

This safety data sheet was created pursuant to the requirements of:
UK REACH Regulations (SI 2019/758 as amended)

Supersedes date 01-Jul-2021**

Revision date 23-Dec-2024

Revision Number 3

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

1.1. Product identifier

Product Code(s) 55749***

Safety data sheet number 55749***

Product Name ORGANIC PEPPERMINT INDIAN

EC Number 282-015-4***

CAS No 84082-70-2***

Synonyms PEPPERMINT ORGANIC IN, PEPPERMINT OIL ORGANIC IN***

Pure substance/mixture Substance***

Contains ISOMENTHONE; LIMONENE; CARYOPHYLLENE; (-)-PIN-2(10)-ENE; 2-PINENE; MENTHONE; EUCALYPTOL TRT

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

Recommended use Cosmetics
Aromatherapy***

1.3. Details of the supplier of the safety data sheet

Supplier

Univar Solutions UK Ltd
Aquarius House
6 Mid Point Business Park
Bradford
GBR

For further information, please contact

E-mail address SDS.EMEA@univarsolutions.com

Non-Emergency Telephone Number +44 1274 267300 / +44 1274 267306

1.4. Emergency telephone number

Emergency Telephone SGS - +32 (0)3 575 55 55 (24h)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Skin corrosion/irritation	Category 2*** - (H315)***
Serious eye damage/eye irritation	Category 2*** - (H319)***
Skin sensitisation	Category 1*** - (H317)***
Chronic aquatic toxicity	Category 3*** - (H412)***

2.2. Label elements

Contains ISOMENTHONE; LIMONENE; CARYOPHYLLENE; (-)-PIN-2(10)-ENE; 2-PINENE; MENTHONE; EUCALYPTOL TRT



Signal word

Warning***

Hazard statements

H315 - Causes skin irritation

H317 - May cause an allergic skin reaction

H319 - Causes serious eye irritation

H412 - Harmful to aquatic life with long lasting effects***

Precautionary statements

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray

P273 - Avoid release to the environment

P280 - Wear protective gloves and eye/face protection

P391 - Collect spillage***

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.1 Substances***

Chemical name	Weight-%	EC No (EU Index No)	UK REACH registration number	Classification according to GB CLP (SI 2020/1567 as amended)	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)
MENTHOL*** 89-78-1	30 - 40%	201-939-0***	-	Skin Irrit. 2 (H315)***	-	-	-
MENTHONE*** 89-80-5	20 - 30%	201-941-1***	-	Skin Irrit. 2 (H315) Skin Sens. 1B (H317)***	-	-	-
EUCALYPTOL TRT*** 470-82-6	0 - 10%	207-431-5***	-	Flam. Liq. 3 (H226) Skin Sens. 1B (H317)***	-	-	-
ISOMENTHONE***	0 - 10%	207-727-4***	-	Skin Sens. 1 (H317)	-	-	-

491-07-6				Skin Irrit. 2 (H315)***			
MENTHYL ACETATE*** 29066-34-0	0 - 10%	240-459-6***	-	Aquatic Chronic 2 (H411)***	-	-	-
4,5,6,7-TETRAHYD RO-3,6-DIMETHYL BENZOFURAN*** 494-90-6	0 - 10%	207-795-5***	-	Aquatic Chronic 2 (H411) Acute Tox. 4 (H302) Skin Irrit. 2 (H315)***	-	-	-
(+)-NEOMENTHOL* ** 2216-52-6	0 - 10%	218-691-4***	-	Eye Irrit. 2 (H319) Skin Irrit. 2 (H315)***	-	-	-
LIMONENE*** 138-86-3	0 - 10%	205-341-0 (601-029-00 -7)***	-	Flam. Liq. 3 (H226) Skin Irrit. 2 (H315) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)***	-	-	-
CARYOPHYLLENE *** 87-44-5	0 - 10%	201-746-1***	-	Skin Sens. 1B (H317) Asp. Tox. 1 (H304) Aquatic Chronic 4 (H413)***	-	-	-
2-ISOPROPYLIDEN E-5-METHYLCYCL OHEXANONE*** 15932-80-6	0 - 10%	240-070-1***	-	Acute Tox. 4 (H302)***	-	-	-
(-)-PIN-2(10)-ENE*** 18172-67-3	0 - 10%	242-060-2***	-	Asp. Tox. 1 (H304) Flam. Liq. 3 (H226) Skin Sens. 1 (H317) Aquatic Chronic 1 (H410) Skin Irrit. 2 (H315)***	-	-	-
2-PINENE*** 80-56-8	0 - 10%	201-291-9***	-	Asp. Tox. 1 (H304) Flam. Liq. 3 (H226) Skin Sens. 1 (H317) Aquatic Chronic 1 (H410) Acute Tox. 4 (H302) Skin Irrit. 2 (H315)***	-	-	-
NEOISOMENTHOL *** 491-02-1	0 - 10%	207-724-8***	-	Skin Irrit. 2 (H315)***	-	-	-
ECHINACEA PURPUREA, EXT*** 90028-20-9	0 - 10%	289-808-4***	-	-	-	-	-
P-MENTH-1-EN-4- OL *** 562-74-3	0 - 10%	209-235-5***	-	Eye Irrit. 2 (H319) Acute Tox. 4 (H302) Skin Irrit. 2 (H315)***	-	-	-
p-MENTH-1-EN-8-O L *** 98-55-5	0 - 10%	202-680-6***	-	Eye Irrit. 2 (H319) Skin Irrit. 2 (H315)***	-	-	-
6-ISOPROPYL-3-M ETHYLCYCLOHEX- 2-ENONE*** 89-81-6	0 - 10%	201-942-7***	-	-	-	-	-
THUJ-4(10)-ENE*** 3387-41-5	0 - 10%	222-212-4***	-	Flam. Liq. 3 (H226)***	-	-	-
P-MENTHA-1,4-DIE NE*** 99-85-4	0 - 10%	202-794-6***	-	Asp. Tox. 1 (H304) Flam. Liq. 3 (H226) Repr. 2 (H361d)***	-	-	-

p-CYMENE*** 99-87-6	0 - 10%	202-796-7***	-	Aquatic Chronic 2 (H411) Asp. Tox. 1 (H304) Flam. Liq. 3 (H226) Repr. 2 (H361) Acute Tox. 3 (H331)***	-	-	-
NEOISOMENTHYL ACETATE*** 5157-89-1	0 - 10%	-	-	-	-	-	-
(1A,2A,5A)-2-METHYL-5-(1-METHYLETHYL)BICYCLO[3.1.0]HEXAN-2-OL *** 17699-16-0	0 - 10%	241-703-4***	-	-	-	-	-
OCTAN-3-OL *** 589-98-0	0 - 10%	209-667-4***	-	Eye Irrit. 2 (H319) Skin Irrit. 2 (H315)***	-	-	-
CYCLOBUTAN-1,2,3,4-DICYCLOPENTENE, DECAHYDRO-3A-METHYL-6-METHYLENE-1-(1-METHYLETHYL)-, (1S,3AS,3BR,6AS,6BR)-*** 5208-59-3	0 - 10%	610-778-9***	-	-	-	-	-
LINALOOL*** 78-70-6	0 - 10%	201-134-4 (603-235-00-2)***	-	Skin Irrit. 2 (H315) Skin Sens. 1B (H317) Eye Irrit. 2 (H319) ***	-	-	-

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

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (UK REACH Article 59)

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice	Show this safety data sheet to the doctor in attendance.***
Inhalation	Remove to fresh air. Get medical attention immediately if symptoms occur.***
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists.***
Skin contact	May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a doctor. Wash off immediately with soap and plenty of water for at least 15 minutes.***
Ingestion	Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a doctor.***
Self-protection of the first aider	Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).***

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

Symptoms	Itching. Rashes. Hives. May cause redness and tearing of the eyes. Burning sensation.***
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Eyes	Causes serious eye irritation. May cause redness and tearing of the eyes.***
Dermal	Hives. Erythema (skin redness). Prolonged contact may cause redness and irritation. May cause an allergic skin reaction. Causes skin irritation.***

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

Note to doctors	May cause sensitisation in susceptible persons. Treat symptomatically.***
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
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Large Fire	CAUTION: Use of water spray when fighting fire may be inefficient.
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Unsuitable extinguishing media	Do not scatter spilled material with high pressure water streams.
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5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical	Product is or contains a sensitiser. May cause sensitisation by skin contact.***
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Hazardous combustion products	Carbon oxides.***
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5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required.***
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Other information	Refer to protective measures listed in Sections 7 and 8.***
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For emergency responders	Use personal protection recommended in Section 8.
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6.2. Environmental precautions

Environmental precautions	Prevent further leakage or spillage if safe to do so.***
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6.3. Methods and material for containment and cleaning up

Methods for containment	Prevent further leakage or spillage if safe to do so.
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Methods for cleaning up	Take up mechanically, placing in appropriate containers for disposal.
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Prevention of secondary hazards	Clean contaminated objects and areas thoroughly observing environmental regulations.
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6.4. Reference to other sections

Reference to other sections See section 8 for more information. See section 13 for more information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Take off contaminated clothing and wash it before reuse.***

General hygiene considerations Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes or clothing.***

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place.***

7.3. Specific end use(s)

Specific use(s)
See section 1 for more information.

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Biological occupational exposure limits This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

Derived No Effect Level (DNEL) - Workers ***

Chemical name	Oral	Dermal	Inhalation
MENTHOL*** 89-78-1		13.15 mg/kg bw/day [4] [6]***	46.4 mg/m ³ [4] [6]***
MENTHONE*** 89-80-5		1.98 mg/kg bw/day [4] [6] 11.2 mg/kg bw/day [4] [6]***	6.99 mg/m ³ [4] [6] 39.5 mg/m ³ [4] [6]***
EUCALYPTOL TRT*** 470-82-6		2 mg/kg [4] [6]***	7.05 mg/kg [4] [6]***
LIMONENE*** 138-86-3		222 µg/cm ² [7]***	33.3 mg/m ³ [6]***
2-PINENE*** 80-56-8		0.542 mg/kg bw/day [4] [6]***	3.8 mg/m ³ [4] [6]***
P-MENTHA-1,4-DIENE*** 99-85-4		0.833 mg/kg bw/day [4] [6]***	2.939 mg/m ³ [4] [6]***
LINALOOL*** 78-70-6		15 mg/cm ² [5] [6]***	2.8 mg/m ³ [4] [6]***

[4]	Systemic health effects.***
[5]	Local health effects.***
[6]	Long term.***
[7]	Short term.***

Derived No Effect Level (DNEL) - General Public ***

Chemical name	Oral	Dermal	Inhalation
MENTHOL*** 89-78-1	4.7 mg/kg bw/day [4] [6]***		8.17 mg/m ³ [4] [6]***
MENTHONE*** 89-80-5	0.709 mg/kg bw/day [4] [6] 4 mg/kg bw/day [4] [6]***		1.05 mg/m ³ [4] [6] 5.92 mg/m ³ [4] [6]***
EUCALYPTOL TRT*** 470-82-6	600 mg/kg bw/day [4] [6]***	1 mg/kg/day [4] [6]***	1.74 mg/m ³ [4] [6]***
LIMONENE*** 138-86-3	4.76 mg/kg [6]***	111 µg/cm ² [7]***	8.33 mg/m ³ [6]***
2-PINENE*** 80-56-8	0.225 mg/kg bw/day [4] [6]***		0.674 mg/m ³ [4] [6]***
P-MENTHA-1,4-DIENE*** 99-85-4	0.417 mg/kg bw/day [4] [6]***		0.725 mg/m ³ [4] [6]***
LINALOOL*** 78-70-6	0.2 mg/kg/day [4] [6]***	15 mg/cm ² [5] [6]***	0.7 mg/m ³ [4] [6]***

[4]	Systemic health effects.***
[5]	Local health effects.***
[6]	Long term.***
[7]	Short term.***

Predicted No Effect Concentration (PNEC) ***

Chemical name	Freshwater	Freshwater (intermittent release)	Marine water	Marine water (intermittent release)	Air
MENTHOL*** 89-78-1	0.0162 mg/L***		0.00162 mg/L***		
EUCALYPTOL TRT*** 470-82-6	0.057 mg/l***	0.57 mg/L***	0.0057 mg/l***		
LIMONENE*** 138-86-3	5.4 µg/l***		0.54 µg/l***		
2-PINENE*** 80-56-8	0.606 µg/L***	3.03 µg/L***	0.0606 µg/L***	0.303 µg/L***	
p-MENTH-1-EN-8-OL*** 98-55-5	68 µg/l***		6.8 µg/l***		
P-MENTHA-1,4-DIENE*** 99-85-4	0.002792 mg/L***		0.0002792 mg/L***		
p-CYMENE*** 99-87-6	0.004 mg/l***		0 mg/l***		
LINALOOL*** 78-70-6	0.2 mg/l***	2 mg/L***	0.02 mg/l***		

Chemical name	Freshwater sediment	Marine sediment	Sewage treatment	Soil	Food chain
MENTHOL*** 89-78-1	0.20112 mg/kg sediment dw***	0.02011 mg/kg sediment dw***	3.06 mg/L***	0.03063 mg/kg soil dw***	
EUCALYPTOL TRT***	0.06732 mg/kg***	0.00673 mg/kg***	10 mg/L***	0.2 mg/kg***	10 mg/l***

Chemical name	Freshwater sediment	Marine sediment	Sewage treatment	Soil	Food chain
470-82-6					
LIMONENE*** 138-86-3	1.649 mg/kg/day***	0.165 mg/kg/day***		0.328 mg/kg***	1.8 mg/l***
2-PINENE*** 80-56-8	157 µg/kg sediment dw***	15.7 µg/kg sediment dw***	0.2 mg/L***	31.7 µg/kg soil dw***	8.76 mg/kg food***
p-MENTH-1-EN-8-OL *** 98-55-5	1.85 mg/kg***	0.185 mg/kg***	2.6 mg/L***	0.329 mg/kg***	2.6 mg/l***
P-MENTHA-1,4-DIENE*** 99-85-4	0.490056696 mg/kg sediment dw***	0.0490056696 mg/kg sediment dw***	10 mg/L***	0.422765624 mg/kg soil dw***	
p-CYMENE*** 99-87-6	1.52 mg/kg***	0.152 mg/kg***		0.302 mg/kg***	10 mg/l***
LINALOOL*** 78-70-6	2.22 mg/kg***	0.222 mg/kg***	10 mg/L***	0.327 mg/kg***	> 10 mg/l***

8.2. Exposure controls

Engineering controls

No information available.

Personal protective equipment

Eye/face protection

Wear safety glasses with side shields (or goggles). Use eye protection according to EN 166.***

Hand protection

Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. Gloves must conform to standard EN 374.***

Skin and body protection

Wear suitable protective clothing. Long sleeved clothing.***

Respiratory protection

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

General hygiene considerations

Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes or clothing.***

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid***
Appearance	Liquid***
Colour	Colourless green Light (or pale) or yellow***
Odour	Characteristic.***
Odour threshold	No information available

Property

Values

Remarks • Method

Melting point / freezing point	No information available.
Initial boiling point and boiling range	No information available.
Flammability	No information available.
Flammability Limit in Air	No information available.
Upper flammability or explosive limits	

Lower flammability or explosive limits		
Flash point	78*** °C***	***
Autoignition temperature		No information available.
Decomposition temperature		No information available.
pH		No information available.
pH (as aqueous solution)		No information available.
Kinematic viscosity		No information available.
Dynamic viscosity		No information available.
Water solubility	No data available	No information available.
Solubility(ies)		No information available.
Partition coefficient		No information available.
Vapour pressure		No information available.
Relative density	0.880*** -*** 0.916***	20.0 °C.***
Bulk density		No information available
Liquid Density	No information available	No information available
Relative vapour density		No information available.
Particle characteristics		No information available.
Particle Size	No information available	
Particle Size Distribution	No information available	
Explosive properties	No information available	
Oxidising properties	No information available	

9.2. Other information

Refractive Index	1.450 - 1.470***
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SECTION 10: Stability and reactivity**10.1. Reactivity**

Reactivity	Stable under recommended storage conditions.***
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10.2. Chemical stability

Stability	Stable under normal conditions.
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Explosion data

Sensitivity to mechanical impact	None.
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Sensitivity to static discharge	None.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	None under normal processing.
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Hazardous polymerisation	Hazardous polymerisation does not occur.***
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10.4. Conditions to avoid

Conditions to avoid	Excessive heat.***
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10.5. Incompatible materials

Incompatible materials	Strong acids. Strong bases. Strong oxidising agents.***
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10.6. Hazardous decomposition products

Hazardous decomposition products	Carbon oxides.***
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SECTION 11: Toxicological information

11.1. Information on toxicological effects**Information on likely routes of exposure**

Product Information	***
Inhalation	May cause irritation.***
Eye contact	Causes serious eye irritation.***
Skin contact	Causes skin irritation. May cause an allergic skin reaction.***
Ingestion	Gastrointestinal discomfort.***

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Itching. Rashes. Hives. Redness. May cause redness and tearing of the eyes.***

Acute toxicity**Numerical measures of toxicity**

Component Information	***		
Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
MENTHOL ***	= 3180 mg/kg (Rat) ***	-	= 5289 mg/m ³ (Rat) 4 h***
MENTHONE***	= 500 mg/kg (Rat) ***	-	-
EUCALYPTOL TRT***	= 2480 mg/kg (Rat) ***	-	-
MENTHYL ACETATE***	-	> 5000 mg/kg (Rabbit)***	-
LIMONENE***	= 5300 mg/kg (Rat) ***	-	-
2-ISOPROPYLIDENE-5-METHYLCYCLOHEXANONE***	= 470 mg/kg (Rat) ***	-	-
2-PINENE***	= 3700 mg/kg (Rat) ***	> 5000 mg/kg (Rat)***	-
P-MENTH-1-EN-4-OL ***	= 1300 mg/kg (Rat) ***	> 3 g/kg (Rabbit)***	-
p-MENTH-1-EN-8-OL ***	= 5170 mg/kg (Rat) ***	> 2000 mg/kg (Rat)***	-
6-ISOPROPYL-3-METHYLCYCLOHEX-2-ENONE***	= 2450 mg/kg (Rat) ***	-	-
P-MENTHA-1,4-DIENE***	= 3650 mg/kg (Rat) ***	> 2000 mg/kg (Rat)***	-
p-CYMENE***	= 4750 mg/kg (Rat) ***	> 5000 mg/kg (Rabbit)***	> 9.7 mg/L (Rat) 5 h***
OCTAN-3-OL ***	> 5 g/kg (Rat) ***	> 5000 mg/kg (Rabbit)***	-
LINALOOL ***	= 2790 mg/kg (Rat) ***	= 5610 mg/kg (Rabbit)***	-

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation Causes skin irritation.***

Serious eye damage/eye irritation	Causes serious eye irritation.***
Respiratory or skin sensitisation	May cause an allergic skin reaction.***
Germ cell mutagenicity	No information available.
Carcinogenicity	No information available.
Reproductive toxicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Aspiration hazard	No information available.
Other adverse effects	No information available.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity Harmful to aquatic life with long lasting effects.***

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
EUCALYPTOL TRT***	-	LC50: 95.4 - 109mg/L (96h, Pimephales promelas)***	-	-
2-PINENE***	-	LC50: =0.28mg/L (96h, Pimephales promelas)***	-	LC50: =41mg/L (48h, Daphnia magna)***
OCTAN-3-OL***	EC50: =2.7mg/L (96h, Pseudokirchneriella subcapitata)***	LC50: 4.78 - 8.85mg/L (96h, Oncorhynchus mykiss) LC50: 3.6 - 5.1mg/L (96h, Lepomis macrochirus)***	-	EC50: =3mg/L (48h, Daphnia magna) EC50: =320mg/L (48h, Daphnia magna) EC50: =8.5mg/L (48h, Daphnia magna) EC50: 4.78 - 8.87mg/L (48h, Daphnia magna)***
LINALOOL***	EC50: =88.3mg/L (96h, Desmodesmus subspicatus)***	LC50: =27.8mg/L (96h, Oncorhynchus mykiss)***	-	EC50: =20mg/L (48h, Daphnia magna)***

12.2. Persistence and degradability

Persistence and degradability No information available.***

12.3. Bioaccumulative potential

Bioaccumulation No information available.***

Component Information ***

Chemical name	Partition coefficient
MENTHOL ***	3.4***
MENTHONE***	2.295***
EUCALYPTOL TRT***	3.4***
ISOMENTHONE***	3.05***
MENTHYL ACETATE***	4***
(+)-NEOMENTHOL ***	3.4***
CARYOPHYLLENE***	6.23***
2-PINENE***	4.1***
6-ISOPROPYL-3-METHYLCYCLOHEX-2-ENONE***	2.4***
THUJ-4-(10)-ENE***	5.5***
P-MENTHA-1,4-DIENE***	5.4***
p-CYMENE***	4.8***
OCTAN-3-OL ***	2.73***
LINALOOL ***	2.9***

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment The product does not contain any substance(s) classified as PBT or vPvB.

Chemical name	PBT and vPvB assessment
MENTHOL ***	The substance is not PBT / vPvB***
MENTHONE***	The substance is not PBT / vPvB***
EUCALYPTOL TRT***	The substance is not PBT / vPvB***
CARYOPHYLLENE***	PBT assessment does not apply***
(-)-PIN-2(10)-ENE***	The substance is not PBT / vPvB PBT assessment does not apply***
2-PINENE***	The substance is not PBT / vPvB***
P-MENTH-1-EN-4-OL ***	The substance is not PBT / vPvB***
p-MENTH-1-EN-8-OL ***	The substance is not PBT / vPvB PBT assessment does not apply***
P-MENTHA-1,4-DIENE***	The substance is not PBT / vPvB***
p-CYMENE***	The substance is not PBT / vPvB***
LINALOOL ***	The substance is not PBT / vPvB***

12.6. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

SECTION 14: Transport information**IATA**

14.1 UN number or ID number	Not regulated
14.2	
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	
Special Provisions	None

IMDG

14.1 UN number or ID number	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	
Special Provisions	None
14.7 Maritime transport in bulk according to IMO instruments	No information available

RID

14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	
Special Provisions	None

ADR

14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	
Special Provisions	None

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations**

Authorisations and/or restrictions on use:

This product contains one or more substances subject to restriction (UK REACH - Annex XVII).
 This product does not contain substances subject to authorisation (UK REACH - Annex XIV).***

Persistent Organic Pollutants

Not applicable

Export Notification requirements

Not applicable

Named dangerous substances per COMAH Regulations 2015 (as amended)

Not applicable

The Ozone-Depleting Substances Regulations 2015

Not applicable

The Biocidal Products Regulations 2001 (as amended)

Not applicable

The Water Environment (Water Framework Directive) (England and Wales) Regulations 2017 (as amended)

Not applicable

Poisons Act 1972 (Explosive Precursors) Regulations (as Amended)

Not applicable

International Inventories

TSCA	Contact supplier for inventory compliance status
DSL/NDL	Contact supplier for inventory compliance status
EINECS/ELINCS	Contact supplier for inventory compliance status
ENCS	Contact supplier for inventory compliance status
IECSC	Contact supplier for inventory compliance status
KECI	Contact supplier for inventory compliance status
PICCS	Contact supplier for inventory compliance status
AIIC	Contact supplier for inventory compliance status
NZIoC	Contact supplier for inventory compliance status

Legend:

- TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AIIC - Australian Inventory of Industrial Chemicals
NZIoC - New Zealand Inventory of Chemicals

15.2. Chemical safety assessment

Chemical Safety Report A Chemical Safety Assessment has been carried out for this substance***

SECTION 16: Other information**Key or legend to abbreviations and acronyms used in the safety data sheet****Full text of H-Statements referred to under section 3**

- H226 - Flammable liquid and vapour
H302 - Harmful if swallowed
H304 - May be fatal if swallowed and enters airways
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H361d - Suspected of damaging the unborn child
H400 - Very toxic to aquatic life
H410 - Very toxic to aquatic life with long lasting effects
H413 - May cause long lasting harmful effects to aquatic life***

Legend

SVHC: Substances of Very High Concern for Authorisation:

Legend Section 8: Exposure controls/personal protection

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation
+	Sensitisers		
Revision Note ***Indicates updated data since last publication			

Classification procedure

Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used
Acute oral toxicity***	Calculation method***
Acute dermal toxicity***	Calculation method***
Acute inhalation toxicity - gas***	Calculation method***
Acute inhalation toxicity - vapour***	Calculation method***
Acute inhalation toxicity - dust/mist***	Calculation method***
Skin corrosion/irritation***	Calculation method***
Serious eye damage/eye irritation***	Calculation method***
Respiratory sensitisation***	Calculation method***
Skin sensitisation***	Calculation method***
Mutagenicity***	Calculation method***
Carcinogenicity***	Calculation method***
Reproductive toxicity***	Calculation method***
STOT - single exposure***	Calculation method***
STOT - repeated exposure***	Calculation method***
Acute aquatic toxicity***	Calculation method***
Chronic aquatic toxicity***	Calculation method***
Aspiration hazard***	Calculation method***
Ozone***	Calculation method***

Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)
 U.S. Environmental Protection Agency ChemView Database
 European Food Safety Authority (EFSA)
 European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA_RAC)
 European Chemicals Agency (ECHA) (ECHA_API)
 Environmental Protection Agency
 Acute Exposure Guideline Level(s) (AEGL(s))
 U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
 U.S. Environmental Protection Agency High Production Volume Chemicals
 Food Research Journal
 Hazardous Substance Database
 International Uniform Chemical Information Database (IUCLID)
 National Institute of Technology and Evaluation (NITE)
 Australian National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
 NIOSH (National Institute for Occupational Safety and Health)
 National Library of Medicine's ChemID Plus (NLM CIP)
 National Library of Medicine's PubMed database (NLM PUBMED)
 U.S. National Toxicology Program (NTP)
 New Zealand's Chemical Classification and Information Database (CCID)
 Organisation for Economic Co-operation and Development Environment, Health, and Safety Publications
 Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme
 Organisation for Economic Co-operation and Development Screening Information Data Set
 World Health Organization

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Supersedes date 01-Jul-2021***

Revision date 23-Dec-2024

This material safety data sheet complies with the requirements of UK REACH Regulations (SI 2019/758 as amended)
 Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet