



WALL HARDENER

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Issue date: 2/23/2021 Revision date: 9/8/2022 Supersedes version of: 5/10/2022 Version: 1.2

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

1.1. Product identifier

Product form	: Mixture
Trade name	: WALL HARDENER
Product code	: EN-LSBAT-TTDUR-L
Type of product	: Liquid
Product group	: Trade product

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

1.2.1. Relevant identified uses

Intended for general public	
Main use category	: Consumer use,Professional use
Use of the substance/mixture	: manufacture of binders or hardeners for coating materials or adhesives

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Supplier

TOUPRET SA
24 Rue du 14 juillet
FR- 91813 Corbeil-Essonnes
France
T + 33 (0)1 69 47 20 20 - F + 33 (0)1 60 75 87 11
fdstoupret@toupret.fr - <https://www.toupret.com/>

Subsidiary companies

TOUPRET UK LTD
Capital Business Centre - Unit 58 22 Carlton Road
UK- CR2 0BS South Croydon
United Kingdom
T +44 208 916 2134 - F +44 208 916 2136
fdstoupret@toupret.fr - <https://www.toupret.co.uk/>

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111	Only for healthcare professionals
United Kingdom	National Poisons Information Service (Cardiff Centre) University Hospital Llandough	Penlan Road CF64 2XX Llandough	0344 892 0111	Only for healthcare professionals
United Kingdom	National Poisons Information Service (Edinburgh Centre) Royal Infirmary of Edinburgh	Little France Crescent EH16 4SA Edinburgh	0344 892 0111	Only for healthcare professionals
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	+44 20 7188 7188	
United Kingdom	National Poisons Information Service (Newcastle Centre) Regional Drugs and Therapeutics Centre	16/17 Framlington Place Newcastle-upon-Tyne NE2 4AB Newcastle	0344 892 0111	Only for healthcare professionals
United Kingdom	National Poisons Information Service (Belfast Centre) Royal Victoria Hospital	Grosvenor Road BT12 6BA Belfast	0344 892 0111	Only for healthcare professionals

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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Flammable liquids, Category 2	H225
Serious eye damage/eye irritation, Category 2	H319
Specific target organ toxicity — Single exposure, Category 3, Narcosis	H336
Full text of H- and EUH-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)



Signal word (CLP)

: Danger

Contains

: propan-2-ol, ethyl acetate

Hazard statements (CLP)

: H225 - Highly flammable liquid and vapour.

H319 - Causes serious eye irritation.

H336 - May cause drowsiness or dizziness.

Precautionary statements (CLP)

: P101 - If medical advice is needed, have product container or label at hand.

P102 - Keep out of reach of children.

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

No smoking.

P271 - Use only outdoors or in a well-ventilated area.

P405 - Store locked up.

P501 - Dispose of contents and container to a hazardous or special waste collection point.

2.3. Other hazards

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

Component	
propan-2-ol (67-63-0)	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

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

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3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
propan-2-ol substance with national workplace exposure limit(s) (GB)	CAS-No.: 67-63-0 EC-No.: 200-661-7 EC Index-No.: 603-117-00-0	≥ 50 – < 80	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
ethyl acetate substance with a Community workplace exposure limit	CAS-No.: 141-78-6 EC-No.: 205-500-4 EC Index-No.: 607-022-00-5	≤ 8.74	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
vinyl acetate	CAS-No.: 108-05-4 EC-No.: 203-545-4 EC Index-No.: 607-023-00-0	≤ 0.115	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation), H332 Carc. 2, H351 STOT SE 3, H335

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

SECTION 4: First aid measures

4.1. Description of first aid measures

- | | |
|---------------------------------------|---|
| First-aid measures after inhalation | : Remove person to fresh air and keep comfortable for breathing. If breathing stops, give artificial respiration. If unconscious place in recovery position and seek medical advice. Never give anything by mouth to an unconscious person. |
| First-aid measures after skin contact | : Take off contaminated clothing. Gently wash with plenty of soap and water. Do not use solvents or thinners. |
| First-aid measures after eye contact | : Immediately rinse with water for a prolonged period while holding the eyelids wide open. If eye irritation persists: Get medical advice/attention. |
| First-aid measures after ingestion | : Rinse mouth out with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. If swallowed, seek medical advice immediately and show this container or label. |

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

- | | |
|-------------------------------------|---|
| Symptoms/effects after inhalation | : May cause drowsiness or dizziness. |
| Symptoms/effects after skin contact | : Irritation. |
| Symptoms/effects after eye contact | : Eye irritation. |
| Symptoms/effects after ingestion | : May cause irritation to the digestive tract. May cause drowsiness or dizziness. |

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

In case of doubt or persistent symptoms, consult always a physician.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- | | |
|--------------------------------|--|
| Suitable extinguishing media | : dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2). |
| Unsuitable extinguishing media | : Do not use a heavy water stream. |

5.2. Special hazards arising from the substance or mixture

- | | |
|--|---|
| Fire hazard | : Fire will produce dense black smoke. The vapours are denser than air and may travel along the ground. Distance ignition possible. |
| 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. |
| Other information | : Do not allow run-off from fire-fighting to enter drains or water courses. |

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Provide adequate ventilation. Remove ignition sources.

6.1.1. For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.
Emergency procedures : Do not breathe vapours.

6.1.2. For emergency responders

Protective equipment : Wear recommended personal protective equipment. Keep away from ignition sources.
Avoid contact with skin and eyes. Do not breathe vapours. 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

For containment : Take up liquid spill into absorbent material, e.g.: sand, earth, vermiculite. Sweep or shovel spills into appropriate container for disposal.

Methods for cleaning up : Clean with detergents. Avoid solvent cleaners.

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 : Provide adequate ventilation to minimize dust and/or vapour concentrations. Avoid contact with skin, eyes and clothing. Use personal protective equipment as required. Do not breathe vapours. Non-static creating clothing and conductive shoes should be worn.
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep container tightly closed. Store in a dry place. Keep away from ignition sources. Access forbidden to unauthorised personnel. Never use pressure to empty container.
Incompatible materials : Strong acids. Oxidizer, alkaline.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

propan-2-ol (67-63-0)

United Kingdom - Occupational Exposure Limits

Local name	Propan-2-ol
WEL TWA (OEL TWA) [1]	999 mg/m ³
WEL TWA (OEL TWA) [2]	400 ppm

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propan-2-ol (67-63-0)	
WEL STEL (OEL STEL)	1250 mg/m ³
WEL STEL (OEL STEL) [ppm]	500 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No additional information available

8.2.2. Personal protection equipment

Personal protective equipment:

Gloves. Safety glasses. Gas mask. Protective clothing.

Personal protective equipment symbol(s):



8.2.3. Environmental exposure controls

No additional information available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless.
Odour	: alcohol.
Odour threshold	: Not available
Melting point	: -88 °C (PROPAN-2-OL)
Freezing point	: Not available
Boiling point	: 82 °C (PROPAN-2-OL)
Flammability	: Not available
Explosive limits	: 2 – 12 vol % (PROPAN-2-OL)
Lower explosive limit (LEL)	: Not available
Upper explosive limit (UEL)	: Not available
Flash point	: 12 °C (PROPAN-2-OL)
Auto-ignition temperature	: 425 °C (PROPAN-2-OL)
Decomposition temperature	: Not available
pH	: 9
Viscosity, kinematic	: Not available
Viscosity, dynamic	: ≈ 2.43 mPa·s (20°C)
Solubility	: Not miscible.
Partition coefficient n-octanol/water (Log K _{ow})	: Not available
Vapour pressure	: 48 hPa 20°C, (PROPAN-2-OL)
Vapour pressure at 50 °C	: Not available
Density	: Not available

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Relative density	: ≈ 0.88 20°C
Relative vapour density at 20 °C	: 2 (PROPAN-2-OL)
Particle size	: Not applicable
Particle size distribution	: Not applicable
Particle shape	: Not applicable
Particle aspect ratio	: Not applicable
Particle aggregation state	: Not applicable
Particle agglomeration state	: Not applicable
Particle specific surface area	: Not applicable
Particle dustiness	: Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

VOC content	: ≈ 70 %
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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

Reacts exothermically with (some) acids.

10.4. Conditions to avoid

Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

Strong acids. Oxidizing agent.

10.6. Hazardous decomposition products

Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

propan-2-ol (67-63-0)

LD50 oral rat	5840 mg/kg bodyweight (OECD 401 method)
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ethyl acetate (141-78-6)

LD50 oral	4934 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 dermal rabbit	> 20000 mg/kg bodyweight Animal: rabbit, Animal sex: male
Skin corrosion/irritation	: Not classified pH: 9

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Serious eye damage/irritation	: Causes serious eye irritation. pH: 9
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: May cause drowsiness or dizziness.

propan-2-ol (67-63-0)

STOT-single exposure	May cause drowsiness or dizziness.
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ethyl acetate (141-78-6)

STOT-single exposure	May cause drowsiness or dizziness.
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vinyl acetate (108-05-4)

STOT-single exposure	May cause respiratory irritation.
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STOT-repeated exposure	: Not classified
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ethyl acetate (141-78-6)

LOAEL (oral, rat, 90 days)	3600 mg/kg bodyweight Animal: rat, Guideline: EPA OTS 795.2600 (Subchronic Oral Toxicity Test)
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NOAEL (oral, rat, 90 days)	900 mg/kg bodyweight Animal: rat, Guideline: EPA OTS 795.2600 (Subchronic Oral Toxicity Test)
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vinyl acetate (108-05-4)

NOAEL (subchronic, oral, animal/male, 90 days)	285 mg/kg bodyweight Animal: mouse, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
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NOAEL (subchronic, oral, animal/female, 90 days)	281 mg/kg bodyweight Animal: mouse, Animal sex: female, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
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Aspiration hazard	: Not classified
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Additional information	: May be fatal if swallowed and enters airways.
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11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute)	: Not classified
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Hazardous to the aquatic environment, long-term (chronic)	: Not classified
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Not rapidly degradable

propan-2-ol (67-63-0)

LC50 - Fish [1]	10000 mg/l (Pimephales promelas)
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LC50 - Fish [2]	9640 mg/l (Pimephales promelas)
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EC50 72h - Algae [1]	> 100 mg/l
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ethyl acetate (141-78-6)

LC50 - Fish [1]	230 mg/l Test organisms (species): Pimephales promelas
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NOEC (chronic)	2.4 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
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vinyl acetate (108-05-4)	
EC50 - Crustacea [1]	12.6 mg/l Test organisms (species): Daphnia magna
NOEC chronic fish	0.551 mg/l Test organisms (species): Pimephales promelas Duration: '34 d'

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

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Bioaccumulative potential	Mixture does not contain substance (s) classified as PBT or vPvB in concentrations above 0,1%.
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

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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

Component

propan-2-ol (67-63-0)	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

12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties	: The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605
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12.7. Other adverse effects

Additional information	: Avoid release to the environment.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations	: hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
HP Code	: HP3 - "Flammable": — flammable liquid waste: liquid waste having a flash point below 60 °C or waste gas oil, diesel and light heating oils having a flash point > 55 °C and ≤ 75 °C; — flammable pyrophoric liquid and solid waste: solid or liquid waste which, even in small quantities, is liable to ignite within five minutes after coming into contact with air; — flammable solid waste: solid waste which is readily combustible or may cause or contribute to fire through friction; — flammable gaseous waste: gaseous waste which is flammable in air at 20 °C and a standard pressure of 101.3 kPa; — water reactive waste: waste which, in contact with water, emits flammable gases in dangerous quantities; — other flammable waste: flammable aerosols, flammable self-heating waste, flammable organic peroxides and flammable self-reactive waste.

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SECTION 14: Transport information

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

14.1. UN number or ID number

UN-No. (ADR)	:	UN 1263
UN-No. (IMDG)	:	UN 1263
UN-No. (IATA)	:	UN 1263
UN-No. (ADN)	:	UN 1263
UN-No. (RID)	:	UN 1263

14.2. UN proper shipping name

Proper Shipping Name (ADR)	:	PAINT RELATED MATERIAL
Proper Shipping Name (IMDG)	:	PAINT RELATED MATERIAL
Proper Shipping Name (IATA)	:	Paint
Proper Shipping Name (ADN)	:	PAINT RELATED MATERIAL
Proper Shipping Name (RID)	:	PAINT RELATED MATERIAL
Transport document description (ADR)	:	UN 1263 PAINT RELATED MATERIAL, 3, II, (D/E)
Transport document description (IMDG)	:	UN 1263 PAINT RELATED MATERIAL, 3, II
Transport document description (IATA)	:	UN 1263 Paint, 3, II
Transport document description (ADN)	:	UN 1263 PAINT RELATED MATERIAL, 3, II
Transport document description (RID)	:	UN 1263 PAINT RELATED MATERIAL, 3, II

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR)	:	3
Danger labels (ADR)	:	3
	:	



IMDG

Transport hazard class(es) (IMDG)	:	3
Danger labels (IMDG)	:	3
	:	



IATA

Transport hazard class(es) (IATA)	:	3
Danger labels (IATA)	:	3
	:	



ADN

Transport hazard class(es) (ADN)	:	3
Danger labels (ADN)	:	3
	:	



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RID

Transport hazard class(es) (RID)

: 3

Danger labels (RID)

: 3

:



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

: No

Marine pollutant

: No

Other information

: No supplementary information available

14.6. Special precautions for user

Overland transport

Classification code (ADR)

: F1

Special provisions (ADR)

: 163, 367, 640C, 650

Limited quantities (ADR)

: 5L

Excepted quantities (ADR)

: E2

Packing instructions (ADR)

: P001

Special packing provisions (ADR)

: PP1

Mixed packing provisions (ADR)

: MP19

Portable tank and bulk container instructions (ADR)

: T4

Portable tank and bulk container special provisions

(ADR)

: TP1, TP8, TP28

Tank code (ADR)

: L1.5BN

Vehicle for tank carriage

: FL

Transport category (ADR)

: 2

Special provisions for carriage - Operation (ADR)

: S2, S20

Hazard identification number (Kemler No.)

: 33

Orange plates

: An orange rectangular placard divided into two horizontal sections. The top section contains the number '33' and the bottom section contains the number '1263'.

Tunnel restriction code (ADR)

: D/E

EAC code

: •3YE

Transport by sea

Special provisions (IMDG)

: 163, 367

Limited quantities (IMDG)

: 5 L

Excepted quantities (IMDG)

: E2

Packing instructions (IMDG)

: P001

Special packing provisions (IMDG)

: PP1

IBC packing instructions (IMDG)

: IBC02

Tank instructions (IMDG)

: T4

Tank special provisions (IMDG)

: TP1, TP8, TP28

EmS-No. (Fire)

: F-E

EmS-No. (Spillage)

: S-E

Stowage category (IMDG)

: B

Properties and observations (IMDG)

: Miscibility with water depends upon the composition.

Air transport

PCA Excepted quantities (IATA)

: E2

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PCA Limited quantities (IATA)	:	Y341
PCA limited quantity max net quantity (IATA)	:	1L
PCA packing instructions (IATA)	:	353
PCA max net quantity (IATA)	:	5L
CAO packing instructions (IATA)	:	364
CAO max net quantity (IATA)	:	60L
Special provisions (IATA)	:	A3, A72, A192
ERG code (IATA)	:	3L

Inland waterway transport

Classification code (ADN)	:	F1
Special provisions (ADN)	:	163, 367, 640C, 650
Limited quantities (ADN)	:	5 L
Excepted quantities (ADN)	:	E2
Equipment required (ADN)	:	PP, EX, A
Ventilation (ADN)	:	VE01
Number of blue cones/lights (ADN)	:	1

Rail transport

Classification code (RID)	:	F1
Special provisions (RID)	:	163, 367, 640C, 650
Limited quantities (RID)	:	5L
Excepted quantities (RID)	:	E2
Packing instructions (RID)	:	P001
Special packing provisions (RID)	:	PP1
Mixed packing provisions (RID)	:	MP19
Portable tank and bulk container instructions (RID)	:	T4
Portable tank and bulk container special provisions (RID)	:	TP1, TP8, TP28
Tank codes for RID tanks (RID)	:	L1.5BN
Transport category (RID)	:	2
Colis express (express parcels) (RID)	:	CE7
Hazard identification number (RID)	:	33

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

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

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

VOC content : ≈ 70 %

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No additional information available

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SECTION 16: Other information

Indication of changes:

This sheet has been revised completely (changes were not marked).

Full text of H- and EUH-statements:	
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Carc. 2	Carcinogenicity, Category 2
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis

fds eu toupret

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.