HG limescale remover concentrate

Safety Data Sheet

According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law, and based on EU 2020/878.
Issue date: 05/07/2024 Version: 1.0

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

1.1. Product identifier

Product form	:	Mixture
Product name	:	HG limescale remover concentrate
Product code	:	100 ART
Type of product	:	Detergent
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
Function or use category	:	Descaling products

1.2.2. Uses advised against

Restrictions on use	:	All other uses not recommended above

1.3. Details of the supplier of the safety data sheet

Manufacturer
HG International B.V.
P.J. Oudweg 41
NL– 1314 CJ Almere
The Netherlands
T +31 (0)36 54 94 700
safety@hg.eu - www.hg.eu

Distributor
HG UKI LTD
Weston Business Centre
Parsonage Road
UK– CM22 6PU Takeley – Essex
United Kingdom
T +44 (0) 1206 822 744
www.hg.eu

1.4. Emergency telephone number

Emergency number : +31 (0)36 54 94 777
Only for medical personnel
Mon-Fri 09:00 AM - 05:00 PM (CEST)

Country/Area	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH	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	+44 20 7188 7188	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to GB CLP (SI 2019:720 as amended)

Acute toxicity (oral), Category 4	H302
Skin corrosion/irritation, Category 1, Sub-Category 1B	H314
Serious eye damage/eye irritation, Category 1	H318

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

Adverse physicochemical, human health and environmental effects

Harmful if swallowed. Causes severe skin burns and eye damage. Causes serious eye damage.

2.2. Label elements

Labelling according to GB CLP (SI 2019:720 as amended)

Hazard pictograms (GB CLP) :

GHS05 GHS07

Signal word (GB CLP) : Danger

Contains : Phosphoric acid; oxalic acid; Isotridecanol, ethoxylated

Hazard statements (GB CLP) : H302 - Harmful if swallowed.
H314 - Causes severe skin burns and eye damage.

Precautionary statements (GB CLP) : P101 - If medical advice is needed, have product container or label at hand.
P102 - Keep out of reach of children.
P270 - Do not eat, drink or smoke when using this product.
P280 - Wear protective gloves, eye protection.
P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501 - Dispose of contents and container to an approved waste disposal plant.

Child-resistant fastening : Applicable

Tactile warning : Applicable

2.3. Other hazards

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with UK REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of UK REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in GB BPR and GB PPP at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Labelling according to GB CLP (SI 2019:720 as amended)
Water	CAS-No.: 7732-18-5 EC-No.: 231-791-2	≥ 50 – < 75	Not classified
Phosphoric acid	CAS-No.: 7664-38-2 EC-No.: 231-633-2 REACH-no: 01-2119485924-24	≥ 15 – < 25	Acute Tox. 4 (Oral), H302 (ATE=301 mg/kg bodyweight) Skin Corr. 1B, H314
D-gluconic acid	CAS-No.: 526-95-4 EC-No.: 208-401-4 REACH-no: 01-2119454394-36	≥ 2 – < 5	Not classified
propan-2-ol; isopropyl alcohol; isopropanol	CAS-No.: 67-63-0 EC-No.: 200-661-7 UK Index-No.: 603-117-00-0 REACH-no: 01-2119457558-25	≥ 2 – < 5	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336

Name	Product identifier	%	Labelling according to GB CLP (SI 2019:720 as amended)
Isotridecanol, ethoxylated	CAS-No.: 69011-36-5 EC-No.: 500-241-6	≥ 1 – < 2	Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Eye Dam. 1, H318
oxalic acid	CAS-No.: 144-62-7 EC-No.: 205-634-3 REACH-no: 01-2119534576-33	≥ 1 – < 2	Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Acute Tox. 4 (Dermal), H312 (ATE=1100 mg/kg bodyweight) Eye Dam. 1, H318
Alkyl(hydrogenatedcastoroil)EO(>20)	CAS-No.: 61788-85-0 EC-No.: 500-147-5	≥ 0.01 – < 0.1	Not classified
Benzyl acetate	CAS-No.: 140-11-4 EC-No.: 205-399-7 REACH-no: 01-2119638272-42	≥ 0.001 – < 0.01	Aquatic Chronic 3, H412
(R)-p-mentha-1,8-diene; d-limonene	CAS-No.: 5989-27-5 EC-No.: 227-813-5 UK Index-No.: 601-096-00-2 REACH-no: 01-2119529223-47	≥ 0.001 – < 0.01	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2-methylundecanal	CAS-No.: 110-41-8 EC-No.: 203-765-0 REACH-no: 01-2119969443-29	< 0.01	Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Pentyl salicylate	CAS-No.: 2050-08-0 EC-No.: 218-080-2 REACH-no: 01-2119969444-27	< 0.01	Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Aquatic Acute 1, H400 Aquatic Chronic 1, H410
cineole	CAS-No.: 470-82-6 EC-No.: 207-431-5 REACH-no: 01-2119967772-24	< 0.01	Flam. Liq. 3, H226 Skin Sens. 1B, H317
linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalool	CAS-No.: 78-70-6 EC-No.: 201-134-4 UK Index-No.: 603-235-00-2 REACH-no: 01-2119474016-42	≥ 0.001 – < 0.01	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317
Distillates (petroleum), solvent-dewaxed light paraffinic; Baseoil— unspecified; [A complex comination of hydrocarbons obtained by removal of normal paraffins from a petroleum fraction by solvent crystallization. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100 °F (19cSt at 40 °C).]	CAS-No.: 64742-56-9 EC-No.: 265-159-2 REACH-no: 01-2119480132-48	< 0.001	Asp. Tox. 1, H304
Dodecanal	CAS-No.: 112-54-9 EC-No.: 203-983-6 REACH-no: 01-2119969441-33	< 0.001	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317

Name	Product identifier	%	Labelling according to GB CLP (SI 2019:720 as amended)
Anethole	CAS-No.: 104-46-1 EC-No.: 203-205-5 REACH-no: 01-2119979097-22	< 0.001	Skin Sens. 1, H317
[3R-(3α,3aβ,7β,8aα)]-2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene	CAS-No.: 469-61-4 EC-No.: 207-418-4	< 0.001	Skin Irrit. 2, H315 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2-methyl-4-isopropyldihydrocinnamaldehyde	CAS-No.: 103-95-7 EC-No.: 203-161-7 REACH-no: 01-2119970582-32	< 0.001	Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 3, H412
2,4-dimethylcyclohexene-3-carbaldehyde	CAS-No.: 68039-49-6 EC-No.: 268-264-1 REACH-no: 01-2119982384-28	< 0.001	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 2, H411
7-methyl-3-methyleneocta-1,6-diene	CAS-No.: 123-35-3 EC-No.: 204-622-5 REACH-no: 01-2119514321-56	< 0.001	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
Pin-2(3)-ene	CAS-No.: 80-56-8 EC-No.: 201-291-9 REACH-no: 01-2119519223-49	< 0.001	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
L-beta-pinene	CAS-No.: 18172-67-3 EC-No.: 242-060-2 REACH-no: 01-2119519230-54	< 0.001	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
1-(5,6,7,8-tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthyl)ethan-1-one	CAS-No.: 21145-77-7 EC-No.: 244-240-6 REACH-no: 01-2119921100-61	< 0.001	Acute Tox. 4 (Oral), H302 (ATE=920 mg/kg bodyweight) Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Coumarin	CAS-No.: 91-64-5 EC-No.: 202-086-7 REACH-no: 01-2119949300-45	< 0.001	Acute Tox. 4 (Oral), H302 (ATE=680 mg/kg bodyweight) Skin Sens. 1, H317
Citronellol	CAS-No.: 106-22-9 EC-No.: 203-375-0 REACH-no: 01-2119453995-23	< 0.001	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317
Eugenol	CAS-No.: 97-53-0 EC-No.: 202-589-1 REACH-no: 01-2119971802-33	< 0.001	Eye Irrit. 2, H319 Skin Sens. 1, H317

Name	Product identifier	%	Labelling according to GB CLP (SI 2019:720 as amended)
geraniol; (2E)-3,7-dimethylocta-2,6-dien-1-ol	CAS-No.: 106-24-1 EC-No.: 203-377-1 UK Index-No.: 603-241-00-5 REACH-no: 01-2119552430-49	< 0.001	Skin Sens. 1, H317
Evernia Prunastri extract	CAS-No.: 9000-50-4	< 0.001	Skin Sens. 1, H317

Specific concentration limits:		
Name	**Product identifier**	**Specific concentration limits (%)**
Isotridecanol, ethoxylated	CAS-No.: 69011-36-5 EC-No.: 500-241-6	(1 ≤ C < 10) Eye Irrit. 2, H319 (100 ≤ C < 100) Eye Dam. 1, H318

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 general : If you feel unwell, seek medical advice (show the label where possible). Call a physician immediately.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. Do not remove clothing if it sticks to the skin. Rinse skin with water/shower. Take off immediately all contaminated clothing. Call a physician immediately.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.

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

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

Symptoms/effects after inhalation : Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard.

Symptoms/effects after skin contact : Burns.

Symptoms/effects after eye contact : Serious damage to eyes.

Symptoms/effects after ingestion : Burns.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Explosion hazard : Intense heat may cause container to burst.

Reactivity in case of fire : Corrosive vapours.

Hazardous decomposition products in case of fire : Carbon monoxide. Carbon dioxide. Phosphorus oxides.

5.3. Advice for firefighters

Precautionary measures fire : Runoff from fire control or dilution water may cause pollution.

Firefighting instructions	:	Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection. Control run-off water by containing and keeping it out of sewers and watercourses.
Protection during firefighting	:	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	:	Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage.

6.1.1. For non-emergency personnel

Protective equipment	:	Wear recommended personal protective equipment.
Emergency procedures	:	Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe mist, vapours.

6.1.2. For emergency responders

Protective equipment	:	Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures	:	Evacuate unnecessary personnel. Stop leak if safe to do so.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment	:	Stop leak if safe to do so. Do not touch or walk on the spilled product. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods for cleaning up	:	Take up liquid spill into absorbent material.
Other information	:	Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For disposal of contaminated materials refer to section 13 : "Disposal considerations".

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed	:	Not expected to present a significant hazard under anticipated conditions of normal use.
Precautions for safe handling	:	Ensure good ventilation of the work station. Avoid contact with skin and eyes. Do not breathe mist, vapours. Wear personal protective equipment.
Hygiene measures	:	Remove contaminated clothes. Wash contaminated clothing before reuse. 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

Technical measures	:	Keep in a cool, well-ventilated place away from heat.
Storage conditions	:	Store in dry, cool, well-ventilated area. Store locked up. Protect from freezing.
Incompatible materials	:	Keep away from (strong) bases.
Storage temperature	:	> 0 – < 30 °C
Heat and ignition sources	:	Keep away from heat and direct sunlight. No flames. Eliminate all sources of ignition.
Special rules on packaging	:	Keep only in original container. Opened containers must be carefully closed and kept upright to avoid leakage.
Packaging materials	:	Store always product in container of same material as original container.

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

Phosphoric acid (7664-38-2)	
United Kingdom - Occupational Exposure Limits	
Local name	Orthophosphoric acid
WEL TWA (OEL TWA)	1 mg/m³
WEL STEL (OEL STEL)	2 mg/m³
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

oxalic acid (144-62-7)	
United Kingdom - Occupational Exposure Limits	
Local name	Oxalic acid
WEL TWA (OEL TWA)	1 mg/m³
WEL STEL (OEL STEL)	2 mg/m³
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

propan-2-ol; isopropyl alcohol; isopropanol (67-63-0)	
United Kingdom - Occupational Exposure Limits	
Local name	Propan-2-ol
WEL TWA (OEL TWA)	999 mg/m³
	400 ppm
WEL STEL (OEL STEL)	1250 mg/m³
	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

Appropriate engineering controls:
Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Personal protective equipment - Report preview:
Safety glasses. Gloves. Protective clothing.

Personal protective equipment symbol(s):

8.2.2.1. Eye and face protection

Eye protection - Report preview:
Safety glasses

Eye protection			
Type	**Field of application**	**Characteristics**	**Standard**
Safety glasses with side shields	Normal use conditions		EN 166
Chemical goggles or face shield	Droplet		EN 166

8.2.2.2. Skin protection

Skin and body protection	
Type	**Standard**
Chemical resistant safety shoes	EN ISO 20345
Use chemically protective clothing	EN 14605

Hand protection - Report preview:
Protective gloves

Hand protection					
Type	**Material**	**Permeation**	**Thickness (mm)**	**Penetration**	**Standard**
Disposable gloves	Nitrile rubber (NBR)	6 (> 480 minutes)	0.35		EN ISO 374
Disposable gloves	Butyl rubber	6 (> 480 minutes)	0.5		EN ISO 374

8.2.2.3. Respiratory protection

No additional information available

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:
Avoid release to the environment.

Other information:
Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Colour	:	Colourless.
Odour	:	Fresh.
Odour threshold	:	Not available
Melting point	:	Not applicable
Freezing point	:	Not available
Boiling point	:	Not available
Flammability	:	Non flammable.
Explosive limits	:	Not available

Flash point	:	> 100 °C Not sustained combustibility
Auto-ignition temperature	:	Not available
Decomposition temperature	:	Not available
pH	:	0.3
Viscosity, kinematic	:	Not available
Solubility	:	Not available
Partition coefficient n-octanol/water (Log Kow)	:	Not available
Vapour pressure	:	Not available
Vapour pressure at 50°C	:	Not available
Density	:	Not available
Relative density	:	1.14
Relative vapour density at 20°C	:	Not available
Particle characteristics	:	Not applicable

Water (7732-18-5)	
Boiling point	100 °C
Vapour pressure	2300 Pa 25°C

Phosphoric acid (7664-38-2)	
Boiling point	296.5 °C
Vapour pressure	< 0.001 Pa 25°C

D-gluconic acid (526-95-4)	
Boiling point	673.6 °C
Flash point	> 200 °C

oxalic acid (144-62-7)	
Boiling point	149 °C
Vapour pressure	0.000234 mm Hg Temp.: 25 °C

Alkyl(hydrogenatedcastoroil)EO(>20) (61788-85-0)	
Boiling point	348 °C Remarks on result: 'other:'
Vapour pressure	0 Pa Temp.: 25 °C Remarks on result: 'other:'

Isotridecanol, ethoxylated (69011-36-5)	
Boiling point	> 280 °C Atm. press.: 101 kPa Decomposition: 'no' Remarks on result: 'other:'
Flash point	138 °C Atm. press.: 1013 hPa Remarks on result: 'other:'

Dodecanal (112-54-9)	
Boiling point	215.85 °C Atm. press.: 101,325 kPa Decomposition: 'no'
Flash point	115.5 °C Atm. press.: 101325 Pa Remarks on result: 'other:'
Vapour pressure	0.7 Pa Temp.: 20 °C

2-methylundecanal (110-41-8)	
Boiling point	230.85 °C Atm. press.: 101,325 kPa Decomposition: 'no' Remarks on result: 'other:'
Flash point	68.5 °C Atm. press.: 101325 Pa Remarks on result: 'other:'

Pentyl salicylate (2050-08-0)	
Boiling point	270 °C Source: ChemIDplus
Flash point	126 °C Atm. press.: 101,325 kPa
Vapour pressure	0.24 Pa Temp.: 20 °C

Anethole (104-46-1)	
Boiling point	235 °C
Flash point	> 100 °C Source: GESTIS
Vapour pressure	0.037 mm Hg

Benzyl acetate (140-11-4)	
Boiling point	213.5 °C Atm. press.: 101325 Pa
Flash point	102 °C Atm. press.: 101325 Pa
Auto-ignition temperature	460 °C
Vapour pressure	190 mm Hg

Citronellol (106-22-9)	
Boiling point	223.8 °C Atm. press.: 1013 hPa
Flash point	107 °C Atm. press.: 1013 hPa
Auto-ignition temperature	240 °C Source: ECHA
Vapour pressure	9 Pa 25°C

Coumarin (91-64-5)	
Boiling point	301.7 °C
Flash point	162 °C Atm. press.: 1 atm Remarks on result: 'other:'
Vapour pressure	0.13034 Pa 25°C

2-methyl-4-isopropyldihydrocinnamaldehyde (103-95-7)	
Boiling point	234 °C Atm. press.: 101,325 kPa
Flash point	79.5 °C Atm. press.: 101325 Pa
Vapour pressure	0.3 Pa Temp.: 20 °C

cineole (470-82-6)	
Boiling point	177 °C Atm. press.: 101,325 kPa Decomposition: 'no'
Flash point	52 °C Remarks on result: 'other:'
Vapour pressure	122 Pa Temp.: 20 °C

Eugenol (97-53-0)	
Boiling point	248 °C Atm. press.: 755 mm Hg
Flash point	124 °C Atm. press.: 1 atm
Auto-ignition temperature	380 °C Source: ECHA

Eugenol (97-53-0)	
Vapour pressure	0.03999672 hPa Temp.: 25 °C Remarks on result: 'other:'

geraniol; (2E)-3,7-dimethylocta-2,6-dien-1-ol (106-24-1)	
Boiling point	229 °C
Flash point	108 °C Atm. press.: 1013 hPa
Vapour pressure	4.6 Pa 25°C

2,4-dimethylcyclohexene-3-carbaldehyde (68039-49-6)	
Boiling point	196 °C
Flash point	70 °C Atm. press.: 101325 Pa
Vapour pressure	36 Pa Temp.: 20 °C

(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)	
Boiling point	175 °C
Flash point	51 °C Atm. press.: 1 atm
Auto-ignition temperature	245 °C Source: ECHA Registered substances
Vapour pressure	200 Pa Temp.: 298 K Remarks on result: 'other:'

linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalool (78-70-6)	
Boiling point	196.3 °C Atm. press.: 99,2 kPa Decomposition: 'no' Decomp. temp.: 196,3 °C Remarks on result: 'other:'
Flash point	≈ 77.2 °C Atm. press.: 101,3 kPa
Auto-ignition temperature	235 °C Source: International Chemical Safety Cards
Vapour pressure	27 Pa Temp.: 298 K

7-methyl-3-methyleneocta-1,6-diene (123-35-3)	
Boiling point	167 °C
Flash point	≈ 45 °C Atm. press.: 1 atm
Vapour pressure	267.98 Pa Temp.: 25 °C Remarks on result: 'other:'

Pin-2(3)-ene (80-56-8)	
Boiling point	155 °C
Flash point	31 °C Atm. press.: 1 atm
Auto-ignition temperature	255 °C
Vapour pressure	690 Pa 25°C

L-beta-pinene (18172-67-3)	
Boiling point	162 – 167 °C
Flash point	39 °C Atm. press.: 1 atm
Vapour pressure	2 mm Hg

1-(5,6,7,8-tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthyl)ethan-1-one (21145-77-7)	
Boiling point	326 °C Atm. press.: 1 atm Decomposition: 'no'
Flash point	> 100 °C
Vapour pressure	0.0682 Pa Temp.: 25 °C Remarks on result: 'other:'

propan-2-ol; isopropyl alcohol; isopropanol (67-63-0)	
Boiling point	82 °C
Flash point	12 °C Remarks on result: 'other:'
Auto-ignition temperature	12 °C
Vapour pressure	4400 Pa 25°C

Evernia Prunastri extract (9000-50-4)	
Flash point	110.5 °C Atm. press.: 1013 hPa

9.2. Other information

9.2.1. Information with regard to physical hazard classes

Not sustained combustibility : Yes

9.2.2. Other safety characteristics

No additional information available

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

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Keep away from (strong) bases.

10.5. Incompatible materials

Attacks many metals releasing highly flammable gas (hydrogen) which generates fire or explosion hazards. Slightly reactive or incompatible with the following materials: Alkalines. Strong bases. Oxidizing materials.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Harmful if swallowed.
Acute toxicity (dermal) : Not classified (Conclusive but not sufficient for classification)
Acute toxicity (inhalation) : Not classified (Conclusive but not sufficient for classification)

Water (7732-18-5)	
LD50 oral rat	90000 mg/kg
LD50 oral	> 90000 mg/kg bodyweight
LD50 dermal	> 90000 mg/kg bodyweight
ATE GB CLP (oral)	90000 mg/kg bodyweight

Phosphoric acid (7664-38-2)	
LD50 oral rat	1.25 g/kg
LD50 oral	301 mg/kg
LD50 dermal rabbit	2740 mg/kg Source: ECHA
ATE GB CLP (oral)	301 mg/kg bodyweight
ATE GB CLP (dermal)	2740 mg/kg bodyweight

D-gluconic acid (526-95-4)	
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)

oxalic acid (144-62-7)	
LD50 oral rat	375 mg/kg
LD50 dermal rabbit	20000 mg/kg bodyweight Animal: rabbit
ATE GB CLP (oral)	500 mg/kg bodyweight
ATE GB CLP (dermal)	1100 mg/kg bodyweight

Alkyl(hydrogenatedcastoroil)EO(>20) (61788-85-0)	
LD50 oral rat	> 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 420 (Acute Oral Toxicity - Fixed Dose Method), Guideline: EU Method B.1 bis (Acute Oral Toxicity - Fixed Dose Procedure)

Isotridecanol, ethoxylated (69011-36-5)	
LD50 oral	> 2000 mg/kg bodyweight
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LD50 dermal rabbit	≈ 5960 mg/kg bodyweight Animal: rabbit, Animal sex: male, Remarks on results: other:
ATE GB CLP (oral)	500 mg/kg bodyweight

Dodecanal (112-54-9)	
LD50 oral rat	23100 mg/kg bodyweight Animal: rat
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit
ATE GB CLP (oral)	23100 mg/kg bodyweight

2-methylundecanal (110-41-8)	
LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat
LD50 dermal rabbit	> 10000 mg/kg Source: ChemIDPlus

Pentyl salicylate (2050-08-0)	
LD50 oral rat	≈ 2000 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit, Guideline: EU Method B.3 (Acute Toxicity (Dermal))

Pentyl salicylate (2050-08-0)	
ATE GB CLP (oral)	500 mg/kg bodyweight

Anethole (104-46-1)	
LD50 oral rat	2090 mg/kg Source: NLM,THOMSON
LD50 dermal rabbit	> 5000 mg/kg Source: NLM,THOMSON
ATE GB CLP (oral)	2090 mg/kg bodyweight

Benzyl acetate (140-11-4)	
LD50 oral rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 dermal rabbit	5000 mg/kg
ATE GB CLP (dermal)	5000 mg/kg bodyweight

Citronellol (106-22-9)	
LD50 oral rat	3450 mg/kg Source: National Library of Medicine
LD50 oral	3450 mg/kg bodyweight
LD50 dermal rabbit	2650 mg/kg Source: National Library of Medicine
LD50 dermal	2650 mg/kg bodyweight
ATE GB CLP (oral)	3450 mg/kg bodyweight
ATE GB CLP (dermal)	2650 mg/kg bodyweight

Coumarin (91-64-5)	
LD50 oral	680 mg/kg bodyweight
ATE GB CLP (oral)	680 mg/kg bodyweight

2-methyl-4-isopropyldihydrocinnamaldehyde (103-95-7)	
LD50 oral rat	2000 – 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 dermal rat	> 5000 mg/kg bodyweight Animal: rat
ATE GB CLP (oral)	2000 mg/kg bodyweight

Eugenol (97-53-0)	
LD50 oral rat	> 2000 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method)
LD50 oral	1500 – 1500 mg/kg bodyweight Animal: mouse, Animal sex: male, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method)
LD50 dermal	> 2000 mg/kg bodyweight
LC50 Inhalation - Rat (Dust/Mist)	> 2580 mg/l
LC50 Inhalation - Rat (Vapours)	> 2580 mg/l
ATE GB CLP (oral)	1500 mg/kg bodyweight

geraniol; (2E)-3,7-dimethylocta-2,6-dien-1-ol (106-24-1)	
LD50 oral rat	3600 mg/kg bodyweight Animal: rat, 95% CL: 2840 - 4570
LD50 dermal rabbit	> 5000 mg/kg bodyweight Animal: rabbit
ATE GB CLP (oral)	3600 mg/kg bodyweight

2,4-dimethylcyclohexene-3-carbaldehyde (68039-49-6)	
LD50 oral rat	3900 mg/kg bodyweight Animal: rat, Guideline: other:, 95% CL: 2900 - 5100
LD50 dermal rabbit	> 5000 mg/kg bodyweight Animal: rabbit, Guideline: other:
ATE GB CLP (oral)	3900 mg/kg bodyweight

(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)	
LD50 oral rat	> 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method)
LD50 oral	4400 mg/kg bodyweight
LD50 dermal rabbit	> 5000 mg/kg Source: National Library of Medicine
LD50 dermal	> 2000 mg/kg bodyweight
ATE GB CLP (oral)	4400 mg/kg bodyweight

linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalool (78-70-6)	
LD50 oral rat	2790 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), Remarks on results: other:, 95% CL: 2440 - 3180
LD50 oral	2790 mg/kg bodyweight
LD50 dermal rabbit	5610 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), 95% CL: 3578 - 8374
LD50 dermal	5610 mg/kg bodyweight
ATE GB CLP (oral)	2790 mg/kg bodyweight
ATE GB CLP (dermal)	5610 mg/kg bodyweight

7-methyl-3-methyleneocta-1,6-diene (123-35-3)	
LD50 oral rat	> 11390 mg/kg bodyweight Animal: rat
LD50 oral	> 3380 mg/kg bodyweight Animal: mouse
LD50 dermal rabbit	> 5000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)

Pin-2(3)-ene (80-56-8)	
LD50 oral rat	2100 mg/kg Source: International Uniform ChemicaL Information Database
LD50 oral	3700 mg/kg bodyweight
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal))
LD50 dermal	> 5000 mg/kg bodyweight
ATE GB CLP (oral)	500 mg/kg bodyweight

1-(5,6,7,8-tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthyl)ethan-1-one (21145-77-7)	
LD50 oral rat	920 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 795 - 1066
LD50 dermal rat	9740 mg/kg Source: NLM; ChemIDplus
ATE GB CLP (oral)	920 mg/kg bodyweight
ATE GB CLP (dermal)	9740 mg/kg bodyweight

propan-2-ol; isopropyl alcohol; isopropanol (67-63-0)	
LD50 oral rat	5840 mg/kg Source: ECHA
LD50 oral	4396 mg/kg bodyweight

propan-2-ol; isopropyl alcohol; isopropanol (67-63-0)	
LD50 dermal rabbit	12800 mg/kg Source: ECHA
LC50 Inhalation - Rat (Dust/Mist)	46600 mg/l
ATE GB CLP (oral)	4396 mg/kg bodyweight
ATE GB CLP (dermal)	12800 mg/kg bodyweight
ATE GB CLP (dust, mist)	46600 mg/l/4h

Evernia Prunastri extract (9000-50-4)	
LD50 oral rat	> 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 420 (Acute Oral Toxicity - Fixed Dose Method), Guideline: EU Method B.1 bis (Acute Oral Toxicity - Fixed Dose Procedure)

Skin corrosion/irritation : Causes severe skin burns.
pH: 0.3

Water (7732-18-5)	
pH	7

Serious eye damage/irritation : Causes serious eye damage.
pH: 0.3

Water (7732-18-5)	
pH	7

Respiratory or skin sensitisation : Not classified (Conclusive but not sufficient for classification)

Germ cell mutagenicity : Not classified (Conclusive but not sufficient for classification)

Carcinogenicity : Not classified (Conclusive but not sufficient for classification)

Benzyl acetate (140-11-4)	
IARC group	3 - Not classifiable

Coumarin (91-64-5)	
IARC group	3 - Not classifiable

Eugenol (97-53-0)	
IARC group	3 - Not classifiable

7-methyl-3-methyleneocta-1,6-diene (123-35-3)	
IARC group	2B - Possibly carcinogenic to humans

geraniol; (2E)-3,7-dimethylocta-2,6-dien-1-ol (106-24-1)	
NOAEL (chronic, oral, animal/male, 2 years)	60 mg/kg bodyweight Animal: mouse, Animal sex: male, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies), Remarks on results: other:

Reproductive toxicity : Not classified (Conclusive but not sufficient for classification)

Pentyl salicylate (2050-08-0)	
NOAEL (animal/male, F0/P)	540 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 415 [One-Generation Reproduction Toxicity Study (before 9 October 2017)]
NOAEL (animal/female, F0/P)	180 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 415 [One-Generation Reproduction Toxicity Study (before 9 October 2017)]

STOT-single exposure : Not classified (Conclusive but not sufficient for classification)

propan-2-ol; isopropyl alcohol; isopropanol (67-63-0)	
STOT-single exposure	May cause drowsiness or dizziness.

STOT-repeated exposure : Not classified (Conclusive but not sufficient for classification)

Alkyl(hydrogenatedcastoroil)EO(>20) (61788-85-0)	
NOAEL (oral, rat, 90 days)	1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test), Remarks on results: other:

Isotridecanol, ethoxylated (69011-36-5)	
NOAEL (oral, rat, 90 days)	≥ 500 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)

Citronellol (106-22-9)	
NOAEL (oral, rat, 90 days)	2000 mg/kg bodyweight Animal: rat, Guideline: other:
NOAEC (inhalation, rat, dust/mist/fume, 90 days)	0.063 mg/l air Animal: rat, Guideline: OECD Guideline 412 (Subacute Inhalation Toxicity: 28-Day Study)

Coumarin (91-64-5)	
NOAEL (subchronic, oral, animal/female, 90 days)	> 138.3 mg/kg bodyweight Animal: mouse, Animal sex: female

cineole (470-82-6)	
NOAEL (oral, rat, 90 days)	600 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: other:, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents), Guideline: EPA OPPTS 870.3150 (90-Day Oral Toxicity in Non-rodents)

Eugenol (97-53-0)	
NOAEL (subchronic, oral, animal/male, 90 days)	≥ 900 mg/kg bodyweight Animal: mouse, Animal sex: male, Guideline: other:
NOAEL (subchronic, oral, animal/female, 90 days)	450 mg/kg bodyweight Animal: mouse, Animal sex: female, Guideline: other:

geraniol; (2E)-3,7-dimethylocta-2,6-dien-1-ol (106-24-1)	
NOAEL (dermal, rat/rabbit, 90 days)	300 mg/kg bodyweight Animal: rat, Guideline: other:, Guideline: other:

2,4-dimethylcyclohexene-3-carbaldehyde (68039-49-6)	
LOAEL (oral, rat, 90 days)	400 mg/kg bodyweight Animal: rat, Guideline: other:

linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalool (78-70-6)	
NOAEL (dermal, rat/rabbit, 90 days)	250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study)

7-methyl-3-methyleneocta-1,6-diene (123-35-3)	
LOAEL (oral, rat, 90 days)	250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEL (subchronic, oral, animal/male, 90 days)	500 mg/kg bodyweight Animal: mouse, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEL (subchronic, oral, animal/female, 90 days)	250 mg/kg bodyweight Animal: mouse, Animal sex: female, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)

Aspiration hazard : Not classified (Conclusive but not sufficient for classification)

Citronellol (106-22-9)	
Viscosity, kinematic	12.984 mm²/s

2,4-dimethylcyclohexene-3-carbaldehyde (68039-49-6)	
Viscosity, kinematic	2243 mm²/s Temp.: '20°C' Parameter: 'kinematic viscosity (in mm²/s)'

linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalool (78-70-6)	
Viscosity, kinematic	5191.86 mm²/s

propan-2-ol; isopropyl alcohol; isopropanol (67-63-0)	
Viscosity, kinematic	2.658 mm²/s

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Adverse health effects 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 substances 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 at a concentration equal to or greater than 0,1 %

11.2.2. Other information

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Before neutralisation, the product may represent a danger to aquatic organisms.

Hazardous to the aquatic environment, short–term (acute) : Not classified (Conclusive but not sufficient for classification)

Hazardous to the aquatic environment, long–term (chronic) : Not classified (Conclusive but not sufficient for classification)

Phosphoric acid (7664-38-2)	
LC50 - Fish [1]	75.1 mg/l Source: ECHA
EC50 - Crustacea [1]	> 100 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	> 100 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)

D-gluconic acid (526-95-4)	
LC50 - Fish [1]	> 100 mg/l Test organisms (species): Oryzias latipes
EC50 - Crustacea [1]	> 1000 mg/l Test organisms (species): Daphnia magna
EC50 96h - Algae [1]	> 1000 mg/l Source: OECD Screening Information Data Set

oxalic acid (144-62-7)	
LC50 - Fish [1]	160 mg/l
EC50 - Crustacea [1]	162.2 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	19.83 – 21.35 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)

Alkyl(hydrogenatedcastoroil)EO(>20) (61788-85-0)	
LC50 - Fish [1]	> 1 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 - Crustacea [1]	> 1 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	> 1 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)

Isotridecanol, ethoxylated (69011-36-5)	
LC50 - Fish [1]	> 1 mg/l
EC50 - Crustacea [1]	1.5 mg/l Test organisms (species): Daphnia magna
EC50 - Other aquatic organisms [1]	> 1 mg/l waterflea

Isotridecanol, ethoxylated (69011-36-5)	
EC50 96h - Algae [1]	11.5 mg/l Source: EPISUITE v4.1

2-methylundecanal (110-41-8)	
LC50 - Fish [1]	0.35 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 - Crustacea [1]	0.21 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	0.11 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 72h - Algae [2]	0.18 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 96h - Algae [1]	0.778 mg/l Source: EPISUITE

Pentyl salicylate (2050-08-0)	
LC50 - Fish [1]	1.34 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 - Crustacea [1]	0.88 mg/l Test organisms (species): Daphnia magna
EC50 96h - Algae [1]	0.55 mg/l Source: ECOSAR

Anethole (104-46-1)	
LC50 - Fish [1]	5.423 mg/l Source: ECOSAR
EC50 96h - Algae [1]	4.332 mg/l Source: ECOSAR

Benzyl acetate (140-11-4)	
LC50 - Fish [1]	4 mg/l Test organisms (species): Oryzias latipes
EC50 - Crustacea [1]	17 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	110 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
EC50 72h - Algae [2]	92 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
NOEC chronic fish	0.92 mg/l Test organisms (species): Oryzias latipes Duration: '28 d'

Citronellol (106-22-9)	
LC50 - Fish [1]	14.66 mg/l Test organisms (species): Leuciscus idus
EC50 - Crustacea [1]	17.48 mg/l Test organisms (species): Daphnia magna
EC50 - Other aquatic organisms [1]	17.48 mg/l waterflea
EC50 - Other aquatic organisms [2]	2.38 mg/l
EC50 72h - Algae [1]	2.4 mg/l Test organisms (species):
EC50 96h - Algae [1]	3.231 mg/l Source: Ecological Structure Activity Relationships

Coumarin (91-64-5)	
LC50 - Fish [1]	56 mg/l
LC50 - Fish [2]	1324 mg/l Test organisms (species):
EC50 - Crustacea [1]	8012 mg/l Test organisms (species): Daphnia sp.
EC50 - Other aquatic organisms [1]	13.5 mg/l waterflea
EC50 96h - Algae [1]	1452 mg/l Test organisms (species):
NOEC (chronic)	0.5 mg/l Test organisms (species): Duration: '21 d'

2-methyl-4-isopropyldihydrocinnamaldehyde (103-95-7)	
LC50 - Fish [1]	1.42 mg/l Test organisms (species):
LC50 - Fish [2]	2.49 mg/l Test organisms (species):
EC50 - Crustacea [1]	1.4 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	4.3 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 72h - Algae [2]	2.7 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 96h - Algae [1]	3.8 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 96h - Algae [2]	2.7 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)

cineole (470-82-6)	
LC50 - Fish [1]	57 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 - Crustacea [1]	> 100 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	> 74 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 96h - Algae [1]	> 74 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)

Eugenol (97-53-0)	
LC50 - Fish [1]	13 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 - Crustacea [1]	1.05 mg/l Test organisms (species): Daphnia magna
EC50 - Other aquatic organisms [1]	1.9 mg/l waterflea
EC50 - Other aquatic organisms [2]	15.4 mg/l

geraniol; (2E)-3,7-dimethylocta-2,6-dien-1-ol (106-24-1)	
LC50 - Fish [1]	≈ 22 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 - Crustacea [1]	10.8 mg/l Test organisms (species): Daphnia magna
EC50 - Other aquatic organisms [1]	10.8 mg/l waterflea
EC50 72h - Algae [1]	13.1 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)

2,4-dimethylcyclohexene-3-carbaldehyde (68039-49-6)	
LC50 - Fish [1]	7.5 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 - Crustacea [1]	22.4 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	28 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
EC50 96h - Algae [1]	5.5 mg/l Source: EPISUITE v4.1

(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)	
LC50 - Fish [1]	720 µg/l Test organisms (species): Pimephales promelas
EC50 - Crustacea [1]	0.307 mg/l Test organisms (species): Daphnia magna
EC50 - Crustacea [2]	0.51 mg/l Test organisms (species): Daphnia magna

(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)	
EC50 72h - Algae [1]	0.32 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 72h - Algae [2]	0.214 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)

linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalool (78-70-6)	
LC50 - Fish [1]	27.8 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 - Crustacea [1]	59 mg/l Test organisms (species): Daphnia magna
EC50 - Other aquatic organisms [1]	20 mg/l waterflea
EC50 - Other aquatic organisms [2]	88.3 mg/l
EC50 96h - Algae [1]	88.3 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
EC50 96h - Algae [2]	156.7 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)

7-methyl-3-methyleneocta-1,6-diene (123-35-3)	
EC50 - Crustacea [1]	1.47 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	0.342 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 72h - Algae [2]	0.31 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)

Pin-2(3)-ene (80-56-8)	
LC50 - Fish [1]	0.303 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 - Crustacea [1]	0.475 mg/l Test organisms (species): Daphnia magna
EC50 - Other aquatic organisms [1]	1.44 mg/l waterflea

L-beta-pinene (18172-67-3)	
LC50 - Fish [1]	0.557 mg/l Test organisms (species): Cyprinus carpio
LC50 - Fish [2]	502 µg/l Test organisms (species): Pimephales promelas
EC50 - Crustacea [1]	1248 mg/l Test organisms (species): Daphnia magna
EC50 96h - Algae [1]	0.563 mg/l Source: ECOSAR

1-(5,6,7,8-tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthyl)ethan-1-one (21145-77-7)	
EC50 72h - Algae [1]	> 0.81 mg/l Source: ECHA chem

propan-2-ol; isopropyl alcohol; isopropanol (67-63-0)	
LC50 - Fish [1]	10000 mg/l Test organisms (species): Pimephales promelas

12.2. Persistence and degradability

HG limescale remover concentrate	
Persistence and degradability	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.

Water (7732-18-5)	
Persistence and degradability	Rapidly degradable

Phosphoric acid (7664-38-2)	
Persistence and degradability	Rapidly degradable

D-gluconic acid (526-95-4)	
Persistence and degradability	Rapidly degradable

oxalic acid (144-62-7)	
Persistence and degradability	Rapidly degradable
Biochemical oxygen demand (BOD)	0.16 g O_2/g substance
Chemical oxygen demand (COD)	0.18 g O_2/g substance
Biodegradation	40 %

Alkyl(hydrogenatedcastoroil)EO(>20) (61788-85-0)	
Persistence and degradability	Rapidly degradable

Isotridecanol, ethoxylated (69011-36-5)	
Persistence and degradability	Rapidly degradable

Distillates (petroleum), solvent-dewaxed light paraffinic; Baseoil— unspecified; [A complex comination of hydrocarbons obtained by removal of normal paraffins from a petroleum fraction by solvent crystallization. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100 °F (19cSt at 40 °C).] (64742-56-9)	
Persistence and degradability	Rapidly degradable

Dodecanal (112-54-9)	
Persistence and degradability	Rapidly degradable

2-methylundecanal (110-41-8)	
Persistence and degradability	Rapidly degradable

Pentyl salicylate (2050-08-0)	
Persistence and degradability	Rapidly degradable

Anethole (104-46-1)	
Persistence and degradability	Rapidly degradable

Benzyl acetate (140-11-4)	
Persistence and degradability	Rapidly degradable

[3R-(3α,3aβ,7β,8aα)]-2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene (469-61-4)	
Persistence and degradability	Rapidly degradable

Citronellol (106-22-9)	
Persistence and degradability	Rapidly degradable

Coumarin (91-64-5)	
Persistence and degradability	Rapidly degradable

2-methyl-4-isopropyldihydrocinnamaldehyde (103-95-7)	
Persistence and degradability	Rapidly degradable

cineole (470-82-6)	
Persistence and degradability	Rapidly degradable

Eugenol (97-53-0)	
Persistence and degradability	Rapidly degradable

geraniol; (2E)-3,7-dimethylocta-2,6-dien-1-ol (106-24-1)	
Persistence and degradability	Rapidly degradable

2,4-dimethylcyclohexene-3-carbaldehyde (68039-49-6)	
Persistence and degradability	Rapidly degradable

(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)	
Persistence and degradability	Rapidly degradable

linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalool (78-70-6)	
Persistence and degradability	Rapidly degradable

7-methyl-3-methyleneocta-1,6-diene (123-35-3)	
Persistence and degradability	Rapidly degradable

Pin-2(3)-ene (80-56-8)	
Persistence and degradability	Rapidly degradable

L-beta-pinene (18172-67-3)	
Persistence and degradability	Rapidly degradable

1-(5,6,7,8-tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthyl)ethan-1-one (21145-77-7)	
Persistence and degradability	Rapidly degradable

propan-2-ol; isopropyl alcohol; isopropanol (67-63-0)	
Persistence and degradability	Rapidly degradable

Evernia Prunastri extract (9000-50-4)	
Persistence and degradability	Rapidly degradable

12.3. Bioaccumulative potential

Water (7732-18-5)	
Partition coefficient n-octanol/water (Log Pow)	-1.38

Phosphoric acid (7664-38-2)	
Partition coefficient n-octanol/water (Log Pow)	-0.77

D-gluconic acid (526-95-4)	
Partition coefficient n-octanol/water (Log Pow)	-1.87

oxalic acid (144-62-7)	
Partition coefficient n-octanol/water (Log Pow)	-0.81

Dodecanal (112-54-9)	
Partition coefficient n-octanol/water (Log Pow)	5.16

2-methylundecanal (110-41-8)	
Partition coefficient n-octanol/water (Log Pow)	4.67 Source: NLM;ChemIDPlus
Pentyl salicylate (2050-08-0)	
Partition coefficient n-octanol/water (Log Pow)	4.57 Source: ChemIDplus
Anethole (104-46-1)	
Partition coefficient n-octanol/water (Log Pow)	3.39
Benzyl acetate (140-11-4)	
Partition coefficient n-octanol/water (Log Pow)	1.96
Citronellol (106-22-9)	
Partition coefficient n-octanol/water (Log Pow)	3.1
Coumarin (91-64-5)	
Partition coefficient n-octanol/water (Log Pow)	1.39
2-methyl-4-isopropyldihydrocinnamaldehyde (103-95-7)	
Partition coefficient n-octanol/water (Log Pow)	3.91 Source: Ecological Structure Activity Relationships
cineole (470-82-6)	
Partition coefficient n-octanol/water (Log Pow)	2.74
Eugenol (97-53-0)	
Partition coefficient n-octanol/water (Log Pow)	2.27
geraniol; (2E)-3,7-dimethylocta-2,6-dien-1-ol (106-24-1)	
Partition coefficient n-octanol/water (Log Pow)	3.5
2,4-dimethylcyclohexene-3-carbaldehyde (68039-49-6)	
Partition coefficient n-octanol/water (Log Pow)	2.7
(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)	
Partition coefficient n-octanol/water (Log Pow)	4.38
linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalool (78-70-6)	
Partition coefficient n-octanol/water (Log Pow)	2.84
7-methyl-3-methyleneocta-1,6-diene (123-35-3)	
Partition coefficient n-octanol/water (Log Pow)	4.17
Pin-2(3)-ene (80-56-8)	
Partition coefficient n-octanol/water (Log Pow)	4.32
L-beta-pinene (18172-67-3)	
Partition coefficient n-octanol/water (Log Pow)	4.35
propan-2-ol; isopropyl alcohol; isopropanol (67-63-0)	
Partition coefficient n-octanol/water (Log Pow)	0.05

12.4. Mobility in soil

Alkyl(hydrogenatedcastoroil)EO(>20) (61788-85-0)	
Mobility in soil	2060000000 Source: EPI SUITE

Isotridecanol, ethoxylated (69011-36-5)	
Mobility in soil	111.3 Source: EPISUITE v4.1

2-methylundecanal (110-41-8)	
Mobility in soil	192.1 Source: EPISUITE

Citronellol (106-22-9)	
Mobility in soil	70.79 Source: Quantitative Structure Activity Relation

Coumarin (91-64-5)	
Mobility in soil	140 Source: National Library of Medicine/Hazardous Substances Data Bank

2-methyl-4-isopropyldihydrocinnamaldehyde (103-95-7)	
Mobility in soil	2.859 Source: Quantitative Structure Activity Relation

cineole (470-82-6)	
Mobility in soil	223.9 Source: EPISUITE

Eugenol (97-53-0)	
Mobility in soil	409 Source: HSDB

2,4-dimethylcyclohexene-3-carbaldehyde (68039-49-6)	
Mobility in soil	187.2 Source: EPISUITE v4.1

linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalool (78-70-6)	
Mobility in soil	76 Source: HSDB

Pin-2(3)-ene (80-56-8)	
Mobility in soil	2600 Source: HSDB

1-(5,6,7,8-tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthyl)ethan-1-one (21145-77-7)	
Mobility in soil	18770 Source: EPISUITE v4.1

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional waste regulation : Disposal must be done according to official regulations.

Waste treatment methods : Dispose of in accordance with relevant local regulations. Dispose of contents/container in accordance with licensed collector's sorting instructions.

Sewage disposal recommendations : Disposal must be done according to official regulations. Do not flush down sewers.

Product/Packaging disposal recommendations	:	Disposal must be done according to official regulations. Do not pierce or burn, even after use. Do not dispose of the packaging without first carrying out the necessary cleaning.
Additional information	:	Do not re-use empty containers.
Ecological information	:	Avoid release to the environment.

SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
UN 3265	UN 3265	UN 3265	UN 3265	UN 3265
14.2. UN proper shipping name				
CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (MIXTURE CONTAINS : Phosphoric acid)	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (MIXTURE CONTAINS : Phosphoric acid)	Corrosive liquid, acidic, organic, n.o.s. (MIXTURE CONTAINS : Phosphoric acid)	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (MIXTURE CONTAINS : Phosphoric acid)	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (MIXTURE CONTAINS : Phosphoric acid)
Transport document description				
UN 3265 CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (MIXTURE CONTAINS : Phosphoric acid), 8, III, (E)	UN 3265 CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (MIXTURE CONTAINS : Phosphoric acid), 8, III	UN 3265 Corrosive liquid, acidic, organic, n.o.s. (MIXTURE CONTAINS : Phosphoric acid), 8, III	UN 3265 CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (MIXTURE CONTAINS : Phosphoric acid), 8, III	UN 3265 CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (MIXTURE CONTAINS : Phosphoric acid), 8, III
14.3. Transport hazard class(es)				
8	8	8	8	8
				
14.4. Packing group				
III	III	III	III	III
14.5. Environmental hazards				
Dangerous for the environment: Dangerous for the environment	Dangerous for the environment: Dangerous for the environment Marine pollutant: No	Dangerous for the environment: Dangerous for the environment	Dangerous for the environment: Dangerous for the environment	Dangerous for the environment: Dangerous for the environment
No supplementary information available				

14.6. Special precautions for user

Overland transport

Classification code (ADR)	:	C3
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

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
Stowage and handling (IMDG)	:	SW2
Segregation (IMDG)	:	SGG1, SG36, SG49
Properties and observations (IMDG)	:	Causes burns to skin, eyes and mucous membranes.

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, A803
ERG code (IATA)	:	8L

Inland waterway transport

Classification code (ADN)	:	C3
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

Rail transport

Classification code (RID)	:	C3
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

14.7. Transport in bulk according to Annex II of Marpol 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

REACH Annex XVII (Restriction List)

EU restriction list (REACH Annex XVII)		
Reference code	**Applicable on**	**Entry title or description**
3(a)	propan-2-ol; isopropyl alcohol; isopropanol	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F
3(b)	HG limescale remover concentrate ; Isotridecanol, ethoxylated ; propan-2-ol; isopropyl alcohol; isopropanol	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10
40.	propan-2-ol; isopropyl alcohol; isopropanol	Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Dual-Use Regulation (428/2009)

Contains no substance subject to the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items.

Detergent Regulation (648/2004)

Labelling of contents	
Component	**%**
non-ionic surfactants	<5%
perfumes	

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. United Kingdom

UK REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

UK REACH Candidate List (SVHC)

Contains no substance(s) listed on the UK REACH Candidate List

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Abbreviations and acronyms:	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties

Training advice	:	Ensure personnel is aware of the potential hazards of the load and knows what to do in the event of an accident or an emergency.
Other information	:	Normal use of this product shall imply use in accordance with the instructions on the packaging. DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

Full text of H- and EUH-statements:	
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
H225	Highly flammable liquid and vapour.
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
Met. Corr. 1	Corrosive to metals, Category 1
Skin Corr. 1	Skin corrosion/irritation, Category 1
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Narcosis

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.