4-hydroxyfenyl)propionyloxypoly(oxyethyleen); p-toluenesulphonyl isocyanate; Methanol

Hazard statements (CLP) : H317 - May cause an allergic skin reaction.
H332 - Harmful if inhaled.
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335 - May cause respiratory irritation.
H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (CLP) : P261 - Avoid breathing vapours, mist, spray.
P271 - Use only outdoors or in a well-ventilated area.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.

Extra phrases : As from 24 August 2023 adequate training is required before industrial or professional use

Labelling according to Directive 67/548/EEC or 1999/45/EC

2.3. Other hazards

Adverse physicochemical, human health and environmental effects : Toxic if inhaled. May cause respiratory irritation. May cause an allergic skin reaction.

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

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hexamethylene diisocyanate, oligomers	(CAS-No.) 28182-81-2 (EC-No.) 931-274-8 (REACH-no) 01-2119485796-17	70 – 80	Acute Tox. 4 (Inhalation), H332 Skin Sens. 1, H317 STOT SE 3, H335
Alfa-3-(2h-benzotriazool-2-yl)-5-tert-butyl-4-hydroxyfenyl-propionyl-omega-3-(3-(2h-benzotriazool-2-yl)-5- tert-butyl-4-hydroxyfenyl)propionyloxypoly(oxyethyleen)	(EC-No.) 400-830-7 (EC Index-No.) 607-176-00-3 (REACH-no) 01- 0000015075-76	1 – 5	Skin Sens. 1, H317 Aquatic Chronic 2, H411
p-toluenesulphonyl isocyanate	(CAS-No.) 4083-64-1 (EC-No.) 223-810-8 (EC Index-No.) 615-012-00-7 (REACH-no) 01-2119980050-47	3 – 5	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Resp. Sens. 1, H334 STOT SE 3, H335 Aquatic Chronic 3, H412
Hexamethylene-1,6-diisocyanate	(CAS-No.) 822-06-0 (EC-No.) 212-485-8 (EC Index-No.) 615-011-00-1 (REACH-no) 01-2119457571-37	0 – 0,5	Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Inhalation), H331 Acute Tox. 2 (Inhalation:dust,mist), H330 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Resp. Sens. 1, H334 Skin Sens. 1, H317 STOT SE 3, H335 Aquatic Acute 1, H400
Dibutyltin dilaurate	(CAS-No.) 77-58-7 (EC-No.) 201-039-8 (EC Index-No.) 050-030-00-3 (REACH-no) 01-2119496068-27	0,1 – 0,5	Eye Irrit. 2, H319 Muta. 2, H341 Repr. 1B, H360 STOT RE 1, H372 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Methanol substance with a Community workplace exposure limit	(CAS-No.) 67-56-1 (EC-No.) 200-659-6 (EC Index-No.) 603-001-00-X	0 – 0,3	Flam. Liq. 2, H225 Acute Tox. 3 (Inhalation), H331 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Oral), H301 STOT SE 1, H370

Specific concentration limits:

Name	Product identifier	Specific concentration limits
p-toluenesulphonyl isocyanate	(CAS-No.) 4083-64-1 (EC-No.) 223-810-8 (EC Index-No.) 615-012-00-7 (REACH-no) 01-2119980050-47	(5 ≤ C < 100) Skin Irrit. 2; H315 (5 ≤ C < 100) STOT SE 3; H335 (5 ≤ C < 100) Eye Irrit. 2; H319
Hexamethylene-1,6-diisocyanate	(CAS-No.) 822-06-0 (EC-No.) 212-485-8 (EC Index-No.) 615-011-00-1 (REACH-no) 01-2119457571-37	(0,5 ≤ C < 100) Skin Sens. 1; H317 (0,5 ≤ C < 100) Resp. Sens. 1; H334
Methanol	(CAS-No.) 67-56-1 (EC-No.) 200-659-6 (EC Index-No.) 603-001-00-X	(3 ≤ C < 10) STOT SE 2; H371 (10 ≤ C < 100) STOT SE 1; H370

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 doctor.

First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.

First-aid measures after eye contact : Rinse opened eye for several minutes under running water. Then consult doctor.

First-aid measures after ingestion : Do not induce vomiting. Rinse mouth out with water. Get medical advice/attention.

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

Symptoms/effects after inhalation : May cause respiratory irritation.

Symptoms/effects after skin contact : May cause an allergic skin reaction.

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

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

General measures : Keep public away.

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.

6.1.2. 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 : Mechanically recover the product. Soak up with inert absorbent material (for example sand, sawdust, a universal binder, silica gel). Collect absorbed substance in open drums. Keep in a safe ventilated area for several days. Spill area can be decontaminated with the following recommended decontamination solution:
Decontamination solution 1: 8-10% sodium carbonate and 2% of liquid soap in water
Decontamination solution 2: Liquid/yellow soap (potassium soap with ~15% anionic tenside): 20ml;
Water:700ml; Polyethylenglycol (PEG 400): 350ml.

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 : Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes. Wear personal protective equipment.

Hygiene measures : Contaminated work clothing should not be allowed out of the workplace. 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

Storage conditions : Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Hexamethylene-1,6-diisocyanate (822-06-0)		
Belgium	OEL TWA	0,034 mg/m³ (Hexamethylene diisocyanate; Belgium; Time weighted average 8h)
Belgium	OEL TWA	0,005 ppm (Hexamethylene diisocyanate; Belgium; Time weighted average 8h)
France	VME (OEL TWA)	0,075 mg/m³ (Hexamethylene diisocyanate; France; Time-weighted average 8h; TL: Non-regulatory indicative value)
France	VME (OEL TWA)	0,01 ppm (Hexamethylene diisocyanate; France; Time-weighted average 8h; TL: Non-regulatory indicative value)
France	VLE (OEL C/STEL)	0,15 mg/m³ Hexamethylene diisocyanate; France; Time-weighted average 8h; TL: Non-regulatory indicative value; (5min)
France	VLE (OEL C/STEL)	0,02 ppm Hexamethylene diisocyanate; France; Time-weighted average 8h; TL: Non-regulatory indicative value; (5min)
United Kingdom	WEL TWA (OEL TWA)	0,02 mg/m³ Isocyanates, all (-NCO) except methyl isocyanate; United Kingdom; Time-weighted average 8h; workplace exposure limit (EH40/2005)
United Kingdom	WEL STEL (OEL STEL)	0,07 mg/m³ Isocyanates, all (-NCO) except methyl isocyanate; United Kingdom; Time-weighted average 8h; workplace exposure limit (EH40/2005)
USA - ACGIH	ACGIH OEL TWA	0,005 ppm (Hexamethylene diisocyanate; USA; Time Weighted Average 8h; TLV - Adopted Value)

Dibutyltin dilaurate (77-58-7)		
Belgium	OEL TWA	0,1 mg/m³
Belgium	OEL STEL	0,2 mg/m³
France	VME (OEL TWA)	0,1 mg/m³
France	VLE (OEL C/STEL)	0,2 mg/m³
United Kingdom	WEL TWA (OEL TWA)	0,1 mg/m³
United Kingdom	WEL STEL (OEL STEL)	0,2 mg/m³
USA - ACGIH	ACGIH OEL TWA	0,1 mg/m³
USA - ACGIH	ACGIH OEL STEL	0,2 mg/m³

p-toluenesulphonyl isocyanate (4083-64-1)		
United Kingdom	WEL TWA (OEL TWA)	0,02 mg/m³
United Kingdom	WEL STEL (OEL STEL)	0,07 mg/m³

Methanol (67-56-1)		
EU	IOEL TWA	260 mg/m³
EU	IOEL TWA	200 ppm
Belgium	OEL TWA	266 mg/m³
Belgium	OEL TWA	200 ppm
Belgium	OEL STEL	333 mg/m³
Belgium	OEL STEL	250 ppm
France	VME (OEL TWA)	260 mg/m³
France	VME (OEL TWA)	200 ppm
France	VLE (OEL C/STEL)	1300 mg/m³
France	VLE (OEL C/STEL)	1000 ppm
Netherlands	TGG-8u (OEL TWA)	133 mg/m³
Netherlands	TGG-8u (OEL TWA)	100 ppm
United Kingdom	WEL TWA (OEL TWA)	266 mg/m³
United Kingdom	WEL TWA (OEL TWA)	200 ppm
United Kingdom	WEL STEL (OEL STEL)	333 mg/m³
United Kingdom	WEL STEL (OEL STEL)	250 ppm
USA - ACGIH	ACGIH OEL TWA	200 ppm
USA - ACGIH	ACGIH OEL STEL	250 ppm

8.2. Exposure controls

Appropriate engineering controls	:	Ensure good ventilation of the work station.
Personal protective equipment	:	Safety glasses. Gloves. Protective clothing.
Hand protection	:	fluorinated rubber >0,4 mm. Protecting gloves from butyl rubber >480 min (EN 374) >0,5 mm
Eye protection	:	Safety glasses
Skin and body protection	:	Wear suitable protective clothing
Respiratory protection	:	[In case of inadequate ventilation] wear respiratory protection. Persons suffering from asthma or eczema and persons who have chronic lung diseases, skin or respiratory allergies to isocyanates should not work with the material

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	:	Colourless.
Odour	:	Almost odorless.
Odour threshold	:	No data available
pH	:	No data available
Relative evaporation rate (butylacetate=1)	:	No data available
Melting point	:	Not applicable
Freezing point	:	No data available
Boiling point	:	No data available
Flash point	:	≈ 174 °C
Auto-ignition temperature	:	≈ 430 °C
Decomposition temperature	:	≥ 120 °C
Flammability	:	Not applicable
Vapour pressure	:	< 0,00001 hPa
Relative vapour density at 20°C	:	No data available
Relative density	:	No data available
Density	:	≈ 1,13 g/cm³
Solubility	:	No data available
Partition coefficient n-octanol/water (Log Pow)	:	≈ 6,62
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	≈ 196 mPa·s
Explosive properties	:	No data available
Oxidising properties	:	No data available
Explosive limits	:	No data available

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Container can be pressurised by carbon dioxide due to reaction with humid air and/or water.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

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 toxicological effects

Acute toxicity : Inhalation:dust,mist: Harmful if inhaled.

ATE CLP (dust,mist)	1,862 mg/l/4h

Hexamethylene-1,6-diisocyanate (822-06-0)	
LD50 oral rat	745 mg/kg
LD50 dermal rat	> 7000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24h, Rat, Male / Female, Experimental Value, Dermal, 14 day (s))
LC50 Inhalation - Rat	0,31 mg/l/4h
LC50 Inhalation - Rat [ppm]	45 ppm/4h

Dibutyltin dilaurate (77-58-7)	
LD50 oral rat	2071 mg/kg bodyweight (Equivalent to or corresponding to OECD 401, Rat, Male / Female, Experimental value, Oral, 14 day (s))
LD50 dermal rat	> 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24h, Rat, Male / Female, Experimental Value, Dermal, 14 day (s))
LD50 dermal rabbit	>

p-toluenesulphonyl isocyanate (4083-64-1)	
LD50 oral rat	2330 mg/kg bodyweight (Equivalent to or corresponding to OECD 401, Rat, Male / Female, Read-across, Oral)
LD50 dermal rat	> 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24h, Rat, Male / Female, Read-across, Skin)
LC50 Inhalation - Rat [ppm]	> ppm

Methanol (67-56-1)	
LD50 oral rat	1187 – 2769 mg/kg bodyweight
LC50 Inhalation - Rat	128 mg/l air

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Not classified

Respiratory or skin sensitisation : May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : May cause respiratory irritation.

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

PU-TOPCOAT NO SCRATCH 03	
Viscosity, kinematic	≈ 173,451 mm²/s

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Hexamethylene-1,6-diisocyanate (822-06-0)	
LC50 - Fish [1]	22 mg/l (LC0; Other; 96 h; Brachydanio rerio; Static system)
EC50 - Crustacea [1]	< 0,33 mg/l (EC0; Other; 24h; Daphnia magna; Static system)
LC50 - Fish [2]	31 mg/l (LC100; Other; 96 h; Brachydanio rerio; Static system)

Dibutyltin dilaurate (77-58-7)	
LC50 - Fish [1]	3,1 mg/l
EC50 - Crustacea [1]	< 463 µg/l (OECD 202: Acute Immobilization Study at Daphnia sp., 48 h, Daphnia magna, Static System, Fresh Water, Experimental Value, Movement)
ErC50 algae	> 1 mg/l (OECD 201: Algae: growth inhibition study, 72 h, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, Tin)

p-toluenesulphonyl isocyanate (4083-64-1)	
LC50 - Fish [1]	> 45 mg/l (OECD 203: Fish: acute toxicity study, 96 h, Oncorhynchus mykiss, Semi-static system, Fresh water, Experimental value)
EC50 - Crustacea [1]	> 100 mg/l (OECD 202: Acute Immobilization Study at Daphnia sp., 48 h, Daphnia magna, Static System, Fresh Water, Experimental Value)
ErC50 algae	30 mg/l (OECD 201: Algae: growth inhibition study, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value)

Methanol (67-56-1)	
LC50 - Fish [1]	15400 mg/l
EC50 - Crustacea [1]	18260 mg/l

12.2. Persistence and degradability

Hexamethylene-1,6-diisocyanate (822-06-0)	
Persistence and degradability	Not readily biodegradable.

Dibutyltin dilaurate (77-58-7)	
Persistence and degradability	Not readily biodegradable.

p-toluenesulphonyl isocyanate (4083-64-1)	
Persistence and degradability	Readily biodegradable in water.

Methanol (67-56-1)	
Persistence and degradability	Readily biodegradable in soil. Readily biodegradable in water.
Biochemical oxygen demand (BOD)	0,6 – 1,12 g O_2/g substance
Chemical oxygen demand (COD)	1,42 g O_2/g substance
ThOD	1,5 g O_2/g substance

12.3. Bioaccumulative potential

PU-TOPCOAT NO SCRATCH 03	
Partition coefficient n-octanol/water (Log Pow)	≈ 6,62

Hexamethylene-1,6-diisocyanate (822-06-0)	
BCF - Fish [1]	59,6 (BCFWIN, Pisces, QSAR)
Partition coefficient n-octanol/water (Log Pow)	1,08 (QSAR)
Bioaccumulative potential	Low bioaccumulation potential.

Dibutyltin dilaurate (77-58-7)	
BCF - Fish [1]	31 – 813 (Calculated value)
Partition coefficient n-octanol/water (Log Pow)	4,44 (Practical experience / observation, OECD 107: Partition coefficient (n-octanol / water): Shake bottle method, 20.8 ° C)
Bioaccumulative potential	Bioaccumulative potential.

p-toluenesulphonyl isocyanate (4083-64-1)	
Bioaccumulative potential	Slightly bioaccumulative.

Methanol (67-56-1)	
BCF - Fish [1]	1 – 4,5
Partition coefficient n-octanol/water (Log Pow)	-0,77
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).

12.4. Mobility in soil

Hexamethylene-1,6-diisocyanate (822-06-0)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2,78 – 3,68 (log Koc:calculated value)
Ecology - soil	Low mobile.

Dibutyltin dilaurate (77-58-7)	
Ecology - soil	No supplementary information available.

p-toluenesulphonyl isocyanate (4083-64-1)	
Ecology - soil	No supplementary information available.

Methanol (67-56-1)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	-0,89 – -0,21
Ecology - soil	Highly mobile in soil.

12.5. Results of PBT and vPvB assessment

Component	
Hexamethylene-1,6-diisocyanate (822-06-0)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Dibutyltin dilaurate (77-58-7)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
p-toluenesulphonyl isocyanate (4083-64-1)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Methanol (67-56-1)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations : Remove to authorized disposal company. Dispose of contaminated packaging as unused product.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable
Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable
Packing group (IMDG) : Not applicable
Packing group (IATA) : Not applicable
Packing group (ADN) : Not applicable
Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No
Marine pollutant : No
Other information : No supplementary information available

14.6. Special precautions for user

Special transport precautions : Heat sensitive from +50 °C, Keep away from food and drink

- Overland transport

No data available

- Transport by sea

No data available

- Air transport

No data available

- Inland waterway transport

Carriage prohibited (ADN) : No

Not subject to ADN : No

- Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

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

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

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

15.1.2. National regulations

Germany

Regulatory reference : WGK 3, Highly hazardous to water (Classification according to AwSV, Annex 1)

Hazardous Incident Ordinance (12. BImSchV) : Is not subject to the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

SZW list of carcinogenic substances : None of the components are listed

SZW list of mutagenic substances : None of the components are listed

SZW list of reprotoxic substances - Breastfeeding : None of the components are listed

SZW list of reprotoxic substances - Fertility : None of the components are listed

SZW List of reprotoxic substances - Development : None of the components are listed

Denmark

Classification remarks : Emergency management guidelines for the storage of flammable liquids must be followed

Recommendations Danish Regulation : Young people below the age of 18 years are not allowed to use the product

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Full text of H- and EUH-statements:

Acute Tox. 2 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 2
Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 3 (Inhalation)	Acute toxicity (inhal.), Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) 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 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
H225	Highly flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H341	Suspected of causing genetic defects.
H360	May damage fertility or the unborn child.
H370	Causes damage to organs.
H371	May cause damage to organs.
H372	Causes 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.
Muta. 2	Germ cell mutagenicity, Category 2
Repr. 1B	Reproductive toxicity, Category 1B
Resp. Sens. 1	Respiratory sensitisation, Category 1
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT RE 1	Specific target organ toxicity – Repeated exposure, Category 1
STOT SE 1	Specific target organ toxicity – single exposure, Category 1
STOT SE 2	Specific target organ toxicity – Single exposure, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation

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.