



PR2000-ISO- SH000200

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Date of issue: 29/02/2016

Revision date: 29/02/2016

Supersedes: 04/06/2015

Version: 4.00

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

1.1. Product identifier

Product form : Mixture
Product name : PR2000-ISO- SH000200
Product code : SH000200
Product group : Trade product

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

1.2.1. Relevant identified uses

Main use category : For professional use only
Industrial/Professional use spec : Industrial
Use of the substance/mixture : Polyurethane resin

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

SYNTHENE
Ferme de l'Evêché CS20308
60723 Pont Sainte Maxence Cedex - FRANCE
T 33 344 31 72 00 - F 33 157 67 44 58
qual@synthene.com - www.synthene.com

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Centre Hospitalier Universitaire de Constantine	Avonley Road SE14 5ER London	0870 243 2241	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Acute toxicity (inhalation:dust,mist) Category 4	H332	Conversion selon l'Annexe VII
Skin corrosion/irritation, Category 2	H315	Méthode de calcul
Serious eye damage/eye irritation, Category 2	H319	Méthode de calcul
Sensitisation — Respiratory, category 1	H334	Méthode de calcul
Sensitisation — Skin, category 1	H317	Méthode de calcul
Carcinogenicity, Category 2	H351	Méthode de calcul
Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation	H335	Méthode de calcul
Specific target organ toxicity — Repeated exposure, Category 2	H373	Méthode de calcul

Full text of H statements : see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Carc.Cat.3; R40
Xn; R20
Xn; R48/20
R42
Xi; R36/37/38
R43

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

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2.2. Label elements

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

Hazard pictograms (CLP)



Signal word (CLP)

: Danger

Hazardous ingredients

: 4,4'-Methylenediphenyl diisocyanate, oligomers; 4,4'-methylenediphenyl diisocyanate, diphenylmethane-4,4'-diisocyanate

Hazard statements (CLP)

: H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
H332 - Harmful if inhaled
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335 - May cause respiratory irritation
H351 - Suspected of causing cancer
H373 - May cause damage to organs through prolonged or repeated exposure

Precautionary statements (CLP)

: P260 - Do not breathe vapours, spray
P280 - Wear protective gloves, eye protection, face protection, protective clothing
P302+P352 - IF ON SKIN: Wash with plenty of water, soap
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P308+P313 - IF exposed or concerned: Get medical advice/attention

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification according to Directive 67/548/EEC	Classification according to Regulation (EC) No. 1272/2008 [CLP]
4,4'-Methylenediphenyl diisocyanate, oligomers	(CAS No) 25686-28-6 (EC no) 500-040-3 (REACH-no) 01-2119457013-49	25 - 50	Carc.Cat.3; R40 Xn; R20 Xn; R48/20 R42 Xi; R36/37/38 R43	Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Resp. Sens. 1, H334 Skin Sens. 1, H317 Carc. 2, H351 STOT SE 3, H335 STOT RE 2, H373
4,4'-methylenediphenyl diisocyanate, diphenylmethane-4,4'-diisocyanate (Note C)(Note 2)	(CAS No) 101-68-8 (EC no) 202-966-0 (EC index no) 615-005-00-9	25 - 50	Carc.Cat.3; R40 Xn; R20 Xn; R48/20 Xi; R36/37/38 R42 R43	Carc. 2, H351 Acute Tox. 4 (Inhalation), H332 STOT RE 2, H373 Eye Irrit. 2, H319 STOT SE 3, H335 Skin Irrit. 2, H315 Resp. Sens. 1, H334 Skin Sens. 1, H317
Xylene substance with a Community workplace exposure limit	(CAS No) 1330-20-7 (EC no) 215-535-7 (EC index no) 601-022-00-9 (REACH-no) 01-2119488216-32	0,1 - 0,5	Xn; R20/21 Xi; R38 R10	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Asp. Tox. 1, H304 Eye Irrit. 2, H319 STOT SE 3, H335 STOT RE 2, H373
Ethylbenzene substance with a Community workplace exposure limit	(CAS No) 100-41-4 (EC no) 202-849-4 (EC index no) 601-023-00-4 (REACH-no) 01-2119489370-35	< 0,1	F; R11 Xn; R20	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation), H332 Asp. Tox. 1, H304 Eye Irrit. 2, H319 Skin Irrit. 2, H315 STOT SE 3, H335 STOT RE 2, H373

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Name	Product identifier	%	Classification according to Directive 67/548/EEC	Classification according to Regulation (EC) No. 1272/2008 [CLP]
2-methoxy-1-methylethyl acetate substance with a Community workplace exposure limit	(CAS No) 108-65-6 (EC no) 203-603-9 (EC index no) 607-195-00-7 (REACH-no) 01-2119475791-29	< 0,1	R10	Flam. Liq. 3, H226
Toluene 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	< 0,1	Repr.Cat.3; R63 F; R11 Xn; R65 Xn; R48/20 Xi; R38 R67	Flam. Liq. 2, H225 Repr. 2, H361d Asp. Tox. 1, H304 STOT RE 2, H373 Skin Irrit. 2, H315 STOT SE 3, H336

Specific concentration limits:

Name	Product identifier	Specific concentration limits: DSD/DPD	Specific concentration limits: CLP
4,4'-methylenediphenyl diisocyanate, diphenylmethane-4,4'-diisocyanate	(CAS No) 101-68-8 (EC no) 202-966-0 (EC index no) 615-005-00-9	(C >= 0,1) R42 (C >= 5) Xi; R36/37/38	(C >= 1) Resp. Sens. 1, H334 (C >= 5) Eye Irrit. 2, H319 (C >= 5) STOT SE 3, H335 (C >= 5) Skin Irrit. 2, H315
Xylene	(CAS No) 1330-20-7 (EC no) 215-535-7 (EC index no) 601-022-00-9 (REACH-no) 01-2119488216-32	(C >= 12,5) Xn; R20/21	

Note 2 : La concentration d'isocyanates donnée est le pourcentage en poids du monomère libre, calculé par rapport au poids total du mélange.

Note C : Certaines substances organiques peuvent être commercialisées soit sous une forme isomérique bien définie, soit sous forme de mélange de plusieurs isomères. Dans ces cas-là, le fournisseur doit préciser sur l'étiquette si la substance est un isomère spécifique ou un mélange d'isomères.

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

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Move to fresh air in case of accidental inhalation of vapours or decomposition products. Allow breathing of fresh air. Get immediate medical advice/attention.
First-aid measures after skin contact	: Remove/Take off immediately all contaminated clothing. Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. Contact ophthalmologist immediately.
First-aid measures after ingestion	: Do not give anything to drink. Do not induce vomiting. If swallowed, seek medical advice immediately and show this container or label.

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

Symptoms/injuries after inhalation	: Toxic if inhaled. May cause respiratory irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Symptoms/injuries after skin contact	: Irritating to skin. May cause an allergic skin reaction. May cause sensitisation by skin contact.
Symptoms/injuries after eye contact	: Causes serious eye irritation.

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Carbon dioxide. Dry powder.
Unsuitable extinguishing media	: Do not use extinguishing media containing water.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: In case of fire and/or explosion do not breathe fumes. Isocyanates. Nitrogen oxides. Risk of decomposition. Carbon oxides (CO, CO2).
Hazardous decomposition products in case of fire	: Isocyanates. Nitrogen oxides. Carbon oxides (CO, CO2). Hydrogen cyanide. Risk of decomposition.

5.3. Advice for firefighters

Firefighting instructions	: Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Provide local exhaust or general room ventilation.

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate area.

6.1.2. For emergency responders

Protective equipment : Only qualified personnel equipped with suitable protective equipment may intervene. Equip cleanup crew with proper protection. Do not breathe gas, fumes, vapour or spray.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Prevent product from entering drains. Shovel into suitable and closed container for disposal. Do not keep the container sealed. Carbon dioxide (CO₂). Dispose of this material and its container to hazardous or special waste collection point.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Provide good ventilation in process area to prevent formation of vapour. Do not get in eyes, on skin, or on clothing. Use personal protective equipment as required.

Hygiene measures : Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Regular cleaning of equipment, work area and clothing.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Store only in the original container in a cool well-ventilated place away from cellulose.

Storage conditions : Store at temperatures between 5 - 25°C.

Packaging materials : Keep away from food, drink and animal feedingstuffs. The floor of the depot should be impermeable and designed to form a water-tight basin.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

4,4'-Méthylenediphenyl diisocyanate, oligomers (25686-28-6)		
France	VME (mg/m ³)	0,1 mg/m ³ 8 heure(s)
France	VME (ppm)	0,01 ppm 8 heure(s)
France	VLE (mg/m ³)	0,2 mg/m ³ 5 minute(s)
France	VLE (ppm)	0,02 ppm 5 minute(s)
2-methoxy-1-methylethyl acetate (108-65-6)		
EU	Local name	2-Methoxy-1-methylethylacetate
EU	IOELV TWA (mg/m ³)	275 mg/m ³
EU	IOELV TWA (ppm)	50 ppm
EU	IOELV STEL (mg/m ³)	550 mg/m ³
EU	IOELV STEL (ppm)	100 ppm
EU	Notes	Skin
France	Local name	Acétate de 2-méthoxy-1-méthyléthyle
France	VME (mg/m ³)	275 mg/m ³
France	VME (ppm)	50 ppm
France	VLE (mg/m ³)	550 mg/m ³
France	VLE (ppm)	100 ppm
Netherlands	Grenswaarde TGG 8H (mg/m ³)	550 mg/m ³
Xylene (1330-20-7)		
EU	Local name	Xylene, mixed isomers, pure
EU	IOELV TWA (mg/m ³)	221 mg/m ³
EU	IOELV TWA (ppm)	50 ppm
EU	IOELV STEL (mg/m ³)	442 mg/m ³

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Xylene (1330-20-7)		
EU	IOELV STEL (ppm)	100 ppm
EU	Notes	Skin
France	Local name	Xylène, isomères mixtes, purs
France	VME (mg/m³)	221 mg/m³
France	VME (ppm)	50 ppm
France	VLE (mg/m³)	442 mg/m³
France	VLE (ppm)	100 ppm
Netherlands	Grenswaarde TGG 8H (mg/m³)	210 mg/m³
Netherlands	Grenswaarde TGG 15MIN (mg/m³)	442 mg/m³
Ethylbenzene (100-41-4)		
EU	Local name	Ethylbenzene
EU	IOELV TWA (mg/m³)	442 mg/m³
EU	IOELV TWA (ppm)	100 ppm
EU	IOELV STEL (mg/m³)	884 mg/m³
EU	IOELV STEL (ppm)	200 ppm
EU	Notes	Skin
Netherlands	Grenswaarde TGG 8H (mg/m³)	215 mg/m³
Netherlands	Grenswaarde TGG 15MIN (mg/m³)	430 mg/m³
Toluene (108-88-3)		
EU	Local name	Toluène
EU	IOELV TWA (mg/m³)	192 mg/m³
EU	IOELV TWA (ppm)	50 ppm
EU	IOELV STEL (mg/m³)	384 mg/m³
EU	IOELV STEL (ppm)	100 ppm
EU	Notes	Peau
France	Local name	Toluène
France	VME (mg/m³)	192 mg/m³
France	VME (ppm)	50 ppm
France	VLE (mg/m³)	384 mg/m³
France	VLE (ppm)	100 ppm
Netherlands	Grenswaarde TGG 8H (mg/m³)	150 mg/m³
Netherlands	Grenswaarde TGG 15MIN (mg/m³)	384 mg/m³
4,4'-methylenediphenyl diisocyanate, diphenylmethane-4,4'-diisocyanate (101-68-8)		
France	Local name	4,4'-Diisocyanate de diphenylméthane (3)
France	VME (mg/m³)	0,1 mg/m³
France	VME (ppm)	0,01 ppm
France	VLE (mg/m³)	0,2 mg/m³
France	VLE (ppm)	0,02 ppm
Netherlands	Grenswaarde TGG 8H (mg/m³)	0,05 mg/m³
Netherlands	Grenswaarde TGG 15MIN (mg/m³)	0,2 mg/m³

8.2. Exposure controls

Personal protective equipment	: Gloves. Safety glasses. Insufficient ventilation: wear respiratory protection. Protective clothing.
Hand protection	: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wear protective gloves
Eye protection	: Chemical goggles or face shield
Skin and body protection	: Wear suitable protective clothing
Respiratory protection	: In case of insufficient ventilation, wear suitable respiratory equipment



Other information	: Do not eat, drink or smoke during use. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Regular cleaning of equipment, work area and clothing.
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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: yellowish.
Odour	: Solvent.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: > 140 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: 1,15 (25°C)
Solubility	: Insoluble in water.
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: 60 mPa.s
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

The product is stable at normal handling and storage conditions. No decomposition if stored normally.

10.3. Possibility of hazardous reactions

Exothermic reaction on contact with : Strong bases. Alcohol. Amines. Ammonia.

10.4. Conditions to avoid

High temperature. Water, humidity.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Contact with water liberates toxic gas.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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

ATE CLP (dust,mist)	1,500 mg/l/4h
4,4'-Méthylenediphenyl diisocyanate, oligomers (25686-28-6)	
LD50 oral rat	> 5000 ml/kg
LD50 dermal rabbit	> 9400 mg/kg
LC50 inhalation rat (Dust/Mist - mg/l/4h)	0,49 mg/l/4h
2-methoxy-1-methylethyl acetate (108-65-6)	
LD50 oral	8532 mg/kg bodyweight
LD50 dermal	> 5000 mg/kg bodyweight
LC50 inhalation rat (Dust/Mist - mg/l/4h)	> 10800 mg/l/4h

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Xylene (1330-20-7)	
LD50 oral rat	3500 mg/kg
LD50 oral	4300 mg/kg bodyweight
LD50 dermal rat	4350 mg/kg
LD50 dermal	> 5000 mg/kg bodyweight
LC50 inhalation rat (mg/l)	5334 mg/l/4h
LC50 inhalation rat (ppm)	6700 ppm/4h
LC50 inhalation rat (Dust/Mist - mg/l/4h)	> 10000 mg/l/4h
LC50 inhalation rat (Vapours - mg/l/4h)	> 2 mg/l/4h

Ethylbenzene (100-41-4)	
LD50 oral	3500 mg/kg bodyweight
LD50 dermal	15350 mg/kg bodyweight
LC50 inhalation rat (Dust/Mist - mg/l/4h)	17200 mg/l/4h

Toluene (108-88-3)	
LD50 oral rat	5000 mg/kg
LD50 oral	5580 mg/kg bodyweight
LD50 dermal rabbit	12124 mg/kg
LD50 dermal	12124 mg/kg bodyweight
LC50 inhalation rat (Dust/Mist - mg/l/4h)	28100 mg/l/4h
LC50 inhalation rat (Vapours - mg/l/4h)	< 20 mg/l/4h

4,4'-methylenediphenyl diisocyanate, diphenylmethane-4,4'-diisocyanate (101-68-8)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 9400 mg/kg
LC50 inhalation rat (Dust/Mist - mg/l/4h)	0,49 mg/l/4h

Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
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	: Suspected of causing cancer.
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: May cause respiratory irritation.
Specific target organ toxicity (repeated exposure)	: May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	: Not classified

SECTION 12: Ecological information

12.1. Toxicity

4,4'-Methylenediphenyl diisocyanate, oligomers (25686-28-6)	
LC50 fish 1	> 1000 mg/l
EC50 Daphnia 1	> 1000 mg/l
EC50 72h algae (1)	> 1640 mg/l

2-methoxy-1-methylethyl acetate (108-65-6)	
LC50 fish 1	134 mg/l
EC50 other aquatic organisms 1	1000 mg/l EC50 waterflea (48 h)
EC50 other aquatic organisms 2	> 1000 mg/l IC50 alga (72 h) mg/l

Xylene (1330-20-7)	
LC50 fish 1	> 86 mg/l
LC50 other aquatic organisms 1	3,82 mg/l
EC50 Daphnia 1	1 mg/l (48 h)
EC50 other aquatic organisms 1	350 mg/l EC50 waterflea (48 h)
EC50 other aquatic organisms 2	350 mg/l IC50 alga (72 h) mg/l

Ethylbenzene (100-41-4)	
LC50 fish 1	12,1 mg/l
EC50 other aquatic organisms 1	2,2 mg/l EC50 waterflea (48 h)

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Toluene (108-88-3)	
LC50 fish 1	5,5 mg/l
EC50 Daphnia 1	11,5 mg/l
EC50 other aquatic organisms 1	3,78 mg/l EC50 waterflea (48 h)
4,4'-methylenediphenyl diisocyanate, diphenylmethane-4,4'-diisocyanate (101-68-8)	
LC50 fish 1	> 1000 mg/l
EC50 Daphnia 1	> 1000 mg/l
EC50 72h algae (1)	> 1640 mg/l

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

4,4'-Méthylenediphenyl diisocyanate, oligomers (25686-28-6)	
Log Pow	8,56
Bioaccumulative potential	bioaccumulative.
Ethylbenzene (100-41-4)	
Log Pow	3,11 - 3,15
4,4'-methylenediphenyl diisocyanate, diphenylmethane-4,4'-diisocyanate (101-68-8)	
Log Pow	8,56

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials	: Avoid release to the environment. Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

SECTION 14: Transport information

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

14.1. UN number

UN-No. (ADR)	: Not applicable
UN-No. (IMDG)	: Not applicable
UN-No. (IATA)	: Not applicable
UN-No. (ADN)	: Not applicable
UN-No. (RID)	: Not applicable

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
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IMDG

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

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

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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

- Overland transport

Transport regulations (ADR) : Not subject

- Transport by sea

Transport regulations (IMDG) : Not subject

- Air transport

Transport regulations (IATA) : Not subject

- Inland waterway transport

No data available

- Rail transport

No data available

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

Not applicable

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 REACH substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances

15.1.2. National regulations

Germany

VwVwS Annex reference : Water hazard class (WGK) 1, low hazard to waters (Classification according to VwVwS, Annex 4)
12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen : None of the components are listed
SZW-lijst van mutagene stoffen : None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : Xylene, Toluene are listed

Denmark

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

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Recommendations Danish Regulation : Young people below the age of 18 years are not allowed to use the product
Pregnant/breastfeeding women working with the product must not be in direct contact with the product
The requirements from the Danish Working Environment Authorities regarding work with carcinogens must be followed during use and disposal

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Full text of R-, H- and EUH-statements:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Asp. Tox. 1	Aspiration hazard, Category 1
Carc. 2	Carcinogenicity, Category 2
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
Resp. Sens. 1	Sensitisation — Respiratory, category 1
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Sensitisation — Skin, 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
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H225	Highly flammable liquid and vapour
H226	Flammable liquid and vapour
H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H332	Harmful if inhaled
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H351	Suspected of causing cancer
H361d	Suspected of damaging the unborn child
H373	May cause damage to organs through prolonged or repeated exposure
R10	Flammable
R11	Highly flammable
R20	Harmful by inhalation
R20/21	Harmful by inhalation and in contact with skin
R36/37/38	Irritating to eyes, respiratory system and skin
R38	Irritating to skin
R40	Limited evidence of a carcinogenic effect
R42	May cause sensitization by inhalation
R43	May cause sensitisation by skin contact
R48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation
R63	Possible risk of harm to the unborn child
R65	Harmful: may cause lung damage if swallowed
R67	Vapours may cause drowsiness and dizziness
F	Highly flammable
Xi	Irritant
Xn	Harmful

SDS EU (REACH Annex II)

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