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

1.1. Product identifier

Product form : Mixture
Product name : Virocid™
Product code : H16
Product group : Disinfectants

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

1.2.1. Relevant identified uses

Main use category : Industrial use
Use of the substance/mixture : See product bulletin for detailed information

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

CID LINES NV
Waterpoortstraat, 2
B-8900 Ieper - Belgique
T + 32 57 21 78 77 - F +32 57 21 78 79
sds@cidlines.com - http://www.cidlines.com

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number
	www.who.int/ipcs/poisons/centre/directory/en		
Belgium	Centre Anti-Poisons/Antigifcentrum c/o Hôpital Central de la Base - Reine Astrid	Rue Bruyn B -1120 Brussels	+32 70 245 245
Canada	CANUTEC		(613) 996-6666
Estonia	Mürgistusteabekeskus	Gonsiori 29 15027 Tallinn	112 16662
Finland	Poison Information Centre	P.O.B 790 (Tukholmankatu 17) HUS SF - 00029 Helsinki	+358 9 471 977
Greece	Poisons Information Centre Children's Hospital "Aglaia. Kyriakou"	11527 Athens	+30 10 779 3777
Iceland	Eitrunarmiðstöð Landspítali	Fossvogi 108 Reykjavik	+354 543 22 22
Netherlands	Nationaal Vergiftigingen Informatie Centrum Uitsluitend bestemd om artsen te informeren bij accidentele vergiftigingen	Huispostnummer B.00.118, PO Box 85500 3508 GA Utrecht	+31 30 274 88 88
Switzerland	Centre Suisse d'Information Toxicologique Swiss Toxicological Information Centre, Schweizerisches Toxicologisches Informationszentrum STIZ	Freiestrasse 16 Postfach CH-8032 Zurich	+41 44 251 51 51 (International) 145 (National)
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Centre Hospitalier Universitaire de Constantine	Avonley Road SE14 5ER London	0870 243 2241
USA	American Association of Poison Control Centers		1-800-222-1222

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Flam. Liq. 3	H226
Acute Tox. 4 (Oral)	H302
Acute Tox. 4 (Dermal)	H312
Acute Tox. 4 (Inhalation)	H332
Skin Corr. 1B	H314
Resp. Sens. 1	H334
Skin Sens. 1	H317
Aquatic Acute 1	H400
Aquatic Chronic 2	H411

Full text of classification categories and H statements : see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

Hazard pictograms (CLP) :

GHS02 GHS05 GHS07 GHS08 GHS09

Signal word (CLP) : Danger

Hazard statements (CLP) : H226 - Flammable liquid and vapour
H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled
H314 - Causes severe skin burns and eye damage
H317 - May cause an allergic skin reaction
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
H400 - Very toxic to aquatic life
H411 - Toxic to aquatic life with long lasting effects

Precautionary statements (CLP) : P280 - Wear protective gloves, Eye protection
P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking
P304+P340 - IF INHALED: remove victim to fresh air and keep at rest in a position 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
P302+P352 - IF ON SKIN: Wash with plenty of soap and water
P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting
P273 - Avoid release to the environment

EUH phrases : EUH071 - Corrosive to the respiratory tract

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	% w/w	Classification according to Directive 67/548/EEC
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	(CAS No) 68424-85-1 (EC no) 270-325-2 (REACH-no) 01-2119945987-15	15 - 30	Xn; R21/22 C; R34 N; R50
Didecyldimethylammonium chloride	(CAS No) 7173-51-5 (EC no) 230-525-2 (EC index no) 612-131-00-6 (REACH-no) 01-2119945987-15	5 - 15	Xn; R22 C; R34 N; R50
Glutaraldehyde	(CAS No) 111-30-8 (EC no) 203-856-5 (EC index no) 605-022-00-X (REACH-no) 01-2119455549-26	5 - 15	T; R23/25 R42 C; R34 R43 N; R50 R7
Propan-2-ol	(CAS No) 67-63-0 (EC no) 603-117-00-0 (EC index no) 200-661-7 (REACH-no) 01-2119457558-25	5 - 15	F; R11 Xi; R36 R67

Name	Product identifier	% w/w	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	(CAS No) 68424-85-1 (EC no) 270-325-2 (REACH-no) 01-2119945987-15	15 - 30	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Didecyldimethylammonium chloride	(CAS No) 7173-51-5 (EC no) 230-525-2 (EC index no) 612-131-00-6 (REACH-no) 01-2119945987-15	5 - 15	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Aquatic Acute 1, H400

Name	Product identifier	% w/w	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Glutaraldehyde	(CAS No) 111-30-8 (EC no) 203-856-5 (EC index no) 605-022-00-X (REACH-no) 01-2119455549-26	5 - 15	Met. Corr. 1, H290 Acute Tox. 3 (Oral), H301 Acute Tox. 2 (Inhalation), H330 Acute Tox. 3 (Inhalation), H331 Skin Corr. 1B, H314 Resp. Sens. 1, H334 Skin Sens. 1A, H317 STOT SE 3, H335 Aquatic Chronic 1, H410
Propan-2-ol	(CAS No) 67-63-0 (EC no) 603-117-00-0 (EC index no) 200-661-7 (REACH-no) 01-2119457558-25	5 - 15	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336

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

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Assure fresh air breathing. Obtain medical attention if breathing difficulty persists.

First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Seek medical attention if irritation develops.

First-aid measures after eye contact : Rinse immediately with plenty of water. Contact ophthalmologist immediately.

First-aid measures after ingestion : Rinse mouth. Do not induce vomiting because of corrosive effects. Call a physician immediately.

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

Symptoms/injuries after inhalation : Breathing difficulties.Cough.Sore throat.

Symptoms/injuries after skin contact : May cause an allergic skin reaction. Harmful in contact with skin. Redness, pain.Causes burns. Causes burns.

Symptoms/injuries after eye contact : Serious damage to eyes. Redness, pain.Blurred vision.Tears.

Symptoms/injuries after ingestion : Gastrointestinal complaints. Abdominal pain. Cough. Burning sensation.

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 : All extinguishing media can be used.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Not combustible.

Reactivity : None under normal conditions.

5.3. Advice for firefighters

Precautionary measures fire : Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Use water spray or fog for cooling exposed containers.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Equip cleanup crew with proper protection. Respiratory protection equipment may be necessary.

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Clean up any spills as soon as possible, using an absorbent material to collect it. Dilute residues and flush. Recover the cleaning water for later diposal.

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 : Where contact with eyes or skin is likely, wear suitable protection. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. Handle in accordance with good industrial hygiene and safety procedures.

Hygiene measures : Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. Keep away from food, drink and animal feeding stuffs. Do no eat, drink or smoke when using this product. Avoid all unnecessary exposure. Always wash hands after handling the product. Separate working clothes from town clothes. Launder separately.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in dry, cool, well-ventilated area. Protect from freezing. Keep at temperature not exceeding 50 °C.

Storage area : Keep only in the original container in a cool, well-ventilated place. Store away from heat. Store in dry, cool, well-ventilated area. Protect from freezing.

Special rules on packaging : Keep only in original container.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Glutaraldehyde (111-30-8)		
EU	IOELV TWA (mg/m³)	20 mg/m³
EU	IOELV TWA (ppm)	0,2 ppm
Belgium	Short time value (mg/m³)	0,21 mg/m³
Belgium	Short time value (ppm)	0,05 ppm
Belgium	Remark (BE)	M
Germany	TRGS 900 Occupational exposure limit value (mg/m³)	0,2 mg/m³
Germany	TRGS 900 Occupational exposure limit value (ppm)	0,05 ppm
Germany	Remark (TRGS 900)	AGS,Sah,Y
United Kingdom	WEL TWA (mg/m³)	0,2 mg/m³
United Kingdom	WEL TWA (ppm)	0,05 ppm
United Kingdom	WEL STEL (mg/m³)	0,2 mg/m³
United Kingdom	WEL STEL (ppm)	0,05 ppm
United Kingdom	Remark (WEL)	Sen (Capable of causing occupational asthma. See paragraphs 53–56)

Propan-2-ol (67-63-0)		
EU	IOELV TWA (mg/m³)	983 mg/m³
EU	IOELV TWA (ppm)	400 ppm

Didecyldimethylammonium chloride (7173-51-5)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	8,6 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	18,2 mg/m³
PNEC (Water)	
PNEC aqua (freshwater)	0,002 mg/l Assessment factor: 10
PNEC aqua (marine water)	0,0002 mg/l Assessment factor: 100
PNEC aqua (intermittent, freshwater)	0,00029 mg/l Assessment factor: 100
PNEC (Sediment)	
PNEC sediment (freshwater)	2,82 mg/kg dwt Assessment factor: 1
PNEC sediment (marine water)	0,28 mg/kg dwt Assessment factor: 10
PNEC (Soil)	
PNEC soil	1,4 mg/kg dwt Assessment factor: 50
PNEC (STP)	
PNEC sewage treatment plant	0,595 mg/l Assessment factor: 10

Glutaraldehyde (111-30-8)	
DNEL/DMEL (Workers)	
Acute - local effects, inhalation	0,5 mg/m³
Long-term - local effects, inhalation	0,25 mg/m³
PNEC (Water)	
PNEC aqua (freshwater)	0,0025 mg/l Assessment factor: 10
PNEC aqua (marine water)	0,00025 mg/l Assessment factor: 100
PNEC aqua (intermittent, freshwater)	0,006 mg/l Assessment factor: 100

Glutaraldehyde (111-30-8)	
PNEC (Sediment)	
PNEC sediment (freshwater)	0,527 mg/kg dwt
PNEC sediment (marine water)	0,0527 mg/kg dwt
PNEC (Soil)	
PNEC soil	0,03 mg/kg dwt Assessment factor: 50
PNEC (STP)	
PNEC sewage treatment plant	0,8 mg/l Assessment factor: 100

Propan-2-ol (67-63-0)	
PNEC (Water)	
PNEC aqua (freshwater)	140,9 mg/l (Assessment factor: 1)
PNEC aqua (marine water)	140,9 mg/l (Assessment factor: 1)
PNEC aqua (intermittent, freshwater)	140,9 mg/l (Assessment factor: 1)
PNEC (Sediment)	
PNEC sediment (freshwater)	552 mg/kg dwt
PNEC sediment (marine water)	552 mg/kg dwt
PNEC (Soil)	
PNEC soil	28 mg/kg dwt
PNEC (Oral)	
PNEC oral (secondary poisoning)	0,00016 kg/kg food (Assessment factor: 30)
PNEC (STP)	
PNEC sewage treatment plant	2251 mg/l (Assessment factor: 1)

8.2. Exposure controls

Appropriate engineering controls : Provide local exhaust or general room ventilation.

Hand protection : Gloves. chemical resistant PVC gloves (to European standard EN 374 or equivalent)

Eye protection : Eye protection should only be necessary where liquid could be splashed or sprayed. Use eye protection to EN 166, designed to protect against liquid splashes

Skin and body protection : Protective clothing compliant with EN 943 part 2. If skin contact or contamination of clothing is likely, protective clothing should be worn

Respiratory protection : Approved dust or mist respirator should be used if airborne particles are generated when handling this material. Full-/half-/quarter-face masks (DIN EN 136/140)

Other information : When using, do not eat, drink or smoke. Provide local exhaust or general room ventilation to minimize dust and/or vapour concentrations.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Colour : Clear. Brown.
Odour : Aldehyde.
Odour threshold : No data available
pH : ca 4
Relative evaporation rate (butyl acetate=1) : No data available
Melting point : No data available
Freezing point : -13,5 °C
Boiling point : 93 °C
Flash point : 60 °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 : No data available
Density : ca 1,015 kg/l

Solubility	:	Complete.
Log Pow	:	No data available
Log Kow	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available
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

None under normal conditions.

10.2. Chemical stability

No additional information available

10.3. Possibility of hazardous reactions

Avoid contact with :Strong acids.Strong oxidizing agents. None under normal conditions.

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

No additional information available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Corrosive to eyes and skin

Virocid™	
LD50 oral rat	ca 1070 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
ATE CLP (oral)	500,000 mg/kg bodyweight
ATE CLP (dermal)	1100,000 mg/kg bodyweight
ATE CLP (gases)	4500,000 ppmv/4h
ATE CLP (vapours)	11,000 mg/l/4h
ATE CLP (dust,mist)	1,500 mg/l/4h

Glutaraldehyde (111-30-8)	
ATE CLP (oral)	100,000 mg/kg bodyweight
ATE CLP (gases)	100,000 ppmv/4h
ATE CLP (vapours)	0,500 mg/l/4h
ATE CLP (dust,mist)	0,050 mg/l/4h

Propan-2-ol (67-63-0)	
LD50 oral rat	4700 - 5500 mg/kg
LC50 inhalation rat (mg/l)	46 - 73 mg/l/4h

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides (68424-85-1)	
ATE CLP (oral)	500,000 mg/kg bodyweight

Skin corrosion/irritation	:	Causes severe skin burns and eye damage. pH: ca 4
Serious eye damage/irritation	:	Serious eye damage, category 1, implicit Corrosive to eyes pH: ca 4
Respiratory or skin sensitisation	:	May cause sensitization by inhalation and skin contact
Germ cell mutagenicity	:	No data available
Carcinogenicity	:	No data available
Reproductive toxicity	:	No data available
Specific target organ toxicity (single exposure)	:	Data not validated

Specific target organ toxicity (repeated exposure) : No data available

Aspiration hazard : No data available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Virocid™	
LC50 fishes 1	1 - 10 mg/l 96h
EC50 Daphnia 1	1 - 10 mg/l 48h

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides (68424-85-1)	
LC50 other aquatic organisms 1	0,03 mg/l Algae

12.2. Persistence and degradability

Virocid™	
Persistence and degradability	Readily biodegradable. >60% BOD, 28 days, Closed Bottle Test (OECD). The surfactant(s) contained in this preparation complies with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them at their direct request or at the request of a detergent-manufacturer.

Propan-2-ol (67-63-0)	
Biodegradation	95 %

12.3. Bioaccumulative potential

No additional information available

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

Other adverse effects : This product contains hazardous components for the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Dispose of this material and its container at hazardous or special waste collection point. Hazardous waste due to toxicity. Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations.

Waste treatment methods : Dispose of this material and its container to hazardous or special waste collection point.

Waste disposal recommendations : When totally empty, containers are recyclable like any other packing. Dispose in a safe manner in accordance with local/national regulations. Avoid release to the environment.

Ecology - waste materials : Avoid release to the environment. Hazardous waste due to toxicity.

SECTION 14: Transport information

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

14.1. UN number

UN-No. (ADR) : 1760

UN-No. (IMDG) : 1760

UN-No.(IATA) : 1760

UN-No.(ADN) : 1760

UN-No. (RID) : 1760

14.2. UN proper shipping name

Proper Shipping Name (ADR) : CORROSIVE LIQUID, N.O.S.

Proper Shipping Name (IMDG) : CORROSIVE LIQUID, N.O.S.

Proper Shipping Name (IATA) : CORROSIVE LIQUID, N.O.S.

Proper Shipping Name (ADN) : CORROSIVE LIQUID, N.O.S.

Proper Shipping Name (RID) : CORROSIVE LIQUID, N.O.S.

Transport document description (ADR) : UN 1760 CORROSIVE LIQUID, N.O.S. (Alkyldimethylbenzylammoniumchloride Glutaraldehyde), 8, III, (E), ENVIRONMENTALLY HAZARDOUS

Transport document description (IMDG) : UN 1760 CORROSIVE LIQUID, N.O.S., 8, III, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : 8

Danger labels (ADR) : 8

:

IMDG

Transport hazard class(es) (IMDG) : 8

Danger labels (IMDG) : 8

:

IATA

Transport hazard class(es) (IATA) : 8

Hazard labels (IATA) : 8

:

ADN

Transport hazard class(es) (ADN) : 8

Danger labels (ADN) : 8

:

RID

Transport hazard class(es) (RID) : 8

Danger labels (RID) : 8

:

14.4. Packing group

Packing group (ADR) : III

Packing group (IMDG) : III

Packing group (IATA) : III

Packing group (ADN) : III

Packing group (RID) : III

14.5. Environmental hazards

Dangerous for the environment : Yes

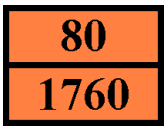
Marine pollutant : Yes

Other information	:	Clean up even minor leaks or spills if possible without unecessary risk

14.6. Special precautions for user

Special transport precautions	:	The driver shall not attempt to deal with any fire of the load, No naked lights. No smoking, Keep public away from danger area, NOTIFY POLICE AND FIRE BRIGADE IMMEDIATELY

- Overland transport

Classification code (ADR)	:	C9
Special provisions (ADR)	:	274
Limited quantities (ADR)	:	5L
Excepted quantities (ADR)	:	E1
Packing instructions (ADR)	:	P001, IBC03, LP01, R001
Mixed packing provisions (ADR)	:	MP19
Portable tank and bulk container instructions (ADR)	:	T7
Portable tank and bulk container special provisions (ADR)	:	TP1, TP28
Tank code (ADR)	:	L4BN
Vehicle for tank carriage	:	AT
Transport category (ADR)	:	3
Special provisions for carriage - Packages (ADR)	:	V12
Hazard identification number (Kemler No.)	:	80
Orange plates	:	
Tunnel restriction code (ADR)	:	E
EAC code	:	2X
APP code	:	B

- Transport by sea

Special provisions (IMDG)	:	223, 274
Limited quantities (IMDG)	:	5 L
Excepted quantities (IMDG)	:	E1
Packing instructions (IMDG)	:	P001, LP01
IBC packing instructions (IMDG)	:	IBC03
Tank instructions (IMDG)	:	T7
Tank special provisions (IMDG)	:	TP1, TP28
EmS-No. (Fire)	:	F-A
EmS-No. (Spillage)	:	S-B
Stowage category (IMDG)	:	A
MFAG-No	:	154

- Air transport

PCA Excepted quantities (IATA)	:	E1
PCA Limited quantities (IATA)	:	Y841
PCA limited quantity max net quantity (IATA)	:	1L
PCA packing instructions (IATA)	:	852
PCA max net quantity (IATA)	:	5L
CAO packing instructions (IATA)	:	856
CAO max net quantity (IATA)	:	60L
Special provisions (IATA)	:	A3
ERG code (IATA)	:	8L

- Inland waterway transport

Classification code (ADN)	:	C9
Special provisions (ADN)	:	274
Limited quantities (ADN)	:	5 L
Excepted quantities (ADN)	:	E1
Carriage permitted (ADN)	:	T
Equipment required (ADN)	:	PP, EP

Number of blue cones/lights (ADN)	:	0
Carriage prohibited (ADN)	:	No
Not subject to ADN	:	No

- Rail transport

Classification code (RID)	:	C9
Special provisions (RID)	:	274
Limited quantities (RID)	:	5L
Excepted quantities (RID)	:	E1
Packing instructions (RID)	:	P001, IBC03, LP01, R001
Mixed packing provisions (RID)	:	MP19
Portable tank and bulk container instructions (RID)	:	T7
Portable tank and bulk container special provisions (RID)	:	TP1, TP28
Tank codes for RID tanks (RID)	:	L4BN
Transport category (RID)	:	3
Special provisions for carriage – Packages (RID)	:	W12
Colis express (express parcels) (RID)	:	CE8
Hazard identification number (RID)	:	80
Carriage prohibited (RID)	:	No

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 substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Other information, restriction and prohibition regulations	:	Ensure all national/local regulations are observed.

15.1.2. National regulations

Germany

VwVwS Annex reference	:	Water hazard class (WGK) 3, strongly hazardous to water (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)

Denmark

Class for fire hazard	:	Class III-1
Store unit	:	50 liter
Classification remarks	:	Flammable according to the Danish Ministry of Justice; 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 Pregnant/breastfeeding women working with the product must not be in direct contact with the product

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Indication of changes:

1.3	Additional information	Added	
2.2	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Modified	
8.1	Additional information	Added	

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

Acute Tox. 2 (Inhalation)	Acute toxicity (inhal.), Category 2
Acute Tox. 3 (Inhalation)	Acute toxicity (inhal.), Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
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 2	Hazardous to the aquatic environment — Chronic Hazard, 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
Met. Corr. 1	Corrosive to metals, Category 1
Resp. Sens. 1	Sensitisation — Respiratory, category 1
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
Skin Sens. 1	Sensitisation — Skin, category 1
Skin Sens. 1A	Sensitisation — Skin, category 1A
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
H290	May be corrosive to metals
H301	Toxic if swallowed
H302	Harmful if swallowed
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
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
H336	May cause drowsiness or dizziness
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
EUH071	Corrosive to the respiratory tract
R11	Highly flammable
R21/22	Harmful in contact with skin and if swallowed
R22	Harmful if swallowed
R23/25	Toxic by inhalation and if swallowed
R34	Causes burns
R36	Irritating to eyes
R42	May cause sensitization by inhalation
R43	May cause sensitisation by skin contact
R50	Very toxic to aquatic organisms
R67	Vapours may cause drowsiness and dizziness
R7	May cause fire
C	Corrosive
F	Highly flammable
N	Dangerous for the environment
T	Toxic
Xi	Irritant
Xn	Harmful

SDS EU CLP DPD

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