

Safety data sheet

Issue date: 26-10-2015

Version: 01.00/EU_UK

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

1.1. Product identifier

Trade name: Ocean

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

Recommended uses: Aromatisation

1.3. Details of the supplier of the safety data sheet

Supplier: Vaportek Europe Ltd
Sterlings
Lawford House, Albert Place N3 1QA, London
UK
Tel: +41 22 342 2145
Email: vaportek@gmail.com

1.4. Emergency telephone number

Emergency telephone number: +41 223 422 145
Emergency telephone comments: The emergency telephone is open between 8 a.m. and 4 p.m. on workdays.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

CLP-classification (Regulation (EC) No 1272/2008): Skin Sens. 1; H317 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Aquatic Chronic 1; H410 Asp. Tox. 1; H304 Aquatic Acute 1; H400

Please see section 16 for the full text of H-phrases.

Most serious harmful effects: May cause an allergic skin reaction. Causes skin irritation. Causes serious eye irritation. Very toxic to aquatic life with long lasting effects. May be fatal if swallowed and enters airways. Very toxic to aquatic life.

This product is designed in such a manner, that when used as directed it represents no risk or harm to the user and/or the environment.

2.2. Label elements



Signal word:

Danger

Contains:

D-Limonene, 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one, 4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde, Petitgrainol paraguay, 2-(4-tert-butylbenzyl)propionaldehyde

H-phrases:

May cause an allergic skin reaction.(H317)
Causes skin irritation.(H315)
Causes serious eye irritation.(H319)
Very toxic to aquatic life with long lasting effects.(H410)
May be fatal if swallowed and enters airways.(H304)

P-phrases:

Avoid release to the environment.(P273)

Wear protective gloves/eye protection/face protection.(P280-høa)
 IF SWALLOWED: Immediately call a POISON CENTER/doctor(P301/310)
 Do NOT induce vomiting.(P331)
 IF ON SKIN: Wash with plenty of water.(P302/352-a)
 Get medical advice/attention if you feel unwell.(P314)
 If skin irritation or rash occurs: Get medical advice/attention.(P333/313)

Supplemental information:

Contains Coriander oil, 3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one, [3R-(3alpha,3abeta,7beta,8aalp ha)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one, Benzyl-acetate, Lemon oil, Citronellol, Geraniol,2-benzylideneheptanal, 3-p-cumenyl-2-methylpropionaldehyde,alpha-hexylcinnamaldehyde,Benzoic acid, Lavandin oil, Lemon oil terpenes, Lime Terpenes Oil, 7-hydroxycitronellal,Cedar leaf oil, Geranyl-acetate. May produce an allergic reaction.

2.3. Other hazards

Assessment to determine PBT and vPvB has not been made.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Registration number	CAS/ EC No.	Substance	CLP-classification (Regulation (EC) No 1272/2008)	w/w%	Note
.	5989-27-5-C 227-813-5	D-Limonene	Flam. Liq. 3;H226 Skin Irrit. 2;H315 Skin Sens. 1;H317 Aquatic Acute 1;H400 Aquatic Chronic 1;H410 Asp. Tox. 1;H304	10-15	.
.	120-51-4 204-402-9	Benzyl benzoate	Acute Tox. 4;H302 Aquatic Chronic 2;H411	10-15	.
.	54464-57-2 259-174-3	1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	Skin Irrit. 2;H315 Skin Sens. 1;H317 Aquatic Chronic 1;H410	10-15	.
.	1506-02-1-B 216-133-4	1-(5,6,7,8-tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthyl)ethan-1-one	Acute Tox. 4;H302 Aquatic Acute 1;H400 Aquatic Chronic 1;H410	5-10	.
.	28219-61-6 248-908-8	2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol	Eye Irrit. 2;H319 Aquatic Acute 1;H400 Aquatic Chronic 1;H410	2,5-5	.
.	1222-05-5 214-946-9	1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	Aquatic Acute 1;H400 Aquatic Chronic 1;H410	2,5-5	.
.	78-70-6-F 201-134-4	Linalool	Skin Irrit. 2; H315 Eye Irrit. 2;H319 STOT SE 3;H335	2,5-5	.
.	31906-04-4 250-863-4 8014-17-3-A	4-(4-hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde Petitgrainol paraguay	Skin Sens. 1; H317 Flam. Liq. 3;H226, Asp. Tox. 1;H304 Skin Irrit. 2;H315 Skin Sens. 1;H317 Eye Dam. 1;H318 Aquatic Acute 1;H400 Aquatic Chronic 1;H410	1-2,5 1-2,5	.
.	80-54-6-C 201-289-8	2-(4-tert-butylbenzyl)propionaldehyde	Acute Tox. 4; H302 Skin Irrit. 2;H315 Skin Sens. 1B; H317 Aquatic Chronic 2; H411 Repr. 2; H361f	1-2,5	.
.	8008-52-4-A	Coriander oil	Asp. Tox. 1;H304 Skin Irrit. 2;H315 Skin Sens. 1;H317 Aquatic Chronic 2;H411	<1	.
.	127-51-5-D 204-846-3	3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	Skin Irrit. 2;H315 Eye Irrit. 2;H319 Skin Sens. 1B; H317 Aquatic Chronic 2;H411	<1	.
.	32388-55-9 251-020-3	[3R-(3alpha,3abeta,7beta,8aalp ha)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one	Skin Sens. 1;H317 Aquatic Chronic 1; H410	<1	.
.	8008-56-8-B --	Lemon oil	Flam. Liq. 3;H226 Asp. Tox. 1;H304 Skin Irrit. 2;H315 Skin Sens. 1;H317 Aquatic Acute 1;H400 Aquatic Chronic 1;H410	<1	.
.	106-22-9-D 203-375-0	Citronellol	Eye Irrit. 2;H319 Skin Irrit. 2; H315 Skin Sens. 1; H317 Aquatic Chronic 2;H411	<1	.
.	106-24-1-F 203-377-1	Geraniol	Skin Irrit. 2;H315 Skin Sens. 1;H317 Eye Dam. 1;H318	<1	.

122-40-7-C	2-benzylideneheptanal	Skin Sens. 1;H317 Aquatic Chronic 2;H411	<1
204-541-5			
103-95-7-E	3-p-cumenyl-2-methylpropionaldehyde	Skin Irrit. 2; H315 Skin Sens. 1; H317 Aquatic Chronic 2;H411	<1
203-161-7			
101-86-0-C	alpha-hexylcinnamaldehyde	Skin Irrit. 2; H315 Skin Sens. 1B; H317	<1
202-983-3			
118-58-1-C	Benzoic acid	Skin Sens. 1;H317 Aquatic Chronic 2;H411	<1
204-262-9			
8022-15-9-A	Lavandin oil	Skin Irrit. 2; H315 Skin Sens. H317 Aquatic Chronic 3; H412	<1
68917-33-9	Lemon oil terpenes	Flam. Liq. 3;H226 Asp. Tox. 1;H304 Skin Irrit. 2;H315 Skin Sens. 1;H317 Aquatic Chronic 1;H410	<1
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68917-71-5	Lime Terpenes Oil	Flam. Liq. 3;H226 Asp.Tox. 1;H304 Skin Irrit. 2;H315 Skin Sens. 1;H317 Aquatic Acute 1;H400 Aquatic Chronic 1;H410	<1
107-75-5-A	7-hydroxycitronellal	Eye Irrit. 2; H319 Skin Sens. 1B; H317	<1
203-518-7			
8007-20-3-A	Cedar leaf oil	Acute Tox. 4;H302 Asp. Tox. 1;H304 Skin Sens. 1;H317 Aquatic Chronic 2;411	<1
105-87-3-B	Geranyl-acetate	Skin Irrit. 2;H315 Skin Sens. 1;H317	<1
203-341-5		Aquatic Chronic 3;H412	

Please see section 16 for the full text of H-phrases.

Other information: Any letters after the CAS number refer to individual data sets.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation:	Seek fresh air. Seek medical advice in case of persistent discomfort.
Ingestion:	Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Do not induce vomiting. If vomiting occurs, keep head low so that stomach contents do not enter lungs. Immediately call a POISON CENTER or doctor/physician.
Skin:	Remove contaminated clothing. Wash the skin thoroughly with water and continue washing for a long time. Seek medical advice in case of persistent discomfort.
Eyes	Flush immediately with water (preferably using eye wash equipment) for at least 5 minutes. Open eye wide. Remove any contact lenses. Seek medical advice.
Burns:	Flush with water until pain ceases. Remove clothing that is not stuck to the skin – seek medical advice/transport to hospital. If possible, continue flushing until medical attention is obtained.
Other information:	When obtaining medical advice, show the safety data sheet or label.

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

Irritating to skin – may cause reddening. May cause sensitization by skin contact. Symptoms include reddening, swelling, blistering and ulceration – often slowly developing. The product releases organic solvent vapours which may cause lethargy and dizziness. At high concentrations, the vapours may cause headache and intoxication. Irritating to eyes. Causes a burning sensation and tearing. May cause chemical pneumonia if ingested or vomited.

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

Treat symptoms. No special immediate treatment required.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Extinguish with powder, foam, carbon dioxide or water mist. Use water or water mist to cool non-ignited stock.
Unsuitable extinguishing media	Do not use water stream, as it may spread the fire.

5.2. Special hazards arising from the substance or mixture

The product decomposes when combusted and the following toxic gases can be formed: Carbon monoxide and carbon dioxide.

5.3. Advice for firefighters

Move containers from danger area if it can be done without risk. Avoid inhalation of vapour and flue gases – seek fresh air. Wear Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely.#CX

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Stay upwind/keep distance from source. Stop leak if this can be done without risk. Wear gloves. In case of insufficient ventilation, wear respiratory protective equipment. Wear safety goggles/face protection. Keep unnecessary personnel away.

For emergency responders: In addition to the above: Protective suit equivalent to EN 368, type 3, is recommended.

6.2. Environmental precautions

Prevent spillage from entering drains and/or surface water. Notify proper authorities in case of contamination of soil or aquatic environment or discharge to drains.

6.3. Methods and material for containment and cleaning up

Contain and absorb spill with sand or other absorbent, non-combustible material and transfer to suitable waste containers. Wipe up minor spills with a cloth.

6.4. Reference to other sections

See section 8 for type of protective equipment. See section 13 for instructions on disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Work under effective process ventilation (e.g. local exhaust ventilation). Running water and eye wash equipment must be available. Wash hands before breaks, before using restroom facilities, and at the end of work. Avoid contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities

Store safely, out of reach of children and away from food, animal feeding stuffs, medicines, etc. Store in a dry, cool, well-ventilated area.

7.3. Specific end use(s)

None.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Legal basis: Commission Directive 2000/39/EC (Occupational Exposure Limits). Last amended by Commission Directive 2009/161/EU.

Contains no substances subject to reporting requirements.

8.2. Exposure controls

Appropriate engineering controls: Wear the personal protective equipment specified below.

Personal protective equipment, eye/face protection: Wear safety goggles/face protection. Eye protection must conform to EN 166.

Personal protective equipment, skin protection: Wear gloves. Type of material: Plastic/ Rubber. Breakthrough time has not been determined for the product. Change gloves often. Gloves must conform to EN 374.

Personal protective equipment, respiratory protection: In case of insufficient ventilation, wear respiratory protective equipment. Filter type: A. Respiratory protection must conform to one of the following standards: EN 136/140/145.

Environmental exposure controls: Ensure compliance with local regulations for emissions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid
Colour: Yellow
Odour: Woody/citru
Odour threshold: No data
pH (solution for use): No data
pH (concentrate): No data
Melting point/freezing point: No data
Initial boiling point and boiling range: No data

Flash point:	>93 °C
Evaporation rate:	No data
Flammability (solid, gas):	No data
Upper/lower flammability limits:	No data
Upper/lower explosive limits:	No data
Vapour pressure:	No data
Vapour density:	>1 (Air = 1)
Relative density:	0,88-0,98
Solubility:	Not miscible with the following: Water.
Partition coefficient n-octanol/water:	No data
Auto-ignition temperature:	No data
Decomposition temperature:	No data
Viscosity:	No data
Explosive properties:	No data
Oxidising properties:	No data

9.2. Other information

None.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reacts with the following: Strong oxidisers/ Strong alkalis.

10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

Avoid heating and contact with ignition sources.

10.5. Incompatible materials

Strong oxidisers/ Strong alkalis.

10.6. Hazardous decomposition products

Carbon monoxide and carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral:	Ingestion of large quantities may cause discomfort. The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met. 5989-27-5-C: Rat: LD50 = 4400 mg/kg 106-22-9-D: Rat: LD50 = 3450 mg/kg
Acute toxicity - dermal:	The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met. 106-22-9-D: Rabbit: LD50 = 2650 mg/kg
Acute toxicity - inhalation:	The product does not have to be classified. Test data are not available.
Skin corrosion/irritation:	Irritating to skin – may cause reddening.
Serious eye damage/eye irritation:	Irritating to eyes. Causes a burning sensation and tearing.
Respiratory sensitisation or skin sensitisation:	May cause sensitization by skin contact. Symptoms include reddening, swelling, blistering and ulceration – often slowly developing.
Germ cell mutagenicity:	The product does not have to be classified. Test data are not available.
Carcinogenic properties:	The product does not have to be classified. Test data are not available.
Reproductive toxicity:	The product does not have to be classified. Test data are not available.
Single STOT exposure:	The product releases organic solvent vapours which may cause lethargy and dizziness. At high concentrations, the vapours may cause headache and intoxication. The product does not have to be classified. Test data are not available.

Repeated STOT exposure: The product does not have to be classified. Test data are not available.
Aspiration hazard: May cause chemical pneumonia if ingested or vomited.
Other toxicological effects: None known.

SECTION 12: Ecological information

12.1. Toxicity

Very toxic to aquatic life with long lasting effects.

12.2. Persistence and degradability

Test data are not available.

12.3. Bioaccumulative potential

Test data are not available.

12.4. Mobility in soil

Test data are not available.

12.5. Results of PBT and vPvB assessment

No assessment has been made.

12.6. Other adverse effects

Test data are not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Avoid discharge to drain or surface water. Collect spills and waste in closed, leak-proof containers for disposal at the local hazardous waste site.

EWC code: Depends on line of business and use, for instance 16 03 05 organic wastes containing dangerous substances

Wiping cloths with organic solvents:
EWC code: 15 02 02 Absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances

Empty, cleansed packaging should be disposed of for recycling.

SECTION 14: Transport information

ADR/RID

14.1. UN number 3082
14.2. UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (D-limonene)
14.3. Transport hazard class(es) 9
14.4. Packing group III
Hazard identification number 90
Tunnel restriction code: E

14.5. Environmental hazards The product must be labelled as an environmental hazard (symbol: fish and tree) in packaging sizes of more than 5 kg/l.

Supplemental information: Ocean can be shipped In accordance with chapter 3.4 of the the transport regulation. As a consequence the product can be sent as limited quantities.

ADN

14.1. UN number 3082
14.2. UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (D-limonene)
14.3. Transport hazard class(es) 9

14.4. Packing group	III
14.5. Environmental hazards	The product must be labelled as an environmental hazard (symbol: fish and tree) in packaging sizes of more than 5 kg/l.
Transport in tank vessels:	-
Supplemental information:	Ocean can be shipped In accordance with chapter 3.4 of the the transport regulation. As a consequence the product can be sent as limited quantities.

IMDG

14.1. UN number	3082
14.2. UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (D-limonene)
14.3. Transport hazard class(es)	9
14.4. Packing group	III
14.5. Environmental hazards	-
IMDG Code segregation group:	-
Supplemental information:	Ocean can be shipped In accordance with chapter 3.4 of the the transport regulation. As a consequence the product can be sent as limited quantities.

ICAO/IATA

14.1. UN number	3082
14.2. UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (D-limonene)
14.3. Transport hazard class(es)	9
14.4. Packing group	III
14.5. Environmental hazards	The product must be labelled as an environmental hazard (symbol: fish and tree) in packaging sizes of more than 5 kg/l.
Supplemental information:	Ocean can be shipped In accordance with chapter 2.6 of the the transport regulation. As a consequence the product can be sent as limited quantities.

14.6. Special precautions for user

None.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

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Not applicable.

SECTION 15: Regulatory information

Covered by: Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work

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

Special provisions: Special care should be applied for employees under the age of 18. Young people under the age of 18 may not carry out any work causing harmful exposure to this product.

There are no restrictions according to the REACH appendix XVII
The product contains no substances comprised by Regulation 1907/2006/EC, Article 59 (SVHC)

Directive 2012/18/EU (Seveso), E1 Hazardous to the Aquatic Environment in Category Acute 1 or Chronic 1: Column 2: 100 t, Column 3: 200 t.

15.2. Chemical safety assessment

Chemical safety assessment has not been performed.

SECTION 16: Other information

Abbreviation explanations: PBT: Persistent, Bioaccumulative and Toxic
vPvB: Very Persistent and Very Bioaccumulative
STOT: Specific Target Organ Toxicity

Classification method: Calculation based on the hazards of the known components.

H-phrases:

H226 Flammable liquid and vapour.
H301 Toxic if swallowed.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H341 Suspected of causing genetic defects.
H351 Suspected of causing cancer.
H361f Suspected of damaging fertility.
H373 May cause damage to organs through prolonged or repeated exposure.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

Training:

A thorough knowledge of this safety data sheet should be a prerequisite condition.

Other information:

This safety data sheet has been prepared for and applies to this product only. It is based on our current knowledge and the information that the supplier was able to provide about the product at the time of preparation. The safety data sheet complies with applicable law on preparation of safety data sheets in accordance with 1907/2006/EC (REACH) as subsequently changed.

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