HG parquet cleaner shine restorer

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: 20/05/2024 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 parquet cleaner shine restorer
Product code : 467 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 : Floor cleaning 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

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)

Serious eye damage/eye irritation, Category 2 H319
Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

Causes serious eye irritation.

2.2. Label elements

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

Hazard pictograms (GB CLP) :

GHS07

Signal word (GB CLP) : Warning

Hazard statements (GB CLP) : H319 - Causes serious eye irritation.

Precautionary statements (GB CLP) : P101 - If medical advice is needed, have product container or label at hand.
P102 - Keep out of reach of children.
P264 - Wash hands thoroughly after handling.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

EUH-statements (GB CLP) : EUH208 - Contains METHYLISOTHIAZOLINONE. May produce an allergic reaction.

Child-resistant fastening : Not applicable

Tactile warning : Not 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 – < 90	Not classified
(2-methoxymethylethoxy)propanol	CAS-No.: 34590-94-8 EC-No.: 252-104-2 REACH-no: 01-2119450011-60	≥ 2 – < 5	Not classified
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
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	≥ 0.1 – < 1	Carc. 1B, H350 Asp. Tox. 1, H304

Name	Product identifier	%	Labelling according to GB CLP (SI 2019:720 as amended)
1-methoxy-2-propanol; monopropylene glycol methyl ether	CAS-No.: 107-98-2 EC-No.: 203-539-1 REACH-no: 01-2119457435-35	≥ 0.1 – < 1	Flam. Liq. 3, H226 STOT SE 3, H336
Tris(2-butoxyethyl) phosphate	CAS-No.: 78-51-3 EC-No.: 201-122-9 REACH-no: 01-2119485835-23	≥ 0.1 – < 1	Aquatic Chronic 3, H412
Rosin, fumarated, polymer with glycerol, ammonium salt	CAS-No.: 68554-18-7 EC-No.: 812-691-3	≥ 0.1 – < 1	Not classified
Tetraamminezinc(2+) carbonate	CAS-No.: 38714-47-5 EC-No.: 254-099-2 REACH-no: 01-2120760626-49	≥ 0.1 – < 1	Not classified
triisobutyl phosphate	CAS-No.: 126-71-6 EC-No.: 204-798-3 REACH-no: 01-2119957118-32	≥ 0.1 – < 1	Not classified
Ammonia ….%	CAS-No.: 1336-21-6 EC-No.: 215-647-6 REACH-no: 01-2119982985-14	≥ 0.01 – < 0.1	Acute Tox. 4 (Oral), H302 (ATE=350 mg/kg bodyweight) Skin Corr. 1B, H314 Aquatic Acute 1, H400
2-butoxyethanol; ethylene glycol monobutyl ether	CAS-No.: 111-76-2 EC-No.: 203-905-0 REACH-no: 01-2119475108-36	< 0.1	Acute Tox. 4 (Oral), H302 (ATE=1414 mg/kg bodyweight) Acute Tox. 4 (Inhalation), H332 (ATE=11 mg/l/4h) Skin Irrit. 2, H315 Eye Irrit. 2, H319
Oils, cedarwood	CAS-No.: 8000-27-9	≥ 0.01 – < 0.1	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
[3R-(3α,3aβ,6β,7β,8aα)]-Octahydro-6-methoxy-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene	CAS-No.: 19870-74-7 EC-No.: 243-384-7 REACH-no: 01-2120228335-61	≥ 0.001 – < 0.1	Flam. Liq. 1, H224 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
[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 – < 0.1	Skin Irrit. 2, H315 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
(1,7,7-trimethylbicyclo[2.2.1]hept-2-yl)cyclohexan-1-ol	CAS-No.: 68877-29-2 EC-No.: 272-556-4 REACH-no: 01-2119979583-21	≥ 0.001 – < 0.1	Skin Irrit. 2, H315 Aquatic Chronic 2, H411
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	≥ 0.01 – < 0.1	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
2-methylundecanal	CAS-No.: 110-41-8 EC-No.: 203-765-0 REACH-no: 01-2119969443-29	≥ 0.001 – < 0.01	Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Name	Product identifier	%	Labelling according to GB CLP (SI 2019:720 as amended)
cedrol	CAS-No.: 77-53-2 EC-No.: 201-035-6 REACH-no: 01-2120790208-49	≥ 0.001 – < 0.01	Aquatic Chronic 2, H411
(E)-4-(2,6,6-trimethyl-1-cyclohexen-1-yl)-3-buten-2-one	CAS-No.: 79-77-6 EC-No.: 201-224-3 REACH-no: 01-2119449921-34	≥ 0.001 – < 0.01	Aquatic Chronic 2, H411
(Z)-3,4,5,6,6-pentamethylhept-3-en-2-one	CAS-No.: 81786-73-4 EC-No.: 279-822-9 REACH-no: 01-2119980043-42	≥ 0.001 – < 0.01	Skin Sens. 1, H317 Aquatic Chronic 2, H411
4-tert-butylcyclohexyl acetate	CAS-No.: 32210-23-4 EC-No.: 250-954-9 REACH-no: 01-2119976286-24	≥ 0.001 – < 0.01	Skin Sens. 1B, H317
Poly(oxy-1 ; 2-ethanedilyl), α-methyl-∞-[(4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9-tridecafluoro-2-hydroxynonyl) oxy]-	CAS-No.: 1227060-33-4 EC-No.: 686-815-8	≥ 0.001 – < 0.01	Not classified
1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one	CAS-No.: 2634-33-5 EC-No.: 220-120-9 REACH-no: 01-2120761540-60	≥ 0.001 – < 0.01	Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400
Reaction products of acetic anhydride and 1,5,10-trimethyl-1,5,9-cyclodecatriene	CAS-No.: 144020-22-4 EC-No.: 482-330-9 REACH-no: 01-2119430466-41	< 0.01	Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2-methoxypropanol	CAS-No.: 1589-47-5 EC-No.: 216-455-5	≥ 0.001 – < 0.01	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Dam. 1, H318 Repr. 1B, H360D STOT SE 3, H335
[3R-(3α,3aβ,7β,8aα)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one	CAS-No.: 32388-55-9 EC-No.: 251-020-3 REACH-no: 01-2119969651-28	≥ 0.001 – < 0.01	Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2-methylisothiazol-3(2H)-one	CAS-No.: 2682-20-4 EC-No.: 220-239-6 UK Index-No.: 613-326-00-9 REACH-no: 01-2120764690-50	≥ 0.001 – < 0.01	Acute Tox. 2 (Inhalation), H330 (ATE=0.05 mg/l/4h) Acute Tox. 3 (Oral), H301 (ATE=100 mg/kg bodyweight) Acute Tox. 3 (Dermal), H311 (ATE=300 mg/kg bodyweight) Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 EUH071
Caryophyllene	CAS-No.: 87-44-5 EC-No.: 201-746-1 REACH-no: 01-2120745237-53	< 0.001	Skin Sens. 1, H317 Asp. Tox. 1, H304

Name	Product identifier	%	Labelling according to GB CLP (SI 2019:720 as amended)
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	CAS-No.: 127-51-5 EC-No.: 204-846-3 REACH-no: 01-2120138569-45	< 0.001	Skin Sens. 1B, H317 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

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
2-methylisothiazol-3(2H)-one	CAS-No.: 2682-20-4 EC-No.: 220-239-6 UK Index-No.: 613-326-00-9 REACH-no: 01-2120764690-50	(0.0015 ≤ C ≤ 100) Skin Sens. 1A, H317

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.
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact : Wash skin with plenty of water.
First-aid measures after 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.
First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

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

Symptoms/effects after eye contact : Eye irritation.

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

No additional information available

5.3. Advice for firefighters

Firefighting instructions	:	Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.
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.

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	:	Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible.
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". For further information refer to section 13.

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. Wear personal protective equipment.
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

Technical measures	:	Keep in a cool, well-ventilated place away from heat.
Storage temperature	:	> 0 – < 30 °C
Heat and ignition sources	:	Keep away from heat and direct sunlight. No flames. Eliminate all sources of ignition.
Storage area	:	keep in frostfree area.
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

(2-methoxymethylethoxy)propanol (34590-94-8)	
United Kingdom - Occupational Exposure Limits	
Local name	(2-methoxymethylethoxy) propanol
WEL TWA (OEL TWA)	308 mg/m³
	50 ppm
Remark	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

1-methoxy-2-propanol; monopropylene glycol methyl ether (107-98-2)	
United Kingdom - Occupational Exposure Limits	
Local name	1-Methoxypropan-2-ol
WEL TWA (OEL TWA)	375 mg/m³
	100 ppm
WEL STEL (OEL STEL)	560 mg/m³
	150 ppm
Remark	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

2-butoxyethanol; ethylene glycol monobutyl ether (111-76-2)	
United Kingdom - Occupational Exposure Limits	
Local name	2-Butoxyethanol
WEL TWA (OEL TWA)	123 mg/m³
	25 ppm
WEL STEL (OEL STEL)	246 mg/m³
	50 ppm
Remark	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
United Kingdom - Biological limit values	
Local name	2-Butoxyethanol
BMGV	240 mmol/mol Creatinine Parameter: butoxyacetic acid - Medium: urine - Sampling time: Post shift
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

propan-2-ol; isopropyl alcohol; isopropanol (67-63-0)	
	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:
Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

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

Personal protective equipment symbol(s):

8.2.2.1. Eye and face protection

Eye protection			
Type	**Field of application**	**Characteristics**	**Standard**
Safety glasses	Normal use conditions		EN 166

8.2.2.2. Skin protection

Skin and body protection - Report preview:
In case of possible repeated skin contact wear protective clothing

Skin and body protection	
Type	**Standard**
Long sleeved protective clothing	

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.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Colour	:	White.
Odour	:	Floral.
Odour threshold	:	Not available
Melting point	:	Not available
Freezing point	:	Not available
Boiling point	:	100 °C
Flammability	:	Non flammable.
Explosive limits	:	Not available
Flash point	:	> 60 °C
Auto-ignition temperature	:	Not available
Decomposition temperature	:	Not available
pH	:	8.8
pH solution concentration	:	100 %
Viscosity, kinematic	:	Not available
Viscosity, dynamic	:	1034 mPa·s (room temperature)
Solubility	:	Insoluble in: Water. Diethyl ether. Dispersible (partial solubilisation) in: Methanol. Acetone.
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	:	1.01
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

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:'

1-methoxy-2-propanol; monopropylene glycol methyl ether (107-98-2)	
Boiling point	120.17 °C Atm. press.: 101325 Pa Decomposition: 'no'
Flash point	31.1 °C Atm. press.: 101,3 hPa
Auto-ignition temperature	31.7 – 36 °C
Vapour pressure	16400 Pa 25°C

triisobutyl phosphate (126-71-6)	
Boiling point	264 °C
Vapour pressure	0.2 Pa 25°C

Tris(2-butoxyethyl) phosphate (78-51-3)	
Boiling point	215 – 228 °C Atm. press.: 5,33288 hPa
Flash point	≈ 158.97 °C Atm. press.: 101,46 kPa
Auto-ignition temperature	322 °C Source: ECHA
Vapour pressure	≈ 0.0000152 Pa Temp.: 25 °C

2-butoxyethanol; ethylene glycol monobutyl ether (111-76-2)	
Boiling point	171 °C
Flash point	67 °C Atm. press.: 1013 hPa
Auto-ignition temperature	62 °C
Vapour pressure	0.8 hPa Temp.: 20 °C

2-methylisothiazol-3(2H)-one (2682-20-4)	
Boiling point	> 130 °C Atm. press.: 16 hPa Decomposition: 'yes' Decomp. temp.: 130 °C
Flash point	64.3 °C

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one (2634-33-5)	
Boiling point	328.7 °C Atm. press.: 101,325 kPa Decomposition: 'no'
Vapour pressure	0.0004 Pa 25°C

Ammonia ….% (1336-21-6)	
Boiling point	36 °C
Vapour pressure	287280 Pa 25°C

Tetraamminezinc(2+) carbonate (38714-47-5)	
Boiling point	91.8 °C Atm. press.: 100,3 kPa Decomposition: 'yes' Decomp. temp.: 91,8 °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

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:'

Caryophyllene (87-44-5)	
Boiling point	253 – 262 °C Atm. press.: 1013 hPa
Flash point	105.5 °C Atm. press.: 1010,4 hPa Remarks on result: 'other:'

[3R-(3α,3aβ,6β,7β,8aα)]-Octahydro-6-methoxy-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene (19870-74-7)	
Boiling point	< 268.305 °C
Flash point	< 110.341 °C
Vapour pressure	0.5 Pa Temp.: 24 °C

cedrol (77-53-2)	
Boiling point	285 °C Atm. press.: 101,3 kPa Decomposition: 'no'
Flash point	93.3 °C Source: ChemIDPlus
Vapour pressure	0.28 kPa Temp.: 20 °C

(E)-4-(2,6,6-trimethyl-1-cyclohexen-1-yl)-3-buten-2-one (79-77-6)	
Boiling point	267.1 °C Atm. press.: 1013 hPa
Flash point	126 °C Atm. press.: 1013,25 hPa
Vapour pressure	≈ 0.072 hPa Temp.: 25 °C

(Z)-3,4,5,6,6-pentamethylhept-3-en-2-one (81786-73-4)	
Boiling point	246.2 °C at 760 mmHg Source: Guidechem
Flash point	99.9 °C Source: Guidechem

3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one (127-51-5)	
Boiling point	266.4 °C Atm. press.: 967,1 hPa Decomposition: 'no' Remarks on result: 'other:'
Flash point	110.3 °C Atm. press.: 968,5 hPa Remarks on result: 'other:'
Vapour pressure	0.22 Pa Temp.: 20 °C Remarks on result: 'other:'

4-tert-butylcyclohexyl acetate (32210-23-4)	
Boiling point	243 °C Atm. press.: 101,9 kPa
Flash point	104 °C Atm. press.: 101325 Pa
Vapour pressure	7.9 Pa Temp.: 25 °C

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

[3R-(3α,3aβ,7β,8aα)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one (32388-55-9)	
Boiling point	320.9 °C Atm. press.: 101,8 kPa
Flash point	> 100 °C Atm. press.: 101,3 kPa

[3R-(3α,3aβ,7β,8aα)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one (32388-55-9)	
Vapour pressure	0.25 kPa Temp.: 25 °C

Oils, cedarwood (8000-27-9)	
Flash point	111 °C Source: Seton compliance resource center
Vapour pressure	1.5 Pa

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

Relative evaporation rate (butylacetate=1) : 0.02

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

No additional information available

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

No additional information available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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

Isotridecanol, ethoxylated (69011-36-5)	
LD50 oral	> 2000 mg/kg bodyweight

Isotridecanol, ethoxylated (69011-36-5)	
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

(2-methoxymethylethoxy)propanol (34590-94-8)	
LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 dermal rat	> 19020 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LD50 dermal rabbit	9510 mg/kg bodyweight Animal: rabbit, Animal sex: male, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
ATE GB CLP (dermal)	9510 mg/kg bodyweight

1-methoxy-2-propanol; monopropylene glycol methyl ether (107-98-2)	
LD50 oral	3739 mg/kg bodyweight
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: EU Method B.3 (Acute Toxicity (Dermal))
LD50 dermal	> 2000 mg/kg bodyweight
LC50 Inhalation - Rat (Dust/Mist)	> 26315 mg/l
ATE GB CLP (oral)	3739 mg/kg bodyweight

triisobutyl phosphate (126-71-6)	
LD50 oral	> 5000 mg/kg bodyweight
LD50 dermal	> 5000 mg/kg bodyweight
LC50 Inhalation - Rat (Dust/Mist)	> 5140 mg/l

Tris(2-butoxyethyl) phosphate (78-51-3)	
LD50 oral rat	3000 mg/kg Source: Corporate Solution From Thomson Micromedex
LD50 oral	3000 mg/kg bodyweight
LD50 dermal rabbit	> 5000 mg/kg bodyweight Animal: rabbit
LC50 Inhalation - Rat	> 6.4 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)
ATE GB CLP (oral)	3000 mg/kg bodyweight

2-butoxyethanol; ethylene glycol monobutyl ether (111-76-2)	
LD50 oral rat	≤
LD50 oral	1414 mg/kg bodyweight Animal: guinea pig, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 1020 - 1961
LC50 Inhalation - Rat (Dust/Mist)	2200 mg/l
ATE GB CLP (oral)	1414 mg/kg bodyweight
ATE GB CLP (gases)	4500 ppmv/4h
ATE GB CLP (vapours)	11 mg/l/4h
ATE GB CLP (dust, mist)	1.5 mg/l/4h

2-methylisothiazol-3(2H)-one (2682-20-4)	
LD50 oral rat	66 – 105 mg/kg
LD50 dermal rabbit	242 mg/kg

2-methylisothiazol-3(2H)-one (2682-20-4)	
LC50 Inhalation - Rat (Dust/Mist)	0.33 mg/l
ATE GB CLP (oral)	100 mg/kg bodyweight
ATE GB CLP (dermal)	300 mg/kg bodyweight
ATE GB CLP (gases)	100 ppmv/4h
ATE GB CLP (vapours)	0.5 mg/l/4h
ATE GB CLP (dust, mist)	0.05 mg/l/4h

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one (2634-33-5)	
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LD50 dermal	4115 mg/kg bodyweight
LC50 Inhalation - Rat (Dust/Mist)	100 mg/l
ATE GB CLP (oral)	500 mg/kg bodyweight
ATE GB CLP (dermal)	4115 mg/kg bodyweight
ATE GB CLP (dust, mist)	100 mg/l/4h

Ammonia ….% (1336-21-6)	
LD50 oral	350 mg/kg bodyweight
ATE GB CLP (oral)	350 mg/kg bodyweight

Tetraamminezinc(2+) carbonate (38714-47-5)	
LD50 oral rat	> 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method), Guideline: EU Method B.1 tris (Acute Oral Toxicity - Acute Toxic Class Method), Guideline: EPA OPPTS 870.1100 (Acute Oral Toxicity), Guideline: other:

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

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

Caryophyllene (87-44-5)	
LD50 oral	> 5000 mg/kg bodyweight Animal: mouse, Animal sex: male, Remarks on results: not determinable due to absence of adverse toxic effects

[3R-(3α,3aβ,6β,7β,8aα)]-Octahydro-6-methoxy-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene (19870-74-7)	
LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)

[3R-(3α,3aβ,6β,7β,8aα)]-Octahydro-6-methoxy-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene (19870-74-7)	
LD50 dermal rabbit	> 5000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)

cedrol (77-53-2)	
LD50 oral rat	> 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method)
LD50 dermal rabbit	5000 mg/kg Source: ChemIDPlus
ATE GB CLP (dermal)	5000 mg/kg bodyweight

(E)-4-(2,6,6-trimethyl-1-cyclohexen-1-yl)-3-buten-2-one (79-77-6)	
LD50 oral rat	4590 mg/kg Source: SIDS
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal))
ATE GB CLP (oral)	4590 mg/kg bodyweight

3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one (127-51-5)	
LD50 oral rat	> 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method), Remarks on results: other:
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Remarks on results: other:

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

[3R-(3α,3aβ,7β,8aα)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one (32388-55-9)	
LD50 dermal rabbit	> 5000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Remarks on results: other:

Oils, cedarwood (8000-27-9)	
LD50 oral rat	> 5000 mg/kg Source: National Library of Medicine
LD50 dermal rabbit	> 5000 mg/kg Source: National Library of Medicine

Skin corrosion/irritation : Not classified (Conclusive but not sufficient for classification)
pH: 8.8

Water (7732-18-5)	
pH	7

Tris(2-butoxyethyl) phosphate (78-51-3)	
pH	7 Source: National Institute of Technology and Evaluation

2-methylisothiazol-3(2H)-one (2682-20-4)	
pH	2.58 Temp.: 25 °C Concentration: 50 g/L

Tetraamminezinc(2+) carbonate (38714-47-5)	
pH	9.9 Temp.: 20 °C Concentration: (≈)16,8 other:

3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one (127-51-5)	
pH	5.44 Temp.: 30 °C Concentration: 1 other: Remarks on result: 'other:'

Serious eye damage/irritation : Causes serious eye irritation.
pH: 8.8

Water (7732-18-5)	
pH	7

Tris(2-butoxyethyl) phosphate (78-51-3)	
pH	7 Source: National Institute of Technology and Evaluation

2-methylisothiazol-3(2H)-one (2682-20-4)	
pH	2.58 Temp.: 25 °C Concentration: 50 g/L

Tetraamminezinc(2+) carbonate (38714-47-5)	
pH	9.9 Temp.: 20 °C Concentration: (≈)16,8 other:

3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one (127-51-5)	
pH	5.44 Temp.: 30 °C Concentration: 1 other: Remarks on result: 'other:'

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).

2-butoxyethanol; ethylene glycol monobutyl ether (111-76-2)	
IARC group	3 - Not classifiable

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

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one (2634-33-5)	
NOAEL (animal/female, F1)	56.6 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: EPA OPPTS 870.3800 (Reproduction and Fertility Effects)

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

1-methoxy-2-propanol; monopropylene glycol methyl ether (107-98-2)	
STOT-single exposure	May cause drowsiness or dizziness.

2-methoxypropanol (1589-47-5)	
STOT-single exposure	May cause respiratory irritation.

Ammonia ….% (1336-21-6)	
STOT-single exposure	Not classified (Conclusive but not sufficient for classification)

Tetraamminezinc(2+) carbonate (38714-47-5)	
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)

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)

(2-methoxymethylethoxy)propanol (34590-94-8)	
NOAEL (oral, rat, 90 days)	1000 mg/kg bodyweight Animal: rat, Guideline: other:

1-methoxy-2-propanol; monopropylene glycol methyl ether (107-98-2)	
LOAEL (oral, rat, 90 days)	2757 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents)
NOAEL (oral, rat, 90 days)	919 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents)
NOAEL (dermal, rat/rabbit, 90 days)	> 1000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)

2-methylisothiazol-3(2H)-one (2682-20-4)	
LOAEL (oral, rat, 90 days)	71.2 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents), Guideline: other:

3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one (127-51-5)	
NOAEL (oral, rat, 90 days)	30 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEL (dermal, rat/rabbit, 90 days)	50 mg/kg bodyweight Animal: rat, Guideline: other:, Remarks on results: other:

[3R-(3α,3aβ,7β,8aα)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one (32388-55-9)	
NOAEL (oral, rat, 90 days)	80 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEL (dermal, rat/rabbit, 90 days)	300 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study)

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

1-methoxy-2-propanol; monopropylene glycol methyl ether (107-98-2)	
Viscosity, kinematic	1.848 mm²/s

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

[3R-(3α,3aβ,7β,8aα)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one (32388-55-9)	
Viscosity, kinematic	38.25 mm²/s Temp.: '20°C' Parameter: 'kinematic viscosity (in 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 : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

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).

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
EC50 96h - Algae [1]	11.5 mg/l Source: EPISUITE v4.1

(2-methoxymethylethoxy)propanol (34590-94-8)	
LC50 - Fish [1]	> 1000 mg/l Test organisms (species): Poecilia reticulata
EC50 - Other aquatic organisms [1]	1930 mg/l Test organisms (species): other aquatic crustacea:
EC50 72h - Algae [1]	> 969 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 96h - Algae [1]	> 969 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
LOEC (chronic)	0.5 mg/l Test organisms (species): Daphnia magna Duration: '22 d'
NOEC (chronic)	≥ 0.5 mg/l Test organisms (species): Daphnia magna Duration: '22 d'

1-methoxy-2-propanol; monopropylene glycol methyl ether (107-98-2)	
LC50 - Fish [1]	> 4600 mg/l
EC50 - Other aquatic organisms [1]	2954 mg/l Test organisms (species): other aquatic crustacea:
EC50 - Other aquatic organisms [2]	> 500 mg/l

triisobutyl phosphate (126-71-6)	
EC50 - Other aquatic organisms [1]	11 mg/l waterflea
EC50 - Other aquatic organisms [2]	34.1 mg/l

Tris(2-butoxyethyl) phosphate (78-51-3)	
LC50 - Fish [1]	24 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 - Crustacea [1]	53 mg/l Test organisms (species): Daphnia magna
EC50 - Other aquatic organisms [1]	75 mg/l waterflea
EC50 72h - Algae [1]	33 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
EC50 72h - Algae [2]	61 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
NOEC chronic algae	7.6 mg/l

2-butoxyethanol; ethylene glycol monobutyl ether (111-76-2)	
LC50 - Fish [1]	1474 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 - Crustacea [1]	≈ 1800 mg/l Test organisms (species): Daphnia magna
EC50 - Other aquatic organisms [1]	1550 mg/l waterflea
EC50 - Other aquatic organisms [2]	911 mg/l
EC50 72h - Algae [1]	911 mg/l Source: ECHA
NOEC (chronic)	100 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	≥ 100 mg/l Test organisms (species): Oryzias latipes Duration: '14 d'

2-methylisothiazol-3(2H)-one (2682-20-4)	
LC50 - Fish [1]	4.77 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 - Crustacea [1]	1.6 mg/l Test organisms (species): Daphnia magna

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one (2634-33-5)	
LC50 - Fish [1]	16.7 mg/l Test organisms (species): Cyprinodon variegatus
LC50 - Fish [2]	2.15 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 - Crustacea [1]	2.94 mg/l Test organisms (species): Daphnia magna
EC50 - Crustacea [2]	2.9 mg/l Test organisms (species): Daphnia magna

Ammonia ….% (1336-21-6)	
LC50 - Fish [1]	0.89 mg/l
LC50 - Other aquatic organisms [1]	2700 mg/l Chlorella pyrenoidosa

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

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

Caryophyllene (87-44-5)	
EC50 72h - Algae [1]	> 0.033 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)

[3R-(3α,3aβ,6β,7β,8aα)]-Octahydro-6-methoxy-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene (19870-74-7)	
LC50 - Fish [1]	0.373 mg/l Source: ECOSAR
EC50 - Crustacea [1]	0.48 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [2]	1 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 96h - Algae [1]	0.662 mg/l Source: ECOSAR

cedrol (77-53-2)	
LC50 - Fish [1]	1.54 mg/l Source: ECOSAR
EC50 96h - Algae [1]	1.596 mg/l Test organisms (species):

(E)-4-(2,6,6-trimethyl-1-cyclohexen-1-yl)-3-buten-2-one (79-77-6)	
LC50 - Fish [1]	5.09 mg/l Test organisms (species): Pimephales promelas
LC50 - Fish [2]	6.81 mg/l Test organisms (species): Leuciscus idus
EC50 - Crustacea [1]	4.03 mg/l Test organisms (species): Daphnia magna

(E)-4-(2,6,6-trimethyl-1-cyclohexen-1-yl)-3-buten-2-one (79-77-6)	
EC50 72h - Algae [1]	22.15 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
EC50 72h - Algae [2]	21.15 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
EC50 96h - Algae [1]	12.2 mg/l Source: IUCLID

3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one (127-51-5)	
LC50 - Fish [1]	10.9 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 - Crustacea [1]	9 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	> 20 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)

4-tert-butylcyclohexyl acetate (32210-23-4)	
LC50 - Fish [1]	8.6 mg/l Test organisms (species): Cyprinus carpio
EC50 - Crustacea [1]	5.3 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	22 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)

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

[3R-(3α,3aβ,7β,8aα)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one (32388-55-9)	
LC50 - Fish [1]	2.3 mg/l Test organisms (species): Pimephales promelas
LC50 - Fish [2]	3 mg/l Test organisms (species): Pimephales promelas
EC50 - Crustacea [1]	0.86 mg/l Test organisms (species): Daphnia magna
EC50 96h - Algae [1]	2.8 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
LOEC (chronic)	0.23 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	0.087 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

Oils, cedarwood (8000-27-9)	
LC50 - Fish [1]	0.046 mg/l Source: Quantitative Structure Activity Relation
EC50 96h - Algae [1]	0.05 mg/l Source: Ecological Structure Activity Relationships

12.2. Persistence and degradability

HG parquet cleaner shine restorer	
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

Isotridecanol, ethoxylated (69011-36-5)	
Persistence and degradability	Rapidly degradable
(2-methoxymethylethoxy)propanol (34590-94-8)	
Persistence and degradability	Rapidly degradable
1-methoxy-2-propanol; monopropylene glycol methyl ether (107-98-2)	
Persistence and degradability	Rapidly degradable
2-methoxypropanol (1589-47-5)	
Persistence and degradability	Rapidly degradable
triisobutyl phosphate (126-71-6)	
Persistence and degradability	Rapidly degradable
Tris(2-butoxyethyl) phosphate (78-51-3)	
Persistence and degradability	Rapidly degradable
2-butoxyethanol; ethylene glycol monobutyl ether (111-76-2)	
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
2-methylisothiazol-3(2H)-one (2682-20-4)	
Persistence and degradability	Rapidly degradable
1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one (2634-33-5)	
Persistence and degradability	Rapidly degradable
Rosin, fumarated, polymer with glycerol, ammonium salt (68554-18-7)	
Persistence and degradability	Rapidly degradable
Ammonia ….% (1336-21-6)	
Persistence and degradability	Rapidly degradable
Tetraamminezinc(2+) carbonate (38714-47-5)	
Persistence and degradability	Rapidly degradable
propan-2-ol; isopropyl alcohol; isopropanol (67-63-0)	
Persistence and degradability	Rapidly degradable
Poly(oxy-1 ; 2-ethanedilyl), α-methyl-ω-[(4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9-tridecafluoro-2-hydroxynonyl) oxy]- (1227060-33-4)	
Persistence and degradability	Rapidly degradable
2-methylundecanal (110-41-8)	
Persistence and degradability	Rapidly degradable
Caryophyllene (87-44-5)	
Persistence and degradability	Rapidly degradable

[3R-(3α,3aβ,6β,7β,8aα)]-Octahydro-6-methoxy-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene (19870-74-7)	
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

cedrol (77-53-2)	
Persistence and degradability	Rapidly degradable

(E)-4-(2,6,6-trimethyl-1-cyclohexen-1-yl)-3-buten-2-one (79-77-6)	
Persistence and degradability	Rapidly degradable

(1,7,7-trimethylbicyclo[2.2.1]hept-2-yl)cyclohexan-1-ol (68877-29-2)	
Persistence and degradability	Rapidly degradable

(Z)-3,4,5,6,6-pentamethylhept-3-en-2-one (81786-73-4)	
Persistence and degradability	Rapidly degradable

3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one (127-51-5)	
Persistence and degradability	Rapidly degradable

4-tert-butylcyclohexyl acetate (32210-23-4)	
Persistence and degradability	Rapidly degradable

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

Reaction products of acetic anhydride and 1,5,10-trimethyl-1,5,9-cyclodecatriene (144020-22-4)	
Persistence and degradability	Rapidly degradable

[3R-(3α,3aβ,7β,8aα)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one (32388-55-9)	
Persistence and degradability	Rapidly degradable

Oils, cedarwood (8000-27-9)	
Persistence and degradability	Rapidly degradable

12.3. Bioaccumulative potential

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

1-methoxy-2-propanol; monopropylene glycol methyl ether (107-98-2)	
Partition coefficient n-octanol/water (Log Pow)	-0.49

triisobutyl phosphate (126-71-6)	
Partition coefficient n-octanol/water (Log Pow)	3.7

Tris(2-butoxyethyl) phosphate (78-51-3)	
Partition coefficient n-octanol/water (Log Pow)	4.56

2-butoxyethanol; ethylene glycol monobutyl ether (111-76-2)	
Partition coefficient n-octanol/water (Log Pow)	0.8

2-methylisothiazol-3(2H)-one (2682-20-4)	
Partition coefficient n-octanol/water (Log Pow)	-0.49

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one (2634-33-5)	
Partition coefficient n-octanol/water (Log Pow)	0.7

Ammonia ….% (1336-21-6)	
Partition coefficient n-octanol/water (Log Pow)	-0.64

propan-2-ol; isopropyl alcohol; isopropanol (67-63-0)	
Partition coefficient n-octanol/water (Log Pow)	0.05

2-methylundecanal (110-41-8)	
Partition coefficient n-octanol/water (Log Pow)	4.67 Source: NLM;ChemIDPlus

cedrol (77-53-2)	
Partition coefficient n-octanol/water (Log Pow)	4.33 Source: ChemIDPlus

3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one (127-51-5)	
Partition coefficient n-octanol/water (Log Pow)	4.7 Source: ECHA Registered substances

Pin-2(3)-ene (80-56-8)	
Partition coefficient n-octanol/water (Log Pow)	4.32

Oils, cedarwood (8000-27-9)	
Partition coefficient n-octanol/water (Log Pow)	5.74 Source: Quantitative Structure Activity Relation

12.4. Mobility in soil

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

cedrol (77-53-2)	
Mobility in soil	810.4 Source: EPISUITE

(E)-4-(2,6,6-trimethyl-1-cyclohexen-1-yl)-3-buten-2-one (79-77-6)	
Mobility in soil	666.7 Source: EPISUITE

(Z)-3,4,5,6,6-pentamethylhept-3-en-2-one (81786-73-4)	
Mobility in soil	2744 Source: EPISUITE v4.1

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

[3R-(3α,3aβ,7β,8aα)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one (32388-55-9)	
Mobility in soil	3.8 Source: Quantitative Structure Activity Relation

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

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 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 %.

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 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.
Additional information : Do not re-use empty containers.

SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not regulated for transport				
14.2. UN proper shipping name				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
Transport document description				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available				

14.6. Special precautions for user

Overland transport
Not regulated

Transport by sea
Not regulated

Air transport
Not regulated

Inland waterway transport
Not regulated

Rail transport
Not regulated

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)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

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)

Allergenic fragrances > 0.01 %:
JUNIPERUS VIRGINIANA OIL; JUNIPERUS VIRGINIANA WOOD OIL

Labelling of contents

Component	%
non-ionic surfactants, phosphates	<5%
METHYLISOTHIAZOLINONE	
BENZISOTHIAZOLINONE	
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

Indication of changes (UK)

Section	Changed item	Change	Comments
7.2 - Conditions for safe storage, including any incompatibilities	Heat and ignition sources	Added	
16 - Other information	Training advice	Added	
7.1 - Precautions for safe handling	Additional hazards when processed	Added	
13.1 - Waste treatment methods	Product/Packaging disposal recommendations	Added	
13.1 - Waste treatment methods	Sewage disposal recommendations	Added	
6.3 - Methods and material for containment and cleaning up	For containment	Added	
6.1 - Personal precautions, protective equipment and emergency procedures	Emergency procedures	Added	
6.1 - Personal precautions, protective equipment and emergency procedures	Protective equipment	Added	
13.1 - Waste treatment methods	Additional information	Added	
5.3 - Advice for firefighters	Firefighting instructions	Added	
7.2 - Conditions for safe storage, including any incompatibilities	Technical measures	Added	
4.2 - Most important symptoms and effects, both acute and delayed	Symptoms/effects after skin contact	Added	
4.2 - Most important symptoms and effects, both acute and delayed	Symptoms/effects after ingestion	Added	
13.1 - Waste treatment methods	Regional waste regulation	Added	

Indication of changes (UK)			
Section	**Changed item**	**Change**	**Comments**
9.1 - Information on basic physical and chemical properties	Melting point	Added	
6.1 - Personal precautions, protective equipment and emergency procedures	General measures	Added	
4.1 - Description of first aid measures	First-aid measures general	Added	
5.2 - Special hazards arising from the substance or mixture	Explosion hazard	Added	
7.2 - Conditions for safe storage, including any incompatibilities	Packaging materials	Added	
7.2 - Conditions for safe storage, including any incompatibilities	Storage temperature	Modified	
16 - Other information	Other information	Modified	
5.2 - Special hazards arising from the substance or mixture	Hazardous decomposition products in case of fire	Removed	
6.4 - Reference to other sections	Reference to other sections (8, 13)	Modified	
7.2 - Conditions for safe storage, including any incompatibilities	Storage conditions	Modified	
10.3 - Possibility of hazardous reactions	Possibility of hazardous reactions	Removed	
10.1 - Reactivity	Reactivity	Removed	
10.2 - Chemical stability	Chemical stability	Removed	
10.6 - Hazardous decomposition products	Hazardous decomposition products	Removed	
8.2 - Exposure controls	Eye protection	Modified	

Indication of changes (UK)			
Section	**Changed item**	**Change**	**Comments**
10.4 - Conditions to avoid	Conditions to avoid	Removed	
2.2 - Label elements	Precautionary statements (CLP)	Modified	
3 - Composition/information on ingredients	Composition/information on ingredients	Modified	
7.2 - Conditions for safe storage, including any incompatibilities	Storage area	Added	

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. 2 (Inhalation)	Acute toxicity (inhal.), Category 2
Acute Tox. 2 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 2
Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 3 (Inhalation)	Acute toxicity (inhal.), Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Aquatic Chronic 4	Hazardous to the aquatic environment – Chronic Hazard, Category 4
Asp. Tox. 1	Aspiration hazard, Category 1
Carc. 1B	Carcinogenicity, Category 1B
EUH208	Contains triisobutyl phosphate (126-71-6) (00086), 2-methylisothiazol-3(2H)-one (2682-20-4) (00180), 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one (2634-33-5) (00178), Rosin, fumarated, polymer with glycerol, ammonium salt (68554-18-7) (00305). May produce an allergic reaction.
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
H226	Flammable liquid and vapour.

Full text of H- and EUH-statements:	
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H331	Toxic if inhaled.
H336	May cause drowsiness or dizziness.
H350	May cause cancer.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1A	Skin sensitisation, category 1A
Skin Sens. 1B	Skin sensitisation, category 1B
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.