

SAFETY DATA SHEET

PRF Degreaser liquid line

The safety data sheet is in accordance with Commission Regulation (EU) 2020/878 of 18 June 2020 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

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

Date issued 07.02.2023

1.1. Product identifier

Product name PRF Degreaser liquid line
Article no. PLDEGR01,PLDEGR02,PLDEGR200

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

Use of the substance / mixture Cleaning agent
Main intended use PC-CLN-OTH Other cleaning, care and maintenance products (excludes biocidal products)

1.3. Details of the supplier of the safety data sheet

Company name Taerosol Oy
Postal address Hampuntie 21
Postcode 36220
City Kangasala
Country Finland
Telephone number +358 33565600
Website www.taerosol.com
Enterprise No. 02847686

1.4. Emergency telephone number

Emergency telephone Telephone number: 112 / Finnish Poison Information Center: 0800 147 111, 24/7


SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP / GHS] Flam. Liq. 2; H225
Asp. Tox. 1; H304

Substance / mixture hazardous properties	Skin Irrit. 2; H315
	Eye Irrit. 2; H319
	STOT SE 3; H336
	Aquatic Chronic 2; H411
Additional information on classification	<p>Volatile. Vapours may form explosive mixture with air.</p> <p>For the full text of the statements mentioned in this Section, see Section 16.</p>

2.2. Label elements

Hazard pictograms (CLP)	
	
Composition on the label	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclic, Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclic, <5% n-hexane, Propan-2-ol
Signal word	Danger
Hazard statements	<p>H225 Highly flammable liquid and vapour.</p> <p>H304 May be fatal if swallowed and enters airways.</p> <p>H315 Causes skin irritation.</p> <p>H319 Causes serious eye irritation.</p> <p>H336 May cause drowsiness or dizziness.</p> <p>H411 Toxic to aquatic life with long lasting effects.</p>
Precautionary statements	<p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P273 Avoid release to the environment.</p> <p>P280 Wear protective gloves / protective clothing / eye protection / face protection.</p> <p>P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor / physician.</p> <p>P403+P233 Store in a well-ventilated place. Keep container tightly closed.</p>

2.3. Other hazards

PBT / vPvB	See section 12.5
Health effect	See section 11.2

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Substance	Identification	Classification	Contents	Notes
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclic	REACH Reg. No.: 01-2119475515-33-xxxx	Flam. Liq. 2; H225 Skin Irrit. 2; H315 STOT SE 3; H336 Asp. Tox. 1; H304	< 90 %	

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclic, <5% n-hexane	EC No.: 921-024-6 REACH Reg. No.: 01-2119475514-35-XXXX	Aquatic Chronic 2; H411 Flam. Liq. 2; H225 Asp. Tox. 1; H304 Skin Irrit. 2; H315 STOT SE 3; H336 Aquatic Chronic 2; H411	< 90 %
Propan-2-ol	CAS No.: 67-63-0 EC No.: 200-661-7 REACH Reg. No.: 01-2119457558-25-XXXX	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336	< 15 %
Substance comments	Contains: aliphatic hydrocarbons \geq 30 % For the full text of the statements mentioned in this Section, see Section 16.		

SECTION 4: First aid measures

4.1. Description of first aid measures

General	Take off contaminated clothing and wash it before reuse.
Inhalation	Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
Skin contact	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.
Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion	Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

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

General symptoms and effects	Aspiration hazard if swallowed - can enter lungs and cause damage. Skin irritation Eye irritation Drowsiness Dizziness
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4.3. Indication of any immediate medical attention and special treatment needed

Medical treatment	Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Improper extinguishing media	Water spray

5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards	Vapours may form explosive mixture with air.
Hazardous combustion products	Carbon dioxide (CO ₂) Carbon monoxide (CO)

5.3. Advice for firefighters

Personal protective equipment	In accordance with the requirements of EN 469, firefighter's clothing with a helmet, protective boots and gloves provides a basic level of protection against chemical accidents. In case of inadequate ventilation wear respiratory protection. See section 8.2
Fire fighting procedures	Use water spray to cool unopened containers.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	Use personal protective equipment. See section 8.2 Eliminate all ignition sources if safe to do so. Ensure adequate ventilation. Stop leak if safe to do so. Evacuate area.
For emergency responders	Use personal protective equipment. See section 8.2

6.2. Environmental precautions

Environmental precautionary measures	Try to prevent the material from entering drains or water courses. Avoid release to the environment. Collect spillage.
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6.3. Methods and material for containment and cleaning up

Containment	Prevent further leakage or spillage if safe to do so. Pay attention to the spreading of gases especially at ground level (heavier than air) and to the direction of the wind.
Clean up	Absorb spillage to prevent material damage. Non-sparking tools should be used. Use explosion-proof equipment.

6.4. Reference to other sections

Other instructions	See section 7, 8, 13
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling	Remove all sources of ignition. Take precautionary measures against static discharges. Non-sparking tools should be used. Use explosion-proof equipment. Ground and bond container and receiving equipment. Keep away from oxidising agents and strongly acid or alkaline materials. Try to prevent the material from entering drains or water courses. Handle in accordance with good industrial hygiene and safety practice. Do not taste or swallow. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product. Wear protective gloves / protective clothing / eye protection / face protection. Wash hands and skin thoroughly after handling. Avoid breathing vapours/spray. Use only outdoors or in a well-ventilated area.
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7.2. Conditions for safe storage, including any incompatibilities

Storage	Remove all sources of ignition. Keep away from oxidising agents and strongly
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acid or alkaline materials. Take precautionary measures against static discharge. Ground / bond container and receiving equipment. Use explosion-proof equipment. Protect from sunlight. Do not expose to temperatures exceeding 50 °C /122 °F. Keep away from food, drink and animal feedingstuffs. Store in a well-ventilated place. Keep cool. Keep container tightly closed. Keep only in original container. Store locked up.

7.3. Specific end use(s)

Specific use(s)

None known.

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

Substance	Identification	Exposure limits	TWA Year
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclic		Recommended monitoring procedures: This information is not available. Comments: This information is not available.	
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclic, <5% n-hexane		Country of origin: FI Limit value (8 h) : 500 mg/m ³ Recommended monitoring procedures: This information is not available. Source: Decree of the Ministry of Social Affairs and Health on concentrations known to be harmful (654/2020) Comments: Solvent naphtha, group 1	
Propan-2-ol	CAS No.: 67-63-0	Country of origin: FI Limit value (8 h) : 200 ppm Limit value (8 h) : 500 mg/m ³ Limit value (short term) Value: 250 ppm Limit value (short term) Value: 620 mg/m ³ Limit value (short term) Appraisal period: 15 min Recommended monitoring procedures: This information is not available. Source: Decree of the Ministry of Social Affairs and Health on concentrations known to be harmful (654/2020)	

DNEL / PNEC

Substance	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclic
DNEL	<p>Group: Professional Route of exposure: Long-term inhalation (systemic) Value: 2085 mg/m³</p> <p>Group: Professional Route of exposure: Long-term dermal (systemic) Value: 300 mg/kg bw/day</p> <p>Group: Consumer Route of exposure: Long-term inhalation (systemic) Value: 447 mg/m³</p> <p>Group: Consumer Route of exposure: Long-term dermal (systemic) Value: 149 mg/kg bw/day</p> <p>Group: Consumer Route of exposure: Long-term oral (systemic) Value: 149 mg/kg bw/day</p>
Substance	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclic, <5% n-hexane
DNEL	<p>Group: Professional Route of exposure: Long-term dermal (systemic) Value: 733 mg/kg bw/day</p> <p>Group: Professional Route of exposure: Long-term inhalation (systemic) Value: 2035 mg/m³</p> <p>Group: Consumer Route of exposure: Long-term dermal (systemic) Value: 699 mg/kg bw/day</p> <p>Group: Consumer Route of exposure: Long-term inhalation (systemic) Value: 608 mg/m³</p> <p>Group: Consumer Route of exposure: Long-term oral (systemic) Value: 699 mg/kg bw/day</p>

8.2. Exposure controls**Precautionary measures to prevent exposure**

Appropriate engineering controls	See section 7.1, 7.2
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Eye / face protection

Eye protection equipment	<p>Description: Tightly fitting safety goggles Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.</p> <p>Reference to relevant standard: SFS-EN ISO 4007:2018</p>
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SFS-EN ISO 16321-1:2022
 SFS-EN ISO 18526-1:2020
 SFS-EN ISO 16321-3:2022
 SFS-EN ISO 16321-2:2021
 SFS-EN ISO 18526-3:2020
 SFS-EN ISO 18526-2:2020
 SFS-EN ISO 18526-4:2020
 SFS-EN ISO 19734:2021
 SFS-EN 13911:2017
 SFS-EN 16473
 SFS-EN 167
 SFS-EN 168
 SFS-EN 443

Hand protection

Breakthrough time

Comments: As the product is a mixture of several substances, the durability of the glove materials cannot be calculated in advance and has to be tested before use. Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact). Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Thickness of glove material

Comments: As the product is a mixture of several substances, the durability of the glove materials cannot be calculated in advance and has to be tested before use.

Hand protection equipment

Description: Protective gloves Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. It is good practice in industrial hygiene to avoid contact with solvents by using appropriate protective measures whenever possible.

Reference to relevant standard: SFS-EN ISO 374-1:2017

SFS-EN ISO 374-5:2017

SFS-EN 511

SFS-EN 659 + A1

SFS-EN 1082-1

SFS-EN 1082-2

SFS-EN 1082-3

SFS-EN 14325:2018

SFS-EN 16350

Skin protection

Recommended protective clothing

Description: Protective clothing Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. It is good practice in industrial hygiene to avoid contact with solvents by using appropriate protective measures whenever possible.

Reference to relevant standard: SFS-EN 863

SFS-EN 1149-2

SFS-EN 1149-3

SFS-EN 13034 + A1

SFS-EN 16689:2017

SFS-EN ISO 6530

CEN ISO/TR 11610

SFS-EN ISO 11612
SFS-EN ISO 13688
SFS-EN ISO 13982-1
SFS-EN ISO 13982-2
SFS-EN ISO 13995
SFS-EN ISO 13997
SFS-EN ISO 14116
SFS-EN 15090
CEN ISO/TR 18690

Respiratory protection

Recommended respiratory protection

Description: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. Use respirator when performing operations involving potential exposure to vapour of the product. In case of inadequate ventilation wear respiratory protection. The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used.

Reference to relevant standard: SFS-EN ISO 16972:2020

SFS-EN 13274-1
SFS-EN 148-1:2019
SFS-EN 144-1:2018
SFS-EN 14593-1:2018
SFS-EN 1146
SFS-EN 12021
SFS-EN 12083 + AC
SFS-EN 12941 + A1 + A2
SFS-EN 12942 + A1 + A2
SFS-EN 13274-2:2019
SFS-EN 13274-4:2020
SFS-EN 13274-5
SFS-EN 13274-6
SFS-EN 13274-3
SFS-EN 13274-8
SFS-EN 13274-5
SFS-EN 13274-7:2019
SFS-EN 134
SFS-EN 135
SFS-EN 136 + AC
SFS-EN 137
SFS-EN 13794
SFS-EN 138
SFS-EN 140 + AC
SFS-EN 142
SFS-EN 143:2021
SFS-EN 14387:2021
SFS-EN 144-3 + AC
SFS-EN 144-2:2018
SFS-EN 14435
SFS-EN 145/A1
SFS-EN 145

SFS-EN 14529
 SFS-EN 14594:2018
 SFS-EN 148-2
 SFS-EN 148-3
 SFS-EN 149 + A1
 SFS-EN 15333-2
 SFS-EN 1825-2
 SFS-EN 1827 + A1
 SFS-EN 250
 SFS-EN 269
 SFS-EN 402
 SFS-EN 403
 SFS-EN 404
 SFS-EN 405 + A1
 SFS-EN 529

Thermal hazards

Thermal hazards	Not applicable.
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Appropriate environmental exposure control

Environmental exposure controls	See section 6.2
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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	Liquid
Colour	clear
Odour	hydrocarbon-like
Odour limit	Reason for waiving data: No data.
pH	Comments: This information is not available.
Melting point / melting range	Reason for waiving data: No data.
Boiling point / boiling range	Reason for waiving data: No data.
Flash point	Reason for waiving data: No data.
Flammability	This information is not available.
Lower explosion limit with unit of measurement	Reason for waiving data: No data.
Upper explosion limit with units of measurement	Reason for waiving data: No data.
Vapour pressure	Reason for waiving data: No data.
Vapour density	Reason for waiving data: No data.
Particle characteristics	Reason for waiving data: Not applicable
Relative density	Reason for waiving data: No data.
Density	Reason for waiving data: No data.

Solubility	Comments: This information is not available.
Partition coefficient: n-octanol/ water	Reason for waiving data: No data.
Auto-ignition temperature	Reason for waiving data: No data.
Decomposition temperature	Reason for waiving data: Not applicable
Viscosity	Type: Kinematic Reason for waiving data: No data.

9.2. Other information

Other physical and chemical properties

Physical and chemical properties	This information is not available.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	See section 5.2
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10.2. Chemical stability

Stability	Stable
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	See section 5.2
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10.4. Conditions to avoid

Conditions to avoid	See section 7.1, 7.2
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10.5. Incompatible materials

Materials to avoid	See section 7.1, 7.2
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10.6. Hazardous decomposition products

Hazardous decomposition products	See section 5.2
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SECTION 11: Toxicological information

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

Substance	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclic
Acute toxicity	Effect tested: LD50 Route of exposure: Oral Value: > 5840 mg/kg Animal test species: Rat Effect tested: LD50 Route of exposure: Dermal

	<p>Method: OECD 402 Value: > 2920 mg/kg Animal test species: Rat</p> <p>Effect tested: LC50 Route of exposure: Inhalation. Method: OECD 403 Duration: 4 hour(s) Value: > 23,3 mg/l Animal test species: Rat</p>
Substance	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclic, <5% n-hexane
Acute toxicity	<p>Effect tested: LC50 Route of exposure: Inhalation. Duration: 4 hour(s) Value: > 25,2 mg/l Animal test species: Rat</p> <p>Effect tested: LD50 Route of exposure: Dermal Value: > 2920 mg/kg</p>
Substance	Propan-2-ol
Acute toxicity	<p>Effect tested: LD50 Route of exposure: Oral Value: > 2000 mg/kg Animal test species: Rat</p> <p>Effect tested: LD50 Route of exposure: Dermal Value: > 2000 mg/kg Animal test species: Rabbit</p> <p>Effect tested: LC50 Route of exposure: Inhalation. Duration: 8 hour(s) Value: > 20 mg/l Animal test species: Rat</p>

Other information regarding health hazards

Assessment of acute toxicity, classification	Based on available data, the classification criteria are not met.
Assessment of skin corrosion / irritation, classification	Irritating to skin.
Assessment of eye damage or irritation, classification	Causes serious eye irritation.
Assessment of respiratory sensitisation, classification	Based on available data, the classification criteria are not met.
Assessment of skin sensitisation, classification	Based on available data, the classification criteria are not met.
Assessment of germ cell mutagenicity, classification	Based on available data, the classification criteria are not met.

Assessment of carcinogenicity, classification	Based on available data, the classification criteria are not met.
Assessment of reproductive toxicity, classification	Based on available data, the classification criteria are not met.
Assessment of specific target organ toxicity - single exposure, classification	May cause drowsiness or dizziness.
Assessment of specific target organ toxicity - repeated exposure, classification	Based on available data, the classification criteria are not met.
Assessment of aspiration hazard, classification	Aspiration hazard if swallowed - can enter lungs and cause damage.

Symptoms of exposure

In case of ingestion	See section 4.2
In case of skin contact	See section 4.2
In case of inhalation	See section 4.2
In case of eye contact	See section 4.2

11.2 Other information

Endocrine disruption	This information is not available.
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SECTION 12: Ecological information

12.1. Toxicity

Substance	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclic
Aquatic toxicity, fish	<p>Toxicity type: Acute Value: 13,4 mg/l Effect dose concentration: LL50 Method: WAF (OECD 203)</p> <p>Toxicity type: Chronic Value: 1,53 mg/l Effect dose concentration: NOELR Test duration: 28 day(s) Species: Early-life Stage Method: QSAR</p>
Substance	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclic, <5% n-hexane
Aquatic toxicity, fish	<p>Toxicity type: Acute Value: 11,4 mg/l Effect dose concentration: LL50 Test duration: 96 hour(s) Species: Oncorhynchus mykiss</p>
Substance	Propan-2-ol
Aquatic toxicity, fish	<p>Toxicity type: Acute Value: 6550 - 11300 mg/l</p>

Substance	Effect dose concentration: LC50 Test duration: 96 hour(s)
Aquatic toxicity, algae	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclic Toxicity type: Acute Value: 10 - 30 mg/l Effect dose concentration: EL50 Test duration: 72 hour(s) Method: WAF (OECD 201, EU Method C.3) Toxicity type: Acute Value: 10 mg/l Effect dose concentration: NOELR Test duration: 72 hour(s) Method: WAF (OECD 201, EU Method C.3)
Substance	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclic, <5% n-hexane
Aquatic toxicity, algae	Toxicity type: Acute Value: 3 mg/l Effect dose concentration: NOELR Test duration: 72 hour(s) Species: Pseudokirchneriella subcapitata Toxicity type: Acute Value: 30 - 100 mg/l Effect dose concentration: EL50 Test duration: 72 hour(s) Species: Pseudokirchneriella subcapitata
Substance	Propan-2-ol
Aquatic toxicity, algae	Toxicity type: Acute Value: > 1000 mg/l Effect dose concentration: EC50 Test duration: 72 hour(s)
Substance	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclic
Aquatic toxicity, crustacean	Toxicity type: Acute Value: 3 mg/l Effect dose concentration: EL50 Test duration: 48 hour(s) Method: WAF (OECD 202, EU Method C.2) Toxicity type: Chronic Value: 1 mg/l Effect dose concentration: NOELR Test duration: 21 day(s) Method: WAF (OECD 211) Toxicity type: Chronic Value: 0,17 mg/l Effect dose concentration: NOEC Test duration: 21 day(s) Method: WAF (OECD 211) Toxicity type: Chronic

	Value: 0,32 mg/l Effect dose concentration: LOEC Test duration: 21 day(s) Method: WAF (OECD 211)
Substance	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclic, <5% n-hexane
Aquatic toxicity, crustacean	Toxicity type: Acute Value: 3 mg/l Effect dose concentration: EL50 Test duration: 48 hour(s) Species: Daphnia magna
	Toxicity type: Acute Value: 0,17 mg/l Effect dose concentration: NOEC Test duration: 504 hour(s) Species: Daphnia magna
Substance	Propan-2-ol
Aquatic toxicity, crustacean	Toxicity type: Acute Value: ~ 9700 mg/l Effect dose concentration: EC50 Test duration: 24 hour(s) Species: Daphnia magna

12.2. Persistence and degradability

Substance	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclic
Biodegradability	Method: OECD 301 F, EU Method C.4-D Comments: Rapidly biodegradable.
Substance	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclic, <5% n-hexane
Biodegradability	Value: 81 % Test period: 28 day(s)
Substance	Propan-2-ol
Biodegradability	Comments: Readily biodegradable
Substance	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclic
Abiotic degradation in air	Evaluation: May decompose on exposure to light.

12.3. Bioaccumulative potential

Bioaccumulation, evaluation	This information is not available.
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12.4. Mobility in soil

Substance	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclic
Surface tension	Value: 22 mN/m Test reference: Wilhelmy plate method Temperature: 25 °C
Substance	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclic

Water / air volatility rate	Comments: Volatile.
Substance	Propan-2-ol
Water / air volatility rate	Comments: Volatile.
Substance	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclic
Soil / air volatility rate	Comments: Volatile.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	This information is not available.
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12.6. Endocrine disrupting properties

Endocrine disrupting properties	This information is not available.
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12.7. Other adverse effects

Additional ecological information	This information is not available.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate methods of disposal for the chemical	Dispose of product residue in accordance with the instructions of the person responsible for waste disposal. Avoid putting the substance into waste water.
Appropriate methods of disposal for the contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal. Where possible recycling is preferred to disposal.
EU Regulations	Directive 2008/98/EC of the European Parliament and of the Council on waste and repealing certain Directives

SECTION 14: Transport information

14.1. UN number

ADR/RID/ADN	3295
IMDG	3295
ICAO/IATA	3295

14.2. UN proper shipping name

Proper shipping name English ADR/RID/ADN	HYDROCARBONS, LIQUID, N.O.S.
ADR/RID/ADN	HYDROCARBONS, LIQUID, N.O.S.
IMDG	HYDROCARBONS, LIQUID, N.O.S.
ICAO/IATA	HYDROCARBONS, LIQUID, N.O.S.

14.3. Transport hazard class(es)

ADR/RID/ADN	3
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Classification code ADR/RID/ADN	F1
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14.4. Packing group

ADR/RID/ADN	II
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IMDG	II
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ICAO/IATA	II
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14.5. Environmental hazards

Comments	Yes
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14.6. Special precautions for user

Special safety precautions for user	This information is not available.
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14.7. Maritime transport in bulk according to IMO instruments

Product name	HYDROCARBONS, LIQUID, N.O.S.
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Additional information

Hazard label ADR/RID/ADN	3
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Hazard label IMDG	3
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Hazard label ICAO/IATA	3
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ADR/RID Other information

Tunnel restriction code	D/E
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Transport category	2
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Hazard No.	33
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IMDG Other information

EmS	F-E, S-D
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SECTION 15: Regulatory information

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

Legislation and regulations	Regulation (EC) No 648/2004 of the European Parliament and of the Council on detergents The rules which cover amongst other things the requirement for ventilation, protective clothing, personal protective equipment etc. can be obtained from the National Occupational Health and Safety Board.
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15.2. Chemical safety assessment

Chemical safety assessment performed	No
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SECTION 16: Other information

List of relevant H-phrases (Section 2 and 3)	<p>H225 Highly flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. H411 Toxic to aquatic life with long lasting effects.</p>
CLP classification, notes	Calculation method.
Training advice	Provide adequate information, instruction and training for operators. Take notice of the directions of use on the label. To avoid risks to man and the environment, comply with the instructions for use.
Key literature references and sources for data	<p>Information taken from reference works and the literature. http://echa.europa.eu http://eur-lex.europa.eu http://echa-term.echa.europa.eu Ingredient Safety Data Sheets</p>
Abbreviations and acronyms used	<p>CAS = Chemical Abstracts Service CLP = Classification, Labelling and Packaging DMEL = derived minimal effect level DNEL = derived no-effect level EC50 = The effective concentration of substance that causes 50% of the maximum response. ECHA = European Chemicals Agency EINECS = European Inventory of Existing Commercial Chemical Substances ELINCS = European List of Notified Chemical Substances EEA = European Economic Area EU = European Union EC number = The three European lists of substances from the previous EU chemicals regulatory framework, EINECS, ELINCS and the NLP-list, in combination are called the EC Inventory. The EC Inventory is the source for the seven-digit EC number, an identifier of substances commercially available within the European Union. GHS = Global Harmonised System SDS = safety data sheet LC50 = median lethal concentration LDx = lethal dose x% LOAEC = lowest observed adverse effect concentration LOAEL = lowest observed adverse effect level LOEC = lowest observed effect concentration LOEL = lowest observed effect level NOAEC = no observed adverse effect concentration NOAEL = no observed adverse effect level NOEC = no observed effect concentration NOEL = no observed effect level PBT = persistent, bioaccumulative and toxic PNEC = predicted no-effect concentration ppm = parts per million QSAR = quantitative structure-activity relationship REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals STOT = specific target organ toxicity</p>

	UFI = unique formula identifier vPvB = very persistent and very bioaccumulative
Information added, deleted or revised	Relevant changes compared to the previous version of the safety data sheet are indicated with verticle lines in the left margin.
Version	1