

Coach Man EDT

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830
Issue date: 3/24/2020 Version: 1.0

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

1.1. Product identifier

Product form : Mixture
Product name : Coach Man EDT
Product code : CC003J.01A - Code formule Jacomo : XXXIX.212.B.01 / 995559

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

1.2.1. Relevant identified uses

Main use category : Professional use
Use of the substance/mixture : Perfume

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Interparfums
4 rd-pt des Champs-Elysées
75008 Paris
T 01 53 77 00 00
tgaigneur@interparfums.fr

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital, Guy's & St Thomas' Hospital Trust	Dudley Road B18 7QH Birmingham	0844 892 0111 (UK only, Monday to Friday, 08.00 to 18.00 hours)	-

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flam. Liq. 2 H225
Eye Irrit. 2 H319
Skin Sens. 1 H317
Aquatic Chronic 2 H411

Full text of hazard classes and H-statements : see section 16

Adverse physicochemical, human health and environmental effects

Highly flammable liquid and vapour. Causes serious eye irritation. May cause an allergic skin reaction. Toxic to aquatic life with long lasting effects.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS02

GHS07

GHS09

Signal word (CLP) :

Danger

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Hazardous ingredients	: reaction mass of 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,4,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one; 3,7-dimethylnona-1,6-dien-3-ol; α -methyl-1,3-benzodioxole-5-propionaldehyde; Linalyl acetate; limonene; 1,2,3,5,6,7-hexahydro-1,1,2,3,3-pentamethyl-4H-inden-4-one; 1,5-dimethyl-1-vinylhept-4-enyl acetate; Geranyl acetate; Citronellol; (Ethoxymethoxy)cyclododecane; Geraniol; (-)-pin-2(10)-ene; 3-(4-tert-butylphenyl)propionaldehyde; Linalool; citral; [3R-(3 α ,3 α β ,7 β ,8 α)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one; pin-2(3)-ene; Coumarin; 2,6-dimethyloct-7-en-2-ol; 1-(2,6,6-trimethyl-1,3-cyclohexadien-1-yl)-2-buten-1-one
Hazard statements (CLP)	: H225 - Highly flammable liquid and vapour. H317 - May cause an allergic skin reaction. H319 - Causes serious eye irritation. H411 - Toxic to aquatic life with long lasting effects.
Precautionary statements (CLP)	: P210 - Keep away from heat, hot surfaces, sparks, open flames. No smoking. P273 - Avoid release to the environment. P280 - Wear eye protection, face protection, protective gloves. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P501 - Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards

Other hazards not contributing to the classification : None under normal conditions.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Ethanol	(CAS-No.) 64-17-5 (EC-No.) 200-578-6 (EC Index-No.) 603-002-00-5 (REACH-no) 01-2119457610-43	70 – 85	Flam. Liq. 2, H225 Eye Irrit. 2, H319
reaction mass of 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,4,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	(CAS-No.) 68155-66-8, 54464-57-2, 68155-67-9 (EC-No.) 915-730-3 (REACH-no) 01-2119489989-04	3 - 5	Skin Irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Chronic 1, H410
[3R-(3 α ,3 α β ,6 α ,7 β ,8 α)]-octahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-6-ol	(CAS-No.) 77-53-2 (EC-No.) 201-035-6 (REACH-no) 01-2120790208-49	3 - 5	Aquatic Chronic 2, H411
galaxolide	(CAS-No.) 1222-05-5 (EC-No.) 214-946-9 (EC Index-No.) 603-212-00-7 (REACH-no) 01-2119488227-29	1 - 2	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
1-(5,6,7,8-tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthyl)ethan-1-one	(CAS-No.) 1506-02-1 (EC-No.) 216-133-4 (REACH-no) 01-2119539433-40	1 - 2	Acute Tox. 4 (Oral), H302 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
[3R-(3 α ,3 α β ,7 β ,8 α)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one	(CAS-No.) 32388-55-9 (EC-No.) 251-020-3 (REACH-no) 01-2119969651-28	1 - 2	Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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Coumarin	(CAS-No.) 91-64-5 (EC-No.) 202-086-7	1 - 2	Acute Tox. 4 (Oral), H302 Skin Sens. 1, H317 Aquatic Chronic 3, H412
2,6-dimethyloct-7-en-2-ol	(CAS-No.) 18479-58-8 (EC-No.) 242-362-4 (REACH-no) 01-2119457274-37	1 - 2	Skin Irrit. 2, H315 Eye Irrit. 2, H319
Acétate de cis 2-tert-butylcyclohexyle	(CAS-No.) 20298-69-5 (EC-No.) 243-718-1 (REACH-no) 01-2119970713-33	1 - 2	Aquatic Chronic 2, H411
3,7-dimethylnona-1,6-dien-3-ol	(CAS-No.) 10339-55-6 (EC-No.) 233-732-6 (REACH-no) 01-2119969272-32	0,5 - 0,8	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317
Linalyl acetate	(CAS-No.) 115-95-7 (EC-No.) 204-116-4	0,5 - 0,8	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317
limonene	(CAS-No.) 138-86-3, 5989-27-5, 5989-54-8 (EC-No.) 205-341-0, 227-813-5, 227- 815-6	0,5 - 0,8	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Diethyl phthalate substance with national workplace exposure limit(s) (GB)	(CAS-No.) 84-66-2 (EC-No.) 201-550-6 (REACH-no) 01-2119486682-27	0.1 – 0.5	Not classified
Linalool	(CAS-No.) 78-70-6 (EC-No.) 201-134-4 (EC Index-No.) 603-235-00-2 (REACH-no) 01-2119474016-42	0,1 - 0,5	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317
α-methyl-1,3-benzodioxole-5-propionaldehyde	(CAS-No.) 1205-17-0 (EC-No.) 214-881-6	0,1 - 0,5	Skin Sens. 1B, H317 Repr. 2, H361 Aquatic Chronic 2, H411
1,2,3,5,6,7-hexahydro-1,1,2,3,3-pentamethyl-4H- inden-4-one	(CAS-No.) 33704-61-9 (EC-No.) 251-649-3 (REACH-no) 01-2119977131-40	0,1 - 0,5	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317 Aquatic Chronic 2, H411
1,5-dimethyl-1-vinylhept-4-enyl acetate	(CAS-No.) 61931-80-4 (EC-No.) 263-336-9	0,1 - 0,5	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317 Aquatic Chronic 2, H411
(Ethoxymethoxy)cyclododecane	(CAS-No.) 58567-11-6 (EC-No.) 261-332-1	0,1 - 0,5	Skin Irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Chronic 2, H411
(±) trans—3,3-dimethyl-5-(2,2,3-trimethyl-cyclopent-3- en-1-yl)-pent-4-en-2-ol	(CAS-No.) 107898-54-4 (EC-No.) 411-580-3 (EC Index-No.) 603-150-00-0 (REACH-no) 01-0000015895-58	0,1 - 0,5	Skin Irrit. 2, H315 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
(Z)-3-hexenyl salicylate	(CAS-No.) 65405-77-8 (EC-No.) 265-745-8 (REACH-no) 01-2119987320-37	0,1 - 0,5	Aquatic Acute 1, H400
Geranyl acetate	(CAS-No.) 105-87-3 (EC-No.) 203-341-5 (REACH-no) 01-2119973480-35	0,1 - 0,5	Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 3, H412

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Citronellol	(CAS-No.) 106-22-9 (EC-No.) 203-375-0 (REACH-no) 01-2119453995-23	0,1 - 0,5	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317
Geraniol	(CAS-No.) 106-24-1 (EC-No.) 203-377-1 (REACH-no) 01-2119552430-49, 01-2119560621-44	0,1 - 0,5	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317
(-)-pin-2(10)-ene	(CAS-No.) 127-91-3, 18172-67-3 (EC-No.) 204-872-5; 242-060-2 (REACH-no) 01-2119519230-54	0,1 - 0,5	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
3-(4-tert-butylphenyl)propionaldehyde	(CAS-No.) 18127-01-0 (EC-No.) 242-016-2 (REACH-no) 01-2119983533-30	0,1 - 0,5	Skin Irrit. 2, H315 Skin Sens. 1B, H317 Repr. 2, H361f STOT RE 2, H373 Aquatic Chronic 3, H412
citral	(CAS-No.) 5392-40-5 (EC-No.) 226-394-6 (EC Index-No.) 605-019-00-3 (REACH-no) 01-2119462829-23	0,1 - 0,5	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317
pin-2(3)-ene	(CAS-No.) 80-56-8 (EC-No.) 201-291-9 (REACH-no) 01-2119519223-49	0,1 - 0,5	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,6-di-tert-butyl-p-cresol (BHT) substance with national workplace exposure limit(s) (GB)	(CAS-No.) 128-37-0 (EC-No.) 204-881-4 (REACH-no) 01-2119555270-46, 01-2119565113-46	0,01 - 0,08	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
1-(2,6,6-trimethyl-1,3-cyclohexadien-1-yl)-2-buten-1-one	(CAS-No.) 23696-85-7 (EC-No.) 245-833-2	0,01 - 0,05	Skin Irrit. 2, H315 Skin Sens. 1A, H317 Aquatic Chronic 2, H411

Specific concentration limits:

Name	Product identifier	Specific concentration limits
Ethanol	(CAS-No.) 64-17-5 (EC-No.) 200-578-6 (EC Index-No.) 603-002-00-5 (REACH-no) 01-2119457610-43	(50 ≤C < 100) Eye Irrit. 2, H319

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures after inhalation : Move the affected person away from the contaminated area and into the fresh air. If you feel unwell, seek medical advice.
- First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing and wash it before reuse. In case of redness or irritation, call a doctor.
- First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- First-aid measures after ingestion : Rinse mouth out with water. If you feel unwell, seek medical advice.

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

- Symptoms/effects after skin contact : May cause an allergic skin reaction.
Symptoms/effects after eye contact : Causes serious eye irritation.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Carbon dioxide (CO₂). Water spray. Chemical powder. Alcohol resistant foam.
Unsuitable extinguishing media : High volume water jet.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Highly flammable liquid and vapour.
Hazardous decomposition products in case of fire : Toxic fumes may be released. Carbon oxides (CO, CO₂).

5.3. Advice for firefighters

- Precautionary measures fire : Contain the extinguishing fluids by bunding (the product is hazardous for the environment).
Firefighting instructions : Cool down the containers exposed to heat with a water spray.
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 : Remove ignition sources. Use special care to avoid static electric charges. No flames, no sparks. Eliminate all sources of ignition.

6.1.1. For non-emergency personnel

- Emergency procedures : Avoid contact with skin and eyes. Avoid breathing vapours. Evacuate unnecessary personnel. In case of important spillage : Mark out the contaminated area with signs and prevent access to unauthorized personnel. Ventilate spillage area.

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".

6.2. Environmental precautions

Do not allow product to spread into the environment. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- For containment : Take up liquid spill into absorbent material.
Methods for cleaning up : Wash non-recoverable remainder with large amounts of water.
Other information : Comply with local regulations for disposal.

6.4. Reference to other sections

Concerning disposal elimination after cleaning, see section 13.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Avoid breathing vapours. Avoid contact with skin and eyes. Avoid the build-up of electrostatic charge. Ground/bond container and receiving equipment. Do not smoke. No flames, no sparks. Eliminate all sources of ignition. Use non-sparking tools. Use only explosion-proof equipment.
- Hygiene measures : Do not drink, eat or smoke in the workplace. Always wash hands after handling the product. If on skin, take off contaminated clothing.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a cool, well-ventilated place. Keep container tightly closed. Keep away from open flames, hot surfaces and sources of ignition. Protect from heat and direct sunlight. Proper grounding procedures to avoid static electricity should be followed.
- Incompatible materials : Oxidation agents. Strong acids.
- Packaging materials : Original packaging.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Ethanol (64-17-5)

United Kingdom - Occupational Exposure Limits

Local name	Ethanol
WEL TWA (mg/m ³)	1920 mg/m ³
WEL TWA (ppm)	1000 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

Diethyl phthalate (84-66-2)

United Kingdom - Occupational Exposure Limits

Local name	Diethyl phthalate
WEL TWA (mg/m ³)	5 mg/m ³
WEL STEL (mg/m ³)	10 mg/m ³
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

2,6-di-tert-butyl-p-cresol (BHT) (128-37-0)

United Kingdom - Occupational Exposure Limits

Local name	2,6-Di-tert-butyl-p-cresol
WEL TWA (mg/m ³)	10 mg/m ³
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

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Hand protection:

Wear suitable gloves resistant to chemical penetration. The protective gloves to be used must comply with the specifications of the regulation 2016/425 and the resultant standard EN 374. Breakthrough time : refer to the recommendations of the supplier

Eye protection:

Sealed safety goggles

Skin and body protection:

Protective clothing

Respiratory protection:

In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Light grey.
Odour	: perfumed.
Odour threshold	: No data available
pH	: Not applicable
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: < 23 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: 0.842
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: Not applicable
Explosive properties	: Explosive vapour/air mixtures may be formed.
Oxidising properties	: Non oxidizing material according to EC criteria.
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Highly flammable liquid and vapour.

10.2. Chemical stability

Stable at ambient temperature and under normal conditions of use.

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10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Heat. Heat sources. Direct sunlight.

10.5. Incompatible materials

Oxidation agents. Strong acids.

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 (Based on available data, the classification criteria are not met)
Acute toxicity (dermal) : Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation) : Not classified (Based on available data, the classification criteria are not met)

Ethanol (64-17-5)

LD50 oral rat	10470 mg/kg (95%) (OECD 401 method)
LC50 inhalation rat	124.7 mg/l/4h (vapours) (equivalent or similar to OECD Guideline 403)

reaction mass of 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,4,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one (68155-66-8, 54464-57-2, 68155-67-9)

LD50 oral rat	> 5000 mg/kg (equivalent or similar to OECD Guideline 401)
LD50 dermal rabbit	> 5000 mg/kg (equivalent or similar to OECD Guideline 402)

galaxolide (1222-05-5)

LD50 oral rat	> 4640 mg/kg (OECD 401 method)
LD50 dermal rat	> 10000 mg/kg (OECD 402 method)

2,6-dimethyloct-7-en-2-ol (18479-58-8)

LD50 oral rat	3600 mg/kg (read-across)
LD50 dermal rat	> 5000 mg/kg (read-across)

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

LD50 oral rat	4500 mg/kg (OECD 401 method)
LD50 dermal rabbit	> 5000 mg/kg (OECD 402 method)

[3R-(3 α ,3 α β ,6 α ,7 β ,8 α)]-octahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-6-ol (77-53-2)

LD50 dermal rabbit	> 5000 mg/kg
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Skin corrosion/irritation : Not classified (Based on available data, the classification criteria are not met)
pH: Not applicable
Serious eye damage/irritation : Causes serious eye irritation.
pH: Not applicable
Respiratory or skin sensitisation : May cause an allergic skin reaction.
Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)

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Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met)

Ethanol (64-17-5)

LOAEL (oral, rat, 90 days)	3156 mg/kg bodyweight/day
NOAEL (oral, rat, 90 days)	≤ 1730 mg/kg bodyweight/day

Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute)	: Not classified (Based on available data, the classification criteria are not met)
Hazardous to the aquatic environment, long-term (chronic)	: Toxic to aquatic life with long lasting effects.

reaction mass of 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,4,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one (68155-66-8, 54464-57-2, 68155-67-9)

LC50 fish	1.3 mg/l/96h (Lepomis macrochirus)(OECD 203 method)
EC50 Daphnia	1.38 mg/l/48 h (Daphnia magna) (OECD 202 method)
ErC50 (algae)	> 2.6 mg/l/72 h (Scenedesmus subspicatus) (OECD 201 method)
NOEC (chronic)	0.028 mg/l/ 21 days (Daphnia magna)(OECD 211 method)
NOEC chronic fish	0.16 mg/l 30 days(OECD 210 method)
NOEC chronic algae	2.6 mg/l/72 h (Desmodesmus subspicatus)(OECD 201 method)

galaxolide (1222-05-5)

LC50 fish	0.95 mg/l/96h (Oryzias latipes) (equivalent or similar to OECD Guideline 203)
EC50 Daphnia	0.3 mg/l/48 h (Daphnia magna)(OECD 202 method)
ErC50 (algae)	> 0.854 mg/l/72 h (Pseudokirchnerella subcapitata) (OECD 201 method)
NOEC (acute)	0.201 mg/l/72 h (Pseudokirchnerella subcapitata) (OECD 201 method)
NOEC chronic fish	0.068 mg/l (Pimephales promelas)(OECD 210 method) 36 days
NOEC chronic crustacea	0.111 mg/l/ 21 days (Daphnia magna)(OECD 211 method)
NOEC chronic algae	0.201 mg/l/72 h (Pseudokirchnerella subcapitata) (OECD 201 method)

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

LC50 fish	2.3 mg/l/96h (Pimephales promelas)(OECD 203 method)
EC50 Daphnia	0.86 mg/l/48 h (Daphnia magna)(OECD 202 method)
ErC50 (algae)	> 4.3 mg/l/96h (Pseudokirchnerella subcapitata) (OECD 201 method)
NOEC chronic crustacea	0.087 mg/l/ 21 days (Daphnia magna) (OECD 211 method)
NOEC chronic algae	1.07 mg/l/96h (Pseudokirchnerella subcapitata)(OECD 201 method)

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1-(5,6,7,8-tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthyl)ethan-1-one (1506-02-1)	
LC50 fish	1.49 mg/l/96h (Lepomis macrochirus) (OECD 204 method)
EC50 Daphnia	0.8 mg/l/72 h (Daphnia magna)(OECD 202 method)
ErC50 (algae)	0.835 mg/l/72 h (Pseudokirchneriella subcapitata)(OECD 201 method)
NOEC chronic fish	35 µg/l Danio rerio(OECD 210 method)
NOEC chronic algae	0.404 mg/l/72 h (Pseudokirchneriella subcapitata) (OECD 201 method)

12.2. Persistence and degradability

reaction mass of 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,4,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one (68155-66-8, 54464-57-2, 68155-67-9)	
Persistence and degradability	Not readily biodegradable. (OECD 301C method).

galaxolide (1222-05-5)	
Persistence and degradability	Not readily biodegradable. (OECD 301B method).
Chemical oxygen demand (COD)	3 g O ₂ /g substance
Biodegradation	≈ 2 % 28 days

[3R-(3α,3aβ,7β,8aα)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one (32388-55-9)	
Persistence and degradability	36 % biodegradation (28 days). Not readily biodegradable. (OECD 301F method).

12.3. Bioaccumulative potential

reaction mass of 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,4,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one (68155-66-8, 54464-57-2, 68155-67-9)	
BCF	≈ 600
Bioaccumulative potential	Potentially bioaccumulable.

galaxolide (1222-05-5)	
Partition coefficient n-octanol/water (Log Pow)	5.3 (25°C)

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

Component	
Ethanol (64-17-5)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
reaction mass of 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,4,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one (68155-66-8, 54464-57-2, 68155-67-9)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
3,7-dimethylnona-1,6-dien-3-ol (10339-55-6)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
galaxolide (1222-05-5)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

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α -methyl-1,3-benzodioxole-5-propionaldehyde (1205-17-0)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Linalyl acetate (115-95-7)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Geranyl acetate (105-87-3)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Citronellol (106-22-9)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Geraniol (106-24-1)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
(-)-pin-2(10)-ene (127-91-3, 18172-67-3)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Linalool (78-70-6)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
citral (5392-40-5)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
1-(5,6,7,8-tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthyl)ethan-1-one (1506-02-1)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
[3R-(3 α ,3 α β ,7 β ,8 α)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one (32388-55-9)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Acétate de cis 2-tert-butylcyclohexyle (20298-69-5)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects

No additional information available






SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods	: Dispose of in accordance with relevant local regulations.
Additional information	: The user's attention is drawn to the possible existence of specific european, national or local regulations regarding disposal.
Ecology - waste materials	: Do not allow product to spread into the environment.

SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
UN 1266	UN 1266	UN 1266	UN 1266	UN 1266
14.2. UN proper shipping name				
PERFUMERY PRODUCTS	PERFUMERY PRODUCTS	Perfumery products	PERFUMERY PRODUCTS	PERFUMERY PRODUCTS
14.3. Transport hazard class(es)				
3	3	3	3	3
				

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14.4. Packing group

II	II	II	II	II
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14.5. Environmental hazards

Dangerous for the environment : Yes	Dangerous for the environment : Yes Marine pollutant : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes
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14.6. Special precautions for user

Overland transport

Classification code (ADR) : F1
Special provisions (ADR) : 163, 640C
Limited quantities (ADR) : 5I
Excepted quantities (ADR) : E2
Packing instructions (ADR) : P001
Mixed packing provisions (ADR) : MP19
Portable tank and bulk container instructions (ADR) : T4
Portable tank and bulk container special provisions (ADR) : TP1, TP8
Tank code (ADR) : L1.5BN
Vehicle for tank carriage : FL
Transport category (ADR) : 2
Special provisions for carriage - Operation (ADR) : S2, S20
Hazard identification number (Kemler No.) : 33
Orange plates :



Tunnel restriction code (ADR) : D/E
EAC code : •3YE

Transport by sea

Special provisions (IMDG) : 163
Limited quantities (IMDG) : 5 L
Excepted quantities (IMDG) : E2
Packing instructions (IMDG) : P001
IBC packing instructions (IMDG) : IBC02
Tank instructions (IMDG) : T4
Tank special provisions (IMDG) : TP1, TP8
EmS-No. (Fire) : F-E
EmS-No. (Spillage) : S-D
Stowage category (IMDG) : B
MFAg-No : 127

Air transport

PCA Excepted quantities (IATA) : E2
PCA Limited quantities (IATA) : Y341
PCA limited quantity max net quantity (IATA) : 1L
PCA packing instructions (IATA) : 353
PCA max net quantity (IATA) : 5L
CAO packing instructions (IATA) : 364
CAO max net quantity (IATA) : 60L
Special provisions (IATA) : A3, A72
ERG code (IATA) : 3L

Inland waterway transport

Classification code (ADN) : F1
Special provisions (ADN) : 163, 640C
Limited quantities (ADN) : 5 L
Excepted quantities (ADN) : E2
Equipment required (ADN) : PP, EX, A
Ventilation (ADN) : VE01
Number of blue cones/lights (ADN) : 1

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Rail transport

Classification code (RID)	: F1
Special provisions (RID)	: 163, 640C
Limited quantities (RID)	: 5L
Excepted quantities (RID)	: E2
Packing instructions (RID)	: P001
Mixed packing provisions (RID)	: MP19
Portable tank and bulk container instructions (RID)	: T4
Portable tank and bulk container special provisions (RID)	: TP1, TP8
Tank codes for RID tanks (RID)	: L1.5BN
Transport category (RID)	: 2
Colis express (express parcels) (RID)	: CE7
Hazard identification number (RID)	: 33

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

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Abbreviations and acronyms:	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
BCF	Bioconcentration factor
CAS	Chemical Abstracts Service (division of the American Chemical Society)
EC50	Median effective concentration
LC50	Median lethal concentration
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
LD50	Median lethal dose
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LOAEL	Lowest Observed Adverse Effect Level
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration

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OECD	Organisation for Economic Co-operation and Development
PBT	Persistent Bioaccumulative Toxic
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
VLE	Valeur Limite d'Exposition
vPvB	Very Persistent and Very Bioaccumulative
Pow (log)	n-octanol/water partition coefficient
VME	Valeur Moyenne d'Exposition

Data sources : SDS of suppliers. ECHA - European Chemicals Agency.
Other information : Safety data sheet established by : LISAM TELEGIS
17 rue de la Couture F-60400 Passel
www.lisam-telegis.com.

Full text of H- and EUH-statements:	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Repr. 2	Reproductive toxicity, Category 2
Repr. 2	Reproductive toxicity, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1A	Skin sensitisation, category 1A
Skin Sens. 1B	Skin sensitisation, category 1B
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
H225	Highly flammable liquid and vapour.
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.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H361	Suspected of damaging fertility or the unborn child.
H361f	Suspected of damaging fertility.
H373	May cause damage to organs through prolonged or repeated exposure.

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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.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Flam. Liq. 2	H225	Expert judgment
Eye Irrit. 2	H319	Calculation method
Skin Sens. 1	H317	Calculation method
Aquatic Chronic 2	H411	Calculation method

SDS EU (REACH Annex II)

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.