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

1.1. Product identifier

Product form : Mixtures
Product name : D 50
Product code : C57

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

1.2.1. Relevant identified uses

Industrial/Professional use spec : Industrial
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
Australia	Poisons Information Centre		13 11 26
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
Iceland	Eitrunarmiðstöð Landspítali	Fossvogi 108 Reykjavik	+354 543 22 22
Malta	Medicines & Poisons Info Office	Mater Dei Hospital MSD Msida	112
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, Guy's & St Thomas' Hospital Trust	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]

Org. Perox. D	H242
Acute Tox. 4 (Oral)	H302
Acute Tox. 4 (Inhalation)	H332
Skin Corr. 1A	H314
STOT SE 3	H335
Aquatic Chronic 1	H410

Full text of hazard classes 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 GHS09

Signal word (CLP) : Danger

Hazard statements (CLP) : H242 - Heating may cause a fire
H302+H332 - Harmful if swallowed or if inhaled
H314 - Causes severe skin burns and eye damage
H335 - May cause respiratory irritation
H410 - Very toxic to aquatic life with long lasting effects

Precautionary statements (CLP) : P280 - Wear protective gloves/protective clothing/eye protection/face protection
P260 - Do not breathe dust/fume/gas/mist/vapours/spray
P221 - Take any precaution to avoid mixing with combustibles/...
P304+P340 - IF INHALED Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician Specific treatment is urgent.
P301+P330+P331+P310+P321 - IF SWALLOWED Rinse mouth Do NOT induce vomiting Immediately call a POISON CENTER or doctor/physician Specific treatment.
P303+P361+P353 - IF ON SKIN (or hair)Remove/Take off immediately all contaminated clothingRinse skin with water/shower

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	% w/w	Classification according to Directive 67/548/EEC
Hydrogen peroxide	(CAS-No.) 7722-84-1 (EC-No.) 231-765-0 (EC Index-No.) 8-003-00-9 (REACH-no) 01-2119485845-22	15 - 30	O; R8 Xn; R20/22 C; R35 R5
Acetic acid	(CAS-No.) 64-19-7 (EC-No.) 200-580-7 (EC Index-No.) 607-002-00-6 (REACH-no) 01-2119475328-30	5 - 15	C; R35 R10
Peracetic acid	(CAS-No.) 79-21-0 (EC-No.) 201-186-8 (EC Index-No.) 607-094-00-8 (REACH-no) 01-2119531330-56	1 - 5	O; R7 Xn; R20/21/22 C; R35 N; R50 R10

Name	Product identifier	% w/w	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hydrogen peroxide	(CAS-No.) 7722-84-1 (EC-No.) 231-765-0 (EC Index-No.) 8-003-00-9 (REACH-no) 01-2119485845-22	15 - 30	Ox. Liq. 1, H271 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Skin Corr. 1A, H314 STOT SE 3, H335 Aquatic Chronic 3, H412
Acetic acid	(CAS-No.) 64-19-7 (EC-No.) 200-580-7 (EC Index-No.) 607-002-00-6 (REACH-no) 01-2119475328-30	5 - 15	Flam. Liq. 3, H226 Skin Corr. 1A, H314
Peracetic acid	(CAS-No.) 79-21-0 (EC-No.) 201-186-8 (EC Index-No.) 607-094-00-8 (REACH-no) 01-2119531330-56	1 - 5	Flam. Liq. 3, H226 Org. Perox. D, H242 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Corr. 1A, H314 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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 after inhalation : Assure fresh air breathing. Allow the victim to rest. Seek medical attention immediately.

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 advice.

First-aid measures after eye contact : Rinse immediately with plenty of water. Seek medical attention immediately.

First-aid measures after ingestion : Rinse mouth. Do not induce vomiting because of corrosive effects. Take to hospital.

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

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

Symptoms/effects after skin contact : Causes burns. Redness, pain.

Symptoms/effects after eye contact : Blurred vision. Redness, pain. Tears. Risk of serious damage to eyes.

Symptoms/effects after ingestion : Burning sensation. Cough. Cramps. May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract. Swallowing a small quantity of this material presents some health hazard. Must not come into contact with food or be consumed.

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 : Oxidizing.

5.3. Advice for firefighters

Precautionary measures fire : Do not enter fire area without proper protective equipment, including respiratory protection. Exercise caution when fighting any chemical fire.

Firefighting instructions : Wear proper protective equipment. No naked lights. No smoking.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Spill should be handled by trained cleaning personnel properly equipped with respiratory and eye protection. Flush/dilute with water.

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 : Collect spills and put it into appropriated container. Clean up any spills as soon as possible, using an absorbent material to collect it. Dilute residues and flush. Use suitable disposal containers.

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 : Ensure prompt removal from eyes, skin and clothing. Avoid all unnecessary exposure. Both local exhaust and general room ventilation are usually required. Where exposure through inhalation may occur from use, respiratory protection equipment is recommended.

Hygiene measures : Keep away from food, drink and animal feeding stuffs. 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.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use. Protect from freezing.

Storage area : Germany: Storage class (LGK): 5.2 - Organic peroxides and self-reactive hazardous substances. Risk group IV OP (organic peroxides), according to Hazardous Substances Ordinance. Note: TRGS 510 "Storage of hazardous substances in portable tanks".

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Hydrogen peroxide (7722-84-1)		
EU	IOELV TWA (mg/m³)	1.4 mg/m³
EU	IOELV TWA (ppm)	1 ppm
Belgium	Local name	Hydrogène (peroxyde d')
Belgium	Limit value (mg/m³)	1.4 mg/m³
Belgium	Limit value (ppm)	1 ppm
Belgium	Remark (BE)	(peroxyde d')
Finland	HTP-arvo (8h) (mg/m³)	1.4 mg/m³
Finland	HTP-arvo (8h) (ppm)	1 ppm
Finland	HTP-arvo (15 min)	4.2 mg/m³
Finland	HTP-arvo (15 min) (ppm)	3 ppm
France	VME (mg/m³)	1.5 mg/m³
France	VME (ppm)	1 ppm
United Kingdom	Local name	Hydrogen peroxide
United Kingdom	WEL TWA (mg/m³)	1.4 mg/m³
United Kingdom	WEL TWA (ppm)	1 ppm
United Kingdom	WEL STEL (mg/m³)	2.8 mg/m³
United Kingdom	WEL STEL (ppm)	2 ppm
USA - ACGIH	ACGIH TWA (mg/m³)	1.4 mg/m³
USA - ACGIH	ACGIH TWA (ppm)	1 ppm
USA - NIOSH	NIOSH REL (TWA) (mg/m³)	1.4 mg/m³
USA - NIOSH	NIOSH REL (TWA) (ppm)	1 ppm
USA - OSHA	OSHA PEL (TWA) (mg/m³)	1.4 mg/m³
USA - OSHA	OSHA PEL (TWA) (ppm)	1 ppm

Acetic acid (64-19-7)		
EU	IOELV TWA (mg/m³)	25 mg/m³
EU	IOELV TWA (ppm)	10 ppm
Belgium	Local name	Acide acétique
Belgium	Limit value (mg/m³)	25 mg/m³
Belgium	Limit value (ppm)	10 ppm
Belgium	Short time value (mg/m³)	38 mg/m³
Belgium	Short time value (ppm)	15 ppm
France	VLE (mg/m³)	25 mg/m³
France	VLE (ppm)	10 ppm
Germany	Local name	Essigsäure
Germany	TRGS 900 Occupational exposure limit value (mg/m³)	25 mg/m³
Germany	TRGS 900 Occupational exposure limit value (ppm)	10 ppm
Germany	TRGS 900 Limitation of exposure peaks (mg/m³)	50 mg/m³
Germany	TRGS 900 Limitation of exposure peaks (ppm)	20 ppm
Germany	Remark (TRGS 900)	DFG,EU,Y
Latvia	OEL TWA (mg/m³)	25 mg/m³ (8h)
Latvia	OEL TWA (ppm)	10 ppm (8h)
United Kingdom	WEL TWA (mg/m³)	25 mg/m³
United Kingdom	WEL TWA (ppm)	10 ppm
United Kingdom	WEL STEL (mg/m³)	37 mg/m³
United Kingdom	WEL STEL (ppm)	15 ppm
USA - ACGIH	ACGIH TWA (mg/m³)	25 mg/m³
USA - ACGIH	ACGIH TWA (ppm)	10 ppm
USA - ACGIH	ACGIH STEL (mg/m³)	37 mg/m³
USA - ACGIH	ACGIH STEL (ppm)	15 ppm
USA - NIOSH	NIOSH REL (TWA) (mg/m³)	25 mg/m³
USA - NIOSH	NIOSH REL (TWA) (ppm)	10 ppm

Acetic acid (64-19-7)		
USA - NIOSH	NIOSH REL (STEL) (mg/m³)	37 mg/m³
USA - NIOSH	NIOSH REL (STEL) (ppm)	15 ppm
USA - OSHA	OSHA PEL (TWA) (mg/m³)	25 mg/m³
USA - OSHA	OSHA PEL (TWA) (ppm)	10 ppm

Peracetic acid (79-21-0)		
EU	IOELV TWA (mg/m³)	1 mg/m³
Netherlands	MAC C (mg/m³)	1 mg/m³

Hydrogen peroxide (7722-84-1)	
DNEL/DMEL (Workers)	
Acute - local effects, inhalation	3 mg/m³
Long-term - local effects, inhalation	1.4 mg/m³
DNEL/DMEL (General population)	
Acute - local effects, inhalation	1.93 mg/m³
Long-term - local effects, inhalation	0.21 mg/m³
PNEC (Water)	
PNEC aqua (freshwater)	0.0126 mg/l Assessment factor: 50
PNEC aqua (marine water)	0.0126 mg/l Assessment factor: 50
PNEC aqua (intermittent, freshwater)	0.0138 mg/l Assessment factor: 100
PNEC (Sediment)	
PNEC sediment (freshwater)	0.047 mg/kg dwt
PNEC sediment (marine water)	0.047 mg/kg dwt
PNEC (Soil)	
PNEC soil	0.0023 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	4.66 mg/l Assessment factor: 100

Acetic acid (64-19-7)	
DNEL/DMEL (Workers)	
Acute - local effects, inhalation	25 mg/m³
Long-term - local effects, inhalation	25 mg/m³
DNEL/DMEL (General population)	
Acute - local effects, inhalation	25 mg/m³
Long-term - local effects, inhalation	25 mg/m³
PNEC (Water)	
PNEC aqua (freshwater)	3.058 mg/l Assessment factor: 100
PNEC aqua (marine water)	0.3058 mg/l Assessment factor: 100
PNEC aqua (intermittent, freshwater)	30.58 mg/l Assessment factor: 10
PNEC (Sediment)	
PNEC sediment (freshwater)	11.36 mg/kg dwt
PNEC sediment (marine water)	1.136 mg/kg dwt
PNEC (Soil)	
PNEC soil	0.47 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	85 mg/l Assessment factor: 10

Peracetic acid (79-21-0)	
DNEL/DMEL (Workers)	
Acute - systemic effects, inhalation	0.6 mg/m³
Acute - local effects, dermal	0.12 % in mixture
Acute - local effects, inhalation	0.6 mg/m³
Long-term - systemic effects, inhalation	0.6 mg/m³
Long-term - local effects, inhalation	0.6 mg/m³
DNEL/DMEL (General population)	
Acute - systemic effects, inhalation	0.6 mg/m³
Acute - local effects, dermal	0.12 % in mixture
Acute - local effects, inhalation	0.3 mg/m³
Long-term - systemic effects, inhalation	0.6 mg/m³
Long-term - local effects, inhalation	0.6 mg/m³

Peracetic acid (79-21-0)	
PNEC (Water)	
PNEC aqua (freshwater)	0.000224 mg/l Assessment factor: 10
PNEC (Sediment)	
PNEC sediment (freshwater)	0.00018 mg/kg dwt
PNEC (Soil)	
PNEC soil	0.32 mg/kg dwt Assessment factor: 1000
PNEC (STP)	
PNEC sewage treatment plant	0.051 mg/l Assessment factor: 100

8.2. Exposure controls

Appropriate engineering controls:

Local exhaust and general ventilation must be adequate to meet exposure standards.

Personal protective equipment:

Gloves. Protective goggles. Protective clothing.

Materials for protective clothing:

Condition	Material	Standard
Good resistance:		EN 943-2

Hand protection:

Wear suitable gloves resistant to chemical penetration. chemical resistant PVC gloves (to European standard EN 374 or equivalent)

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Reusable gloves	Polyvinylchloride (PVC)	6 (> 480 minutes)	0.5	2 (< 1.5)	EN 374

Eye protection:

Chemical goggles or face shield with safety glasses. Use eye protection to EN 166, designed to protect against liquid splashes

Type	Use	Characteristics	Standard
Safety glasses, Safety goggles, Face shield	Droplet	clear, Plastic	EN 166

Skin and body protection:

Wear suitable protective clothing. Protective clothing compliant with EN 943 part 2

Type	Standard
	EN 943

Respiratory protection:

Approved dust or mist respirator should be used if airborne particles are generated when handling this material. Full face mask respirator with combination of filter A2B2P3

Other information:

When using do not eat, drink or smoke. Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure. Provide local exhaust or general room ventilation.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Colour	:	Clear.
Odour	:	Pungent.
Odour threshold	:	No data available
pH	:	ca 3 (1%)
Relative evaporation rate (butylacetate=1)	:	No data available
Melting point	:	-28 °C
Freezing point	:	No data available

Boiling point	:	105 °C
Flash point	:	100 °C
Auto-ignition temperature	:	No data available
Decomposition temperature	:	55 °C May release : Oxygen.
Flammability (solid, gas)	:	No data available
Vapour pressure	:	27 hPa
Relative vapour density at 20 °C	:	No data available
Relative density	:	No data available
Density	:	1.12 kg/l
Solubility	:	Water: 100 %
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

No additional information available

10.2. Chemical stability

No additional information available

10.3. Possibility of hazardous reactions

None under normal conditions.

10.4. Conditions to avoid

Heat.

10.5. Incompatible materials

Acids. Alkaline mixture. Reducing agents. metals. Organic compounds.

10.6. Hazardous decomposition products

Thermal decomposition generates : Oxygen.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Oral: Harmful if swallowed. Inhalation: Harmful if inhaled.

D 50	
LD50 oral rat	ca 950 mg/kg
LD50 dermal rat	> 12000 mg/kg
LC50 inhalation rat (mg/l)	> 4080 mg/m³
ATE CLP (oral)	500.000 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
Additional information	This material was found to be non-sensitizing in guinea pigs who received subcutaneous injections.

Hydrogen peroxide (7722-84-1)	
LD50 oral rat	1193 - 1270 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 0.17 mg/l/4h
ATE CLP (oral)	1193.000 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

Acetic acid (64-19-7)	
LD50 oral rat	3310 mg/kg

Acetic acid (64-19-7)	
ATE CLP (oral)	3310.000 mg/kg

Peracetic acid (79-21-0)	
LD50 dermal rabbit	1147 mg/kg (5%, PAA mixture)
LC50 inhalation rat (mg/l)	4h 4080 mg/m³ Aerosol, (5% PAA mixture)
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

Skin corrosion/irritation : Causes severe skin burns and eye damage.
pH: ca 3 (1%)

Serious eye damage/irritation : Serious eye damage, category 1, implicit
pH: ca 3 (1%)

Respiratory or skin sensitisation : Not classified

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

SECTION 12: Ecological information

12.1. Toxicity

D 50	
LC50 fish 1	ca 25 mg/l 96h
EC50 Daphnia 1	ca 10 mg/l 48h
Additional ecotoxicological information	IC50, algae, algae: 12 mg/l (72 Hours)

Hydrogen peroxide (7722-84-1)	
LC50 fish 1	37.4 mg/l 96h
EC50 Daphnia 1	7.7 mg/l 24h

Acetic acid (64-19-7)	
LC50 fish 1	> 300 mg/l
EC50 Daphnia 1	> 300 mg/l
EC50 other aquatic organisms 1	> 300 mg/l
ErC50 (algae)	> 300 mg/l

12.2. Persistence and degradability

D 50	
Persistence and degradability	Biodegradable.
Biodegradation	100 %

12.3. Bioaccumulative potential

D 50	
Bioaccumulative potential	No bioaccumulation.

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

Regional legislation (waste) : Dispose in a safe manner in accordance with local/national regulations.

Product/Packaging disposal recommendations : 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)	:	3149
UN-No. (IMDG)	:	3149
UN-No. (IATA)	:	3149
UN-No. (ADN)	:	3149
UN-No. (RID)	:	3149

14.2. UN proper shipping name

Proper Shipping Name (ADR)	:	HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE STABILIZED
Proper Shipping Name (IMDG)	:	HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE STABILIZED
Proper Shipping Name (IATA)	:	Hydrogen peroxide and peroxyacetic acid mixture stabilized
Proper Shipping Name (ADN)	:	HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE STABILIZED
Proper Shipping Name (RID)	:	HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE STABILIZED
Transport document description (ADR)	:	UN 3149 HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE STABILIZED, 5.1 (8), II, (E), ENVIRONMENTALLY HAZARDOUS
Transport document description (IMDG)	:	UN 3149 HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE STABILIZED, 5.1 (8), II, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS
Transport document description (IATA)	:	UN 3149 Hydrogen peroxide and peroxyacetic acid mixture stabilized, 5.1 (8), II, ENVIRONMENTALLY HAZARDOUS
Transport document description (ADN)	:	UN 3149 HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE STABILIZED, 5.1 (8), II, ENVIRONMENTALLY HAZARDOUS
Transport document description (RID)	:	UN 3149 HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE STABILIZED, 5.1 (8), II, ENVIRONMENTALLY HAZARDOUS

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR)	:	5.1 (8)
Danger labels (ADR)	:	5.1, 8

:

IMDG

Transport hazard class(es) (IMDG)	:	5.1 (8)
Danger labels (IMDG)	:	5.1, 8

:

IATA

Transport hazard class(es) (IATA)	:	5.1 (8)
Hazard labels (IATA)	:	5.1, 8

:

ADN

Transport hazard class(es) (ADN)	:	5.1 (8)
Danger labels (ADN)	:	5.1, 8

: 

RID

Transport hazard class(es) (RID) : 5.1 (8)

Danger labels (RID) : 5.1, 8

: 

14.4. Packing group

Packing group (ADR) : II

Packing group (IMDG) : II

Packing group (IATA) : II

Packing group (ADN) : II

Packing group (RID) : II

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) : OC1

Special provisions (ADR) : 196, 553

Limited quantities (ADR) : 1l

Excepted quantities (ADR) : E2

Packing instructions (ADR) : P504, IBC02

Special packing provisions (ADR) : PP10, B5

Mixed packing provisions (ADR) : MP15

Portable tank and bulk container instructions (ADR) : T7

Portable tank and bulk container special provisions (ADR) : TP2, TP6, TP24

Tank code (ADR) : L4BV(+)

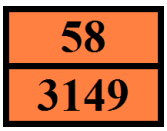
Tank special provisions (ADR) : TU3, TC2, TE8, TE11, TT1

Vehicle for tank carriage : AT

Transport category (ADR) : 2

Special provisions for carriage - Loading, unloading and handling (ADR) : CV24

Hazard identification number (Kemler No.) : 58

Orange plates : 

Tunnel restriction code (ADR) : E

EAC code : 2P

- Transport by sea

Special provisions (IMDG) : 196

Limited quantities (IMDG) : 1 L

Excepted quantities (IMDG) : E2

Packing instructions (IMDG)	: P504
Special packing provisions (IMDG)	: PP10
IBC packing instructions (IMDG)	: IBC02
IBC special provisions (IMDG)	: B5
Tank instructions (IMDG)	: T7
Tank special provisions (IMDG)	: TP2, TP6, TP24
EmS-No. (Fire)	: F-H
EmS-No. (Spillage)	: S-Q
Stowage category (IMDG)	: D
MFAG-No	: 154

- Air transport

PCA Excepted quantities (IATA)	: E2
PCA Limited quantities (IATA)	: Y540
PCA limited quantity max net quantity (IATA)	: 0.5L
PCA packing instructions (IATA)	: 550
PCA max net quantity (IATA)	: 1L
CAO packing instructions (IATA)	: 554
CAO max net quantity (IATA)	: 5L
Special provisions (IATA)	: A96
ERG code (IATA)	: 5C

- Inland waterway transport

Classification code (ADN)	: OC1
Special provisions (ADN)	: 196, 553
Limited quantities (ADN)	: 1 L
Excepted quantities (ADN)	: E2
Equipment required (ADN)	: PP, EP
Number of blue cones/lights (ADN)	: 0

- Rail transport

Classification code (RID)	: OC1
Special provisions (RID)	: 196, 553
Limited quantities (RID)	: 1L
Excepted quantities (RID)	: E2
Packing instructions (RID)	: P504, IBC02
Special packing provisions (RID)	: PP10, B5
Mixed packing provisions (RID)	: MP15
Portable tank and bulk container instructions (RID)	: T7
Portable tank and bulk container special provisions (RID)	: TP2, TP6, TP24
Tank codes for RID tanks (RID)	: L4BV(+)
Special provisions for RID tanks (RID)	: TU3, TC2, TE8, TE11, TT1
Transport category (RID)	: 2
Special provisions for carriage - Loading, unloading and handling (RID)	: CW24
Colis express (express parcels) (RID)	: CE6
Hazard identification number (RID)	: 58

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	:	None of the components are listed

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

Other information : The information provided in this Technical Safety Data Sheet is correct to the best of our knowledge and while we endeavor to keep the information up to date and correct according to the state of the art, we make no representations or warranties of any kind, express or implied, about the completeness, accuracy, reliability or suitability with respect to the information contained in this technical data sheet. Any reliance you place on such information is therefore strictly at your own risk. In no event will we be liable for any loss or damage (including, without limitation, indirect or consequential loss or damage, or any loss or damage whatsoever arising from loss of profits) arising out of, or in connection with, the use of this information and /or the use, handling, processing or storage of the product. Always consult the Safety Data Sheet and product label for more info about security.

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
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
Flam. Liq. 3	Flammable liquids, Category 3
Org. Perox. D	Organic Peroxides, Type D
Ox. Liq. 1	Oxidising Liquids, Category 1
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H226	Flammable liquid and vapour
H242	Heating may cause a fire
H271	May cause fire or explosion; strong oxidiser
H302	Harmful if swallowed
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H332	Harmful if inhaled
H335	May cause respiratory irritation
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
R10	Flammable
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed
R20/22	Harmful by inhalation and if swallowed
R35	Causes severe burns
R5	Heating may cause an explosion
R50	Very toxic to aquatic organisms
R7	May cause fire
R8	Contact with combustible material may cause fire
C	Corrosive
N	Dangerous for the environment
O	Oxidising
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