HG wooden furniture cleaner

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: 24/05/2024 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 wooden furniture cleaner
Product code	:	268 ART
Type of product	:	Detergent
Vaporizer	:	Aerosol
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	:	Products for the cleaning and care of indoor wooden and other hard surface furniture. Includes general cleaning products, dust sprays, polishes, conditioners…

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)

Aerosol, Category 1 H222;H229
Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

Pressurised container: May burst if heated. Extremely flammable aerosol.

2.2. Label elements

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

Hazard pictograms (GB CLP) :

GHS02

Signal word (GB CLP) : Danger

Hazard statements (GB CLP) : H222 - Extremely flammable aerosol.
H229 - Pressurised container: May burst if heated.

Precautionary statements (GB CLP) : P101 - If medical advice is needed, have product container or label at hand.
P102 - Keep out of reach of children.
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 - Do not spray on an open flame or other ignition source.
P251 - Do not pierce or burn, even after use.
P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 122 °F, 50 °C.

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)
butane (Propellant gas (Aerosol)) (Note C)(Note U)	CAS-No.: 106-97-8 EC-No.: 203-448-7 UK Index-No.: 601-004-00-0 REACH-no: 01-2119474691-32	≥ 15 – < 50	Flam. Gas 1A, H220 Press. Gas
(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 – < 0.1	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304 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	≥ 0.001 – < 0.01	Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Name	Product identifier	%	Labelling according to GB CLP (SI 2019:720 as amended)
Bornan-2-one	CAS-No.: 76-22-2 EC-No.: 200-945-0 REACH-no: 01-2119966156-31	≥ 0.001 – < 0.01	Flam. Sol. 1, H228 Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Acute Tox. 4 (Inhalation), H332 (ATE=1.5 mg/l/4h) Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 2, H371 Aquatic Chronic 2, H411
cineole	CAS-No.: 470-82-6 EC-No.: 207-431-5 REACH-no: 01-2119967772-24	≥ 0.001 – < 0.01	Flam. Liq. 3, H226 Skin Sens. 1B, H317
Benzyl acetate	CAS-No.: 140-11-4 EC-No.: 205-399-7 REACH-no: 01-2119638272-42	< 0.01	Aquatic Chronic 3, H412
Citronellal	CAS-No.: 106-23-0 EC-No.: 203-376-6 REACH-no: 01-2119474900-37	< 0.01	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317
Coumarin	CAS-No.: 91-64-5 EC-No.: 202-086-7 REACH-no: 01-2119949300-45	< 0.01	Acute Tox. 4 (Oral), H302 (ATE=680 mg/kg bodyweight) Skin Sens. 1, H317
2,6-dimethyl-7-octen-2-ol	CAS-No.: 18479-58-8 EC-No.: 242-362-4 REACH-no: 01-2119457274-37	< 0.01	Skin Irrit. 2, H315 Eye Irrit. 2, H319
Piperonal	CAS-No.: 120-57-0 EC-No.: 204-409-7 REACH-no: 01-2119983608-21	< 0.01	Skin Sens. 1, H317
7-hydroxy-3,7-dimethyloctanal	CAS-No.: 107-75-5 EC-No.: 203-518-7 REACH-no: 01-2119973482-31	< 0.01	Eye Irrit. 2, H319 Skin Sens. 1B, H317
linalyl acetate	CAS-No.: 115-95-7 EC-No.: 204-116-4 REACH-no: 01-2119454789-19	< 0.01	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317
p-Mentha-1,4(8)-diene	CAS-No.: 586-62-9 EC-No.: 209-578-0 REACH-no: 01-2119982325-32	< 0.01	Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
5-(2,3,3-trimethyl-3-cyclopentenyl)-3-methylpentan-2-ol	CAS-No.: 65113-99-7 EC-No.: 265-453-0 REACH-no: 01-2119975588-15	< 0.01	Eye Irrit. 2, H319 Aquatic Chronic 2, H411

Name	Product identifier	%	Labelling according to GB CLP (SI 2019:720 as amended)
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	< 0.01	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317
Terpineol	CAS-No.: 8000-41-7 EC-No.: 232-268-1 REACH-no: 01-2119553062-49	< 0.01	Not classified
Pin-2(3)-ene	CAS-No.: 80-56-8 EC-No.: 201-291-9 REACH-no: 01-2119519223-49	< 0.01	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
Thymol	CAS-No.: 89-83-8 EC-No.: 201-944-8 REACH-no: 01-2119511177-46	< 0.01	Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Skin Corr. 1B, H314 Aquatic Chronic 2, H411
L-Borneol	CAS-No.: 464-45-9 EC-No.: 207-353-1 REACH-no: 01-2120759187-44	< 0.01	Flam. Sol. 1, H228 Skin Irrit. 2, H315 Aquatic Chronic 2, H411
Benzyl cinnamate	CAS-No.: 103-41-3 EC-No.: 203-109-3 REACH-no: 01-2120105065-72	< 0.001	Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
benzyl salicylate	CAS-No.: 118-58-1 EC-No.: 204-262-9 REACH-no: 01-2119969442-31	< 0.001	Skin Sens. 1B, H317 Aquatic Chronic 3, H412
Camphene	CAS-No.: 79-92-5 EC-No.: 201-234-8 REACH-no: 01-2119446293-40	< 0.001	Flam. Sol. 1, H228 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
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
[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
citral	CAS-No.: 5392-40-5 EC-No.: 226-394-6 UK Index-No.: 605-019-00-3 REACH-no: 01-2119462829-23	< 0.001	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 STOT RE 2, H373

Name	Product identifier	%	Labelling according to GB CLP (SI 2019:720 as amended)
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
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
3,7,7-trimethylbicyclo[4.1.0]hept-3-ene	CAS-No.: 13466-78-9 EC-No.: 236-719-3 REACH-no: 01-2119520252-55	< 0.001	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Neryl acetate	CAS-No.: 141-12-8 EC-No.: 205-459-2 REACH-no: 01-2120748334-54	< 0.001	Skin Sens. 1, H317
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

Note C: Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.

Note U: When put on the market gases have to be classified as ‘Gases under pressure’, in one of the groups compressed gas, liquefied gas, refrigerated liquefied gas or dissolved gas. The group depends on the physical state in which the gas is packaged and therefore has to be assigned case by case. The following codes are assigned:. Press. Gas (Comp.), Press. Gas (Liq.), Press. Gas (Ref. Liq.), Press. Gas (Diss.). Aerosols shall not be classified as gases under pressure (See Annex I, Part 2, Section 2.3.2.1, Note 2).

Product subject to CLP Article 1.1.3.7. The disclosure rules of the components is modified in this case.

This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of REACH Annex II

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : If medical advice is needed, have product container or label at hand.

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

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 solid water stream as it may scatter and spread fire.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Extremely flammable aerosol.

Explosion hazard : Pressurised container: May burst if heated.

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

Precautionary measures fire : Runoff could create fire or explosion hazard. 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.

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 : Evacuate area. 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. See Section 8 for information on personal protection equipment.

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 remaining liquid with sand or inert absorbent and remove to safe place. 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. Stop leak without risks if possible.

Methods for cleaning up : Mechanically recover the product.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

No additional information available

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.

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.

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

Bornan-2-one (76-22-2)	
United Kingdom - Occupational Exposure Limits	
Local name	Bornan-2-one
WEL TWA (OEL TWA)	13 mg/m³
	2 ppm
WEL STEL (OEL STEL)	19 mg/m³
	3 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

butane (106-97-8)	
United Kingdom - Occupational Exposure Limits	
Local name	Butane
WEL TWA (OEL TWA)	1450 mg/m³
	600 ppm
WEL STEL (OEL STEL)	1810 mg/m³
	750 ppm
Remark	Carc (Capable of causing cancer and/or heritable genetic damage, only applies if Butane contains more than 0.1% of buta-1,3-diene)
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:
Safety glasses. Wear protective gloves. Wear 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

8.2.2.2. Skin protection

Skin and body protection	
Type	**Standard**
Long sleeved protective clothing	
Chemical resistant safety shoes	EN 1149-5, EN 13034, EN ISO 11612, EN ISO 20345

Hand protection - Report preview:
Protective gloves

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

8.2.2.3. Respiratory protection

Respiratory protection			
Device	**Filter type**	**Condition**	**Standard**
Half-mask	FFA2P3	Mist formation, Vapour protection	EN 405

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:
Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Colour	:	Colourless.

Appearance	:	Clear, colorless liquid.
Odour	:	Characteristic.
Odour threshold	:	Not available
Melting point	:	Not applicable
Freezing point	:	Not available
Boiling point	:	Not available
Flammability	:	Extremely flammable aerosol.
Explosive properties	:	Pressurised container: May burst if heated.
Explosive limits	:	Not available
Flash point	:	Not applicable
Auto-ignition temperature	:	Not available
Decomposition temperature	:	Not available
pH	:	Not available
Viscosity, kinematic	:	≥ 24
Viscosity, dynamic	:	20.544
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	:	0.856
Relative vapour density at 20°C	:	Not available
Particle characteristics	:	Not applicable

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

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

Benzyl cinnamate (103-41-3)	
Boiling point	350 °C
Vapour pressure	0.00133 Pa 25°C

benzyl salicylate (118-58-1)	
Boiling point	322 °C Atm. press.: 101,325 kPa Remarks on result: 'other:'
Flash point	176.5 °C Atm. press.: 101325 Pa
Vapour pressure	0.0104 Pa Temp.: 25 °C Remarks on result: 'other:'

Camphene (79-92-5)	
Boiling point	156 – 160 °C Atm. press.: 1013 mBar Remarks on result: 'other:'
Flash point	29.5 °C Atm. press.: 1013 hPa
Auto-ignition temperature	265 °C Source: ICSC
Vapour pressure	25 mm Hg at 25 °C Source: HSDB

Bornan-2-one (76-22-2)	
Boiling point	204 °C Remarks on result: 'other:'
Flash point	150 °F Source: NIOSH
Auto-ignition temperature	466 °C Source: IPCS
Vapour pressure	0.65 mm Hg Temp.: 25 °C

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:'

citral (5392-40-5)	
Boiling point	≈ 230 °C Atm. press.: 1013 hPa Decomposition: 'yes' Decomp. temp.: 180 °C
Flash point	82 °C Source: ICSC
Vapour pressure	29.3 Pa 25°C

Citronellal (106-23-0)	
Boiling point	47 °C at 1 mmHg Source: AKRON
Flash point	74 °C Source: NLM;HSDB
Vapour pressure	0.22 mm Hg Source: AKRON

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

2,6-dimethyl-7-octen-2-ol (18479-58-8)	
Boiling point	193 °C Atm. press.: 100,9 kPa
Flash point	76 °C Atm. press.: 101,325 kPa
Vapour pressure	20 Pa Temp.: 25 °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
Vapour pressure	0.03999672 hPa Temp.: 25 °C Remarks on result: 'other:'

Piperonal (120-57-0)	
Boiling point	263 – 264 °C
Flash point	< 110 °C
Vapour pressure	1 mm Hg

7-hydroxy-3,7-dimethyloctanal (107-75-5)	
Boiling point	240.49 °C Atm. press.: 1013,25 hPa Decomposition: 'yes' Decomp. temp.: 140 °C
Flash point	113 °C Atm. press.: 1013,25 hPa
Vapour pressure	0.76209 Pa 25°C

linalyl acetate (115-95-7)	
Boiling point	220 °C Atm. press.: 1013,25 hPa
Flash point	85 °C Atm. press.: 1013,25 hPa
Vapour pressure	< 1 hPa Temp.: 20 °C

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:'

3,7,7-trimethylbicyclo[4.1.0]hept-3-ene (13466-78-9)	
Boiling point	167 – 170 °C Source: AKRON
Vapour pressure	3.72 mm Hg at 25 °C Source: NLM;ChemIDplus

Neryl acetate (141-12-8)	
Boiling point	235 °C Source: National Library of Medicine
Flash point	99 °C Source: National Emergency Management Agency

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

p-Mentha-1,4(8)-diene (586-62-9)	
Boiling point	193.85 °C Atm. press.: 985 hPa Decomposition: 'no'
Flash point	62.5 °C Atm. press.: 101,3 kPa

p-Mentha-1,4(8)-diene (586-62-9)	
Vapour pressure	0.74 mm Hg at 25°C Source: National Library of Medicine/Hazardous Substances Data Bank

(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

Terpineol (8000-41-7)	
Boiling point	214 °C
Flash point	91 – 92 °C
Vapour pressure	2.6 Pa 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

L-Borneol (464-45-9)	
Boiling point	201 °C Source: ChemIDplus
Flash point	6555556 °C Remarks on result: 'other:'
Vapour pressure	0.0572 Pa Temp.: 25 °C Remarks on result: 'other:'

9.2. Other information

9.2.1. Information with regard to physical hazard classes

% of flammable ingredients : 48.1062 %

9.2.2. Other safety characteristics

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Extremely flammable aerosol. Pressurised container: May burst if heated.

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

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

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) : 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)

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))
ATE GB CLP (oral)	500 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

Benzyl cinnamate (103-41-3)	
LD50 oral rat	3280 mg/kg bodyweight Animal: rat, 95% CL: 2620 - 4100
LD50 oral	5530 mg/kg bodyweight
LD50 dermal rabbit	> 3000 mg/kg bodyweight Animal: rabbit
LD50 dermal	> 3000 mg/kg bodyweight
ATE GB CLP (oral)	3280 mg/kg bodyweight

benzyl salicylate (118-58-1)	
LD50 oral rat	2227 mg/kg Source: IUCLID,THOMSON
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit, Guideline: EU Method B.3 (Acute Toxicity (Dermal))
ATE GB CLP (oral)	2227 mg/kg bodyweight

Camphene (79-92-5)	
LD50 oral rat	> 5000 mg/kg

Camphene (79-92-5)	
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit

Bornan-2-one (76-22-2)	
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 Inhalation - Rat	> 10 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)
LC50 Inhalation - Rat (Dust/Mist)	> 5 mg/l
ATE GB CLP (oral)	500 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

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

citral (5392-40-5)	
LD50 oral rat	≈ 6800 mg/kg bodyweight Animal: rat
LD50 oral	4960 mg/kg bodyweight
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Remarks on results: other:
LD50 dermal rabbit	2250 mg/kg
LD50 dermal	2250 mg/kg bodyweight
ATE GB CLP (oral)	4960 mg/kg bodyweight
ATE GB CLP (dermal)	2250 mg/kg bodyweight

Citronellal (106-23-0)	
LD50 oral rat	2420 mg/kg Source: NLM;ChemIDplus, TOMES;LOLI;
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Remarks on results: other:
LD50 dermal rabbit	2500 – 5000 mg/kg bodyweight Animal: rabbit
ATE GB CLP (oral)	2420 mg/kg bodyweight
ATE GB CLP (dermal)	2500 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

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

Piperonal (120-57-0)	
LD50 oral rat	2700 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 2350 - 3100
LD50 dermal rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: other:, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
ATE GB CLP (oral)	2700 mg/kg bodyweight

7-hydroxy-3,7-dimethyloctanal (107-75-5)	
LD50 oral rat	> 6400 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 oral	> 5000 mg/kg bodyweight
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit
LD50 dermal	> 2000 mg/kg bodyweight

linalyl acetate (115-95-7)	
LD50 oral rat	> 9000 mg/kg bodyweight Animal: rat, Remarks on results: other:
LD50 dermal rabbit	> 5000 mg/kg bodyweight Animal: rabbit

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)

3,7,7-trimethylbicyclo[4.1.0]hept-3-ene (13466-78-9)	
LD50 oral rat	4800 mg/kg
ATE GB CLP (oral)	4800 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

Neryl acetate (141-12-8)	
LD50 oral rat	> 5000 mg/kg Source: National Library of Medicine
LD50 dermal rabbit	> 5000 mg/kg Source: National Library of Medicine

p-Mentha-1,4(8)-diene (586-62-9)	
LD50 oral rat	> 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method)

p-Mentha-1,4(8)-diene (586-62-9)	
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LD50 dermal rabbit	> 4300 mg/kg Source: ECHA

(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

Terpineol (8000-41-7)	
LD50 oral	> 2000 mg/kg bodyweight
LD50 dermal rabbit	> 3000 mg/kg
LD50 dermal	> 2000 mg/kg bodyweight
LC50 Inhalation - Rat (Dust/Mist)	> 4760 mg/l

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

Thymol (89-83-8)	
LD50 oral rat	980 mg/kg bodyweight Animal: rat
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: other:
ATE GB CLP (oral)	500 mg/kg bodyweight

L-Borneol (464-45-9)	
LD50 oral rat	6500 mg/kg bodyweight Animal: rat, Remarks on results: other:
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit
ATE GB CLP (oral)	6500 mg/kg bodyweight

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

Serious eye damage/irritation : Not classified (Conclusive but not sufficient for classification)
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

citral (5392-40-5)	
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:

Citronellal (106-23-0)	
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:

7-hydroxy-3,7-dimethyloctanal (107-75-5)	
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)

Bornan-2-one (76-22-2)	
STOT-single exposure	May cause damage to organs.

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

Benzyl cinnamate (103-41-3)	
NOAEL (oral, rat, 90 days)	600 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:

benzyl salicylate (118-58-1)	
NOAEL (oral, rat, 90 days)	177 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)

citral (5392-40-5)	
LOAEC (inhalation, rat, gas, 90 days)	68 ppm Animal: rat, Animal sex: female
NOAEL (oral, rat, 90 days)	100 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)

citral (5392-40-5)	
NOAEC (inhalation, rat, gas, 90 days)	34 ppm Animal: rat, Animal sex: female
NOAEL (subchronic, oral, animal/male, 90 days)	60 mg/kg bodyweight Animal: mouse, Animal sex: male, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.

Citronellal (106-23-0)	
LOAEC (inhalation, rat, gas, 90 days)	68 ppm Animal: rat, Animal sex: female
NOAEL (oral, rat, 90 days)	100 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)
NOAEC (inhalation, rat, gas, 90 days)	34 ppm Animal: rat, Animal sex: female
NOAEL (subchronic, oral, animal/male, 90 days)	60 mg/kg bodyweight Animal: mouse, Animal sex: male, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)

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:

Piperonal (120-57-0)	
NOAEL (oral, rat, 90 days)	300 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test), Guideline: other:

linalyl acetate (115-95-7)	
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)

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)

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

HG wooden furniture cleaner	
Vaporizer	Aerosol
Viscosity, kinematic	≥ 24

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

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

butane (106-97-8)	
Vaporizer	Chemical under pressure

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)

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

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'

Benzyl cinnamate (103-41-3)	
LC50 - Fish [1]	> 0.643 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 - Crustacea [1]	2.8 mg/l Test organisms (species): Daphnia magna

Benzyl cinnamate (103-41-3)	
EC50 72h - Algae [1]	0.386 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 72h - Algae [2]	0.158 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)

benzyl salicylate (118-58-1)	
LC50 - Fish [1]	1.03 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 - Crustacea [1]	1.16 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	0.691 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 72h - Algae [2]	1.29 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)

Camphene (79-92-5)	
LC50 - Fish [1]	0.72 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 - Crustacea [1]	0.72 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	1.75 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 96h - Algae [1]	214 mg/l Source: ECOTOX

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

citral (5392-40-5)	
LC50 - Fish [1]	6.78 mg/l Test organisms (species): Leuciscus idus
EC50 - Crustacea [1]	6.8 mg/l Test organisms (species): Daphnia magna
EC50 - Other aquatic organisms [1]	7 mg/l waterflea
EC50 - Other aquatic organisms [2]	5 mg/l
EC50 72h - Algae [1]	103.8 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)

Citronellal (106-23-0)	
LC50 - Fish [1]	≈ 22 mg/l Test organisms (species): Leuciscus idus
EC50 - Crustacea [1]	8.7 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	13.33 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
EC50 72h - Algae [2]	6.74 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
EC50 96h - Algae [1]	13.33 mg/l Source: ECHA

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):

Citronellol (106-22-9)	
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'

2,6-dimethyl-7-octen-2-ol (18479-58-8)	
LC50 - Fish [1]	27.8 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 - Crustacea [1]	38 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	80 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
EC50 72h - Algae [2]	65 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
NOEC (chronic)	9.5 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

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

Piperonal (120-57-0)	
LC50 - Fish [1]	2.5 mg/l Test organisms (species): Cyprinus carpio
EC50 - Crustacea [1]	52 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	31 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
EC50 72h - Algae [2]	6.8 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
EC50 96h - Algae [1]	119.133 mg/l Source: ECOSAR

7-hydroxy-3,7-dimethyloctanal (107-75-5)	
LC50 - Fish [1]	31.6 mg/l Test organisms (species): Leuciscus idus
EC50 - Crustacea [1]	410 mg/l Test organisms (species): Daphnia magna

7-hydroxy-3,7-dimethyloctanal (107-75-5)	
EC50 - Other aquatic organisms [1]	410 mg/l waterflea
EC50 - Other aquatic organisms [2]	68 mg/l
EC50 72h - Algae [1]	123.32 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)

3,7,7-trimethylbicyclo[4.1.0]hept-3-ene (13466-78-9)	
LC50 - Fish [1]	0.53 mg/l Source: ECOSAR
EC50 96h - Algae [1]	0.648 mg/l Source: ECOSAR

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

p-Mentha-1,4(8)-diene (586-62-9)	
LC50 - Fish [1]	0.805 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 - Crustacea [1]	0.634 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	11.69 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)

(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
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)

Terpineol (8000-41-7)	
LC50 - Fish [1]	62 mg/l
EC50 - Other aquatic organisms [1]	73 mg/l waterflea
EC50 - Other aquatic organisms [2]	68 mg/l
EC50 96h - Algae [1]	5.069 mg/l Source: ECOSAR

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

Thymol (89-83-8)	
LC50 - Fish [1]	3.2 mg/l Test organisms (species): Pimephales promelas
EC50 72h - Algae [1]	110.6 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)

L-Borneol (464-45-9)	
LC50 - Fish [1]	67.8 mg/l Test organisms (species): Pimephales promelas
LC50 - Fish [2]	59 mg/l Test organisms (species): Pimephales promelas
EC50 - Crustacea [1]	14.85 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	11.69 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 96h - Algae [1]	13.795 mg/l Source: EPISUITE

12.2. Persistence and degradability

HG wooden furniture cleaner	
Persistence and degradability	Rapidly degradable

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

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

Benzyl cinnamate (103-41-3)	
Persistence and degradability	Rapidly degradable

benzyl salicylate (118-58-1)	
Persistence and degradability	Rapidly degradable

Camphene (79-92-5)	
Persistence and degradability	Rapidly degradable

Bornan-2-one (76-22-2)	
Persistence and degradability	Rapidly degradable

Caryophyllene (87-44-5)	
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

citral (5392-40-5)	
Persistence and degradability	Rapidly degradable

Citronellal (106-23-0)	
Persistence and degradability	Rapidly degradable

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

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

2,6-dimethyl-7-octen-2-ol (18479-58-8)	
Persistence and degradability	Rapidly degradable

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

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

Piperonal (120-57-0)	
Persistence and degradability	Rapidly degradable

7-hydroxy-3,7-dimethyloctanal (107-75-5)	
Persistence and degradability	Rapidly degradable

linalyl acetate (115-95-7)	
Persistence and degradability	Rapidly degradable

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

3,7,7-trimethylbicyclo[4.1.0]hept-3-ene (13466-78-9)	
Persistence and degradability	Rapidly degradable

Neryl acetate (141-12-8)	
Persistence and degradability	Rapidly degradable

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

p-Mentha-1,4(8)-diene (586-62-9)	
Persistence and degradability	Rapidly degradable

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

5-(2,3,3-trimethyl-3-cyclopentenyl)-3-methylpentan-2-ol (65113-99-7)	
Persistence and degradability	Rapidly degradable

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

Terpineol (8000-41-7)	
Persistence and degradability	Rapidly degradable

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

Thymol (89-83-8)	
Persistence and degradability	Rapidly degradable

L-Borneol (464-45-9)	
Persistence and degradability	Rapidly degradable

butane (106-97-8)	
Persistence and degradability	Rapidly degradable

12.3. Bioaccumulative potential

Pentyl salicylate (2050-08-0)	
Partition coefficient n-octanol/water (Log Pow)	4.57 Source: ChemIDplus

Benzyl acetate (140-11-4)	
Partition coefficient n-octanol/water (Log Pow)	1.96

Benzyl cinnamate (103-41-3)	
Partition coefficient n-octanol/water (Log Pow)	4.06

benzyl salicylate (118-58-1)	
Partition coefficient n-octanol/water (Log Pow)	4 Source: ECHA Registered substances

Camphene (79-92-5)	
Partition coefficient n-octanol/water (Log Pow)	4.1 Source: ICSC

Bornan-2-one (76-22-2)	
Partition coefficient n-octanol/water (Log Pow)	2.38 Source: HSDB

citral (5392-40-5)	
Partition coefficient n-octanol/water (Log Pow)	2.8

Citronellal (106-23-0)	
Partition coefficient n-octanol/water (Log Pow)	3.48 Source: AKRON

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

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

Piperonal (120-57-0)	
Partition coefficient n-octanol/water (Log Pow)	1.05

7-hydroxy-3,7-dimethyloctanal (107-75-5)	
Partition coefficient n-octanol/water (Log Pow)	1.54

linalyl acetate (115-95-7)	
Partition coefficient n-octanol/water (Log Pow)	3.93 Source: NLM;ChemIDPlus

7-methyl-3-methyleneocta-1,6-diene (123-35-3)	
Partition coefficient n-octanol/water (Log Pow)	4.17

3,7,7-trimethylbicyclo[4.1.0]hept-3-ene (13466-78-9)	
Partition coefficient n-octanol/water (Log Pow)	4.38 Source: NLM;ChemIDplus

Neryl acetate (141-12-8)	
Partition coefficient n-octanol/water (Log Pow)	3.98 Source: National Library of Medicine

L-beta-pinene (18172-67-3)	
Partition coefficient n-octanol/water (Log Pow)	4.35

p-Mentha-1,4(8)-diene (586-62-9)	
Partition coefficient n-octanol/water (Log Pow)	4.47 Source: National Library of Medicine/Hazardous Substances Data Bank

(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

Terpineol (8000-41-7)	
Partition coefficient n-octanol/water (Log Pow)	3

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

L-Borneol (464-45-9)	
Partition coefficient n-octanol/water (Log Pow)	3.01 Source: CHEMIDPLUS

12.4. Mobility in soil

Citronellal (106-23-0)	
Mobility in soil	652.1

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

cineole (470-82-6)	
Mobility in soil	223.9 Source: EPISUITE
Eugenol (97-53-0)	
Mobility in soil	409 Source: HSDB
linalyl acetate (115-95-7)	
Mobility in soil	432.4 Source: EPISUITE
3,7,7-trimethylbicyclo[4.1.0]hept-3-ene (13466-78-9)	
Mobility in soil	6324 Source: EPISUITE
Neryl acetate (141-12-8)	
Mobility in soil	3.061 Source: Quantitative Structure Activity Relation
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
L-Borneol (464-45-9)	
Mobility in soil	100.4 Source: EPISUITE

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 : Dispose of in accordance with relevant local regulations.
Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
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				
UN 1950	UN 1950	UN 1950	UN 1950	UN 1950

ADR	IMDG	IATA	ADN	RID
14.2. UN proper shipping name				
AEROSOLS (CONTAINS : butane ; propane ; White mineral oil (petroleum))	AEROSOLS (CONTAINS : butane ; propane ; White mineral oil (petroleum))	Aerosols, flammable (CONTAINS : butane ; propane ; White mineral oil (petroleum))	AEROSOLS (CONTAINS : butane ; propane ; White mineral oil (petroleum))	AEROSOLS (CONTAINS : butane ; propane ; White mineral oil (petroleum))
Transport document description				
UN 1950 AEROSOLS (CONTAINS : butane ; propane ; White mineral oil (petroleum)), 2.1, (D)	UN 1950 AEROSOLS (CONTAINS : butane ; propane ; White mineral oil (petroleum)), 2.1	UN 1950 Aerosols, flammable (CONTAINS : butane ; propane ; White mineral oil (petroleum)), 2.1	UN 1950 AEROSOLS (CONTAINS : butane ; propane ; White mineral oil (petroleum)), 2.1	UN 1950 AEROSOLS (CONTAINS : butane ; propane ; White mineral oil (petroleum)), 2.1
14.3. Transport hazard class(es)				
2.1	2.1	2.1	2.1	2.1
				
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
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)	:	5F
Special provisions (ADR)	:	190, 327, 344, 625
Limited quantities (ADR)	:	1l
Excepted quantities (ADR)	:	E0
Packing instructions (ADR)	:	P207, LP200
Special packing provisions (ADR)	:	PP87, RR6, L2
Mixed packing provisions (ADR)	:	MP9
Transport category (ADR)	:	2
Special provisions for carriage - Packages (ADR)	:	V14
Special provisions for carriage - Loading, unloading and handling (ADR)	:	CV9, CV12
Special provisions for carriage - Operation (ADR)	:	S2
Tunnel restriction code (ADR)	:	D

Transport by sea

Special provisions (IMDG)	:	63, 190, 277, 327, 344, 381, 959
Limited quantities (IMDG)	:	SP277
Excepted quantities (IMDG)	:	E0
Packing instructions (IMDG)	:	P207, LP200
Special packing provisions (IMDG)	:	PP87, L2
EmS-No. (Fire)	:	F-D
EmS-No. (Spillage)	:	S-U
Stowage category (IMDG)	:	None
Stowage and handling (IMDG)	:	SW1, SW22
Segregation (IMDG)	:	SG69

Air transport

PCA Excepted quantities (IATA)	:	E0
PCA Limited quantities (IATA)	:	Y203
PCA limited quantity max net quantity (IATA)	:	30kgG
PCA packing instructions (IATA)	:	203
PCA max net quantity (IATA)	:	75kg
CAO packing instructions (IATA)	:	203
CAO max net quantity (IATA)	:	150kg
Special provisions (IATA)	:	A145, A167, A802
ERG code (IATA)	:	10L

Inland waterway transport

Classification code (ADN)	:	5F
Special provisions (ADN)	:	190, 327, 344, 625
Limited quantities (ADN)	:	1 L
Excepted quantities (ADN)	:	E0
Equipment required (ADN)	:	PP, EX, A
Ventilation (ADN)	:	VE01, VE04
Number of blue cones/lights (ADN)	:	1

Rail transport

Classification code (RID)	:	5F
Special provisions (RID)	:	190, 327, 344, 625
Limited quantities (RID)	:	1L
Excepted quantities (RID)	:	E0
Packing instructions (RID)	:	P207, LP200
Special packing provisions (RID)	:	PP87, RR6, L2
Mixed packing provisions (RID)	:	MP9
Transport category (RID)	:	2
Special provisions for carriage – Packages (RID)	:	W14
Special provisions for carriage - Loading, unloading and handling (RID)	:	CW9, CW12
Colis express (express parcels) (RID)	:	CE2
Hazard identification number (RID)	:	23

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)

Labelling of contents	
Component	**%**
aliphatic hydrocarbons	≥30%
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 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**
14.1 - UN number	UN-No. (ADN)	Added	
14.1 - UN number	UN-No. (ADR)	Added	
	UN-No. (RID)	Added	
14.1 - UN number	UN-No. (IMDG)	Added	
14.1 - UN number	UN-No. (IATA)	Added	
14.2 - UN proper shipping name	Proper Shipping Name (ADN)	Added	
	Number of blue cones/lights (ADN)	Added	
	Ventilation (ADN)	Added	
	Equipment required (ADN)	Added	
	Excepted quantities (ADN)	Added	
	Limited quantities (ADN)	Added	
14.6 - Special precautions for user	Special provisions (ADN)	Added	
	Danger labels (ADN)	Added	
	Classification code (ADN)	Added	

Indication of changes (UK)			
Section	**Changed item**	**Change**	**Comments**
	Proper Shipping Name (RID)	Added	
	Hazard identification number (RID)	Added	
	Colis express (express parcels) (RID)	Added	
	Special provisions for carriage - Loading, unloading and handling (RID)	Added	
	Special provisions for carriage – Packages (RID)	Added	
	Transport category (RID)	Added	
	Mixed packing provisions (RID)	Added	
	Special packing provisions (RID)	Added	
	Packing instructions (RID)	Added	
	Excepted quantities (RID)	Added	
	Limited quantities (RID)	Added	
	Special provisions (RID)	Added	
14.3 - Transport hazard class(es)	Danger labels (RID)	Added	
	Classification code (RID)	Added	
	ERG code (IATA)	Added	
	Special provisions (IATA)	Added	
	CAO max net quantity (IATA)	Added	
	CAO packing instructions (IATA)	Added	
	PCA max net quantity (IATA)	Added	
	PCA packing instructions (IATA)	Added	
	PCA limited quantity max net quantity (IATA)	Added	
	PCA Limited quantities (IATA)	Added	
	PCA Excepted quantities (IATA)	Added	
	Danger labels (IATA)	Added	
	Proper Shipping Name (IATA)	Added	
	Proper Shipping Name (IMDG)	Added	
	Danger labels (IMDG)	Added	
	EmS-No. (Spillage)	Added	
	EmS-No. (Fire)	Added	
	Limited quantities (IMDG)	Added	
	Segregation (IMDG)	Added	
	Stowage and handling (IMDG)	Added	
	Stowage category (IMDG)	Added	
14.6 - Special precautions for user	Special packing provisions (IMDG)	Added	

Indication of changes (UK)			
Section	**Changed item**	**Change**	**Comments**
14.6 - Special precautions for user	Packing instructions (IMDG)	Added	
	Excepted quantities (IMDG)	Added	
	Special provisions (IMDG)	Added	
	Proper Shipping Name - Addition (ADR)	Added	
	Special provisions for carriage - Operation (ADR)	Added	
	Special provisions for carriage - Loading, unloading and handling (ADR)	Added	
	Special provisions for carriage - Packages (ADR)	Added	
	Mixed packing provisions (ADR)	Added	
	Special packing provisions (ADR)	Added	
	Packing instructions (ADR)	Added	
14.6 - Special precautions for user	Transport category (ADR)	Added	
14.6 - Special precautions for user	Special provisions (ADR)	Added	
14.6 - Special precautions for user	Excepted quantities (ADR)	Added	
14.6 - Special precautions for user	Limited quantities (ADR)	Added	
14.6 - Special precautions for user	Tunnel restriction code (ADR)	Added	
14.2 - UN proper shipping name	Proper Shipping Name (ADR)	Added	
14.3 - Transport hazard class(es)	Danger labels (ADR)	Added	
14.6 - Special precautions for user	Classification code (ADR)	Added	
14.3 - Transport hazard class(es)	Class (ADR)	Added	
	ADR Regulatory status	Modified	
	Adverse health effects caused by endocrine disrupting properties	Added	

Indication of changes (UK)			
Section	**Changed item**	**Change**	**Comments**
12.6 - Endocrine disrupting properties	Adverse effects on the environment caused by endocrine disrupting properties	Added	
10.5 - Incompatible materials	Incompatible materials	Added	
8.2 - Exposure controls	Other information	Added	
7.2 - Conditions for safe storage, including any incompatibilities	Heat and ignition sources	Added	
7.2 - Conditions for safe storage, including any incompatibilities	Storage temperature	Added	
7.2 - Conditions for safe storage, including any incompatibilities	Special rules on packaging	Added	
13.1 - Waste treatment methods	Product/Packaging disposal recommendations	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 inhalation	Added	
13.1 - Waste treatment methods	Sewage disposal recommendations	Added	
6.1 - Personal precautions, protective equipment and emergency procedures	Emergency procedures	Added	
13.1 - Waste treatment methods	Additional information	Added	
7.2 - Conditions for safe storage, including any incompatibilities	Packaging materials	Added	
7.1 - Precautions for safe handling	Additional hazards when processed	Added	

Indication of changes (UK)			
Section	**Changed item**	**Change**	**Comments**
5.2 - Special hazards arising from the substance or mixture	Fire hazard	Added	
9.1 - Information on basic physical and chemical properties	Explosive properties	Added	
5.2 - Special hazards arising from the substance or mixture	Explosion hazard	Added	
5.3 - Advice for firefighters	Firefighting instructions	Added	
6.3 - Methods and material for containment and cleaning up	For containment	Added	
6.1 - Personal precautions, protective equipment and emergency procedures	General measures	Added	
	Flammability	Modified	
5.1 - Extinguishing media	Suitable extinguishing media	Modified	
10.4 - Conditions to avoid	Conditions to avoid	Modified	
8.2 - Exposure controls	Eye protection	Modified	
4.1 - Description of first aid measures	First-aid measures after inhalation	Modified	
10.1 - Reactivity	Reactivity	Modified	
8.2 - Exposure controls	Respiratory protection	Modified	
7.2 - Conditions for safe storage, including any incompatibilities	Storage conditions	Modified	
7.1 - Precautions for safe handling	Precautions for safe handling	Modified	
2.1 - Classification of the substance or mixture	Adverse physicochemical, human health and environmental effects	Modified	

Indication of changes (UK)			
Section	**Changed item**	**Change**	**Comments**
6.1 - Personal precautions, protective equipment and emergency procedures	Emergency procedures	Modified	
6.3 - Methods and material for containment and cleaning up	Methods for cleaning up	Modified	
6.4 - Reference to other sections	Reference to other sections (8, 13)	Modified	
2.2 - Label elements	Precautionary statements (CLP)	Modified	
	Display additional SDS EU addresses	Added	
	Revision date	Modified	
2.1 - Classification of the substance or mixture	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Added	
2.2 - Label elements	Signal word (CLP)	Added	
2.2 - Label elements	Hazard pictograms (CLP)	Added	
2.2 - Label elements	Hazard statements (CLP)	Added	
3 - Composition/information on ingredients	Composition/information on ingredients	Modified	
1.1 - Product identifier	Product group	Modified	

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

Abbreviations and acronyms:	
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:	
Aerosol 1	Aerosol, Category 1
H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.

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.