Safety Data Sheet

according to UK REACH Regulation

FAYNT Salty Shore Eau de Parfum

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

1.1. Product identifier

FAYNT Salty Shore Eau de Parfum

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

Use of the substance/mixture

Perfumes, fragrances

Uses advised against

Any non-intended use.

1.3. Details of the supplier of the safety data sheet

Company name:	FAYNT GmbH
Street:	Badstraße 20
Place:	D-13357 Berlin
Telephone:	+49 1732308974
Contact person:	Carolina Bammert
e-mail:	carolina@hashtag-you.com
Internet:	www.faynt.de
Responsible Department:	

B-COS GmbH
Gartenau 11
D-83471 Berchtesgaden

Dr. Marcus Heidenreich
e-mail: info@B-COS-Services.de
Tel.: +49 (0)8652 / 949980

1.4. Emergency telephone number:

08652 / 949980 (Mo-Fr. 9:00-16:00)

Further Information

This product is subject to the cosmetic regulation. This sheet was prepared on a voluntary basis.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GB CLP Regulation

Hazard categories:
Flammable liquid: Flam. Liq. 2
Serious eye damage/eye irritation: Eye Irrit. 2
Respiratory or skin sensitisation: Skin Sens. 1
Hazardous to the aquatic environment: Aquatic Chronic 2
Hazard Statements:
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

GB CLP Regulation

Hazard components for labelling

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
linalyl acetate
[3R-(3a,3aß,6a,7ß,8aa)]-octahydro-6-methoxy-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene
(R)-p-mentha-1,8-diene, d-limonene
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one
linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalool

Signal word: Danger

Pictograms:



Hazard statements

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

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.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P403+P235	Store in a well-ventilated place. Keep cool.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional advice on labelling

Labelling according to cosmetic directive.

2.3. Other hazards

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.
The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Perfumes, fragrances in Alcohol.

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
64-17-5	ethanol, ethyl alcohol			70 - < 75 %
	200-578-6	603-002-00-5	01-2119457610-43	
	Flam. Liq. 2, Eye Irrit. 2; H225 H319			
54464-57-2	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			1 - < 3 %
	915-730-3		01-2119489989-04	
	Skin Irrit. 2, Skin Sens. 1B, Aquatic Chronic 1; H315 H317 H410			
1222-05-5	1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran; galaxolide; (HHCB)			1 - < 3 %
	214-946-9	603-212-00-7	01-2119488227-29	
	Aquatic Acute 1, Aquatic Chronic 1; H400 H410			
115-95-7	linalyl acetate			0.5 - < 1 %
	204-116-4		01-2119454789-19	
	Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1B; H315 H319 H317			
34902-57-3	reaction mass of: (E)-oxacyclohexadec-12-en-2-one; (E)-oxacyclohexadec-13-en-2-one; a) (Z)-oxacyclohexadec-(12)-en-2-one and b) (Z)-oxacyclohexadec-(13)-en-2-one			0.5 - < 1 %
	422-320-3	606-092-00-4	01-0000016883-62	

	Aquatic Acute 1, Aquatic Chronic 1; H400 H410			
67874-81-1	[3R-(3a,3aß,6a,7ß,8aa)]-octahydro-6-methoxy-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene			0.3 - < 0.5 %
	267-510-5		01-2120228335-61	
	Skin Sens. 1B, Aquatic Acute 1, Aquatic Chronic 1; H317 H400 H410			
5989-27-5	(R)-p-mentha-1,8-diene, d-limonene			0.3 - < 0.5 %
	227-813-5	601-029-00-7	01-2119529223-47	
	Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1, Asp. Tox. 1, Aquatic Acute 1, Aquatic Chronic 1; H226 H315 H317 H304 H400 H410			
127-51-5	3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one			0.1 - < 0.2 %
	204-846-3			
	Skin Sens. 1B, Aquatic Chronic 2; H317 H411			
78-70-6	linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalool			0.1 - < 0.2 %
	201-134-4	603-235-00-2	01-2119474016-42	
	Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1B; H315 H319 H317			

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
	Specific Conc. Limits, M-factors and ATE		
64-17-5	200-578-6	ethanol, ethyl alcohol	70 - < 75 %
	inhalation: LC50 = 124,7 mg/l (vapours); oral: LD50 = >5000 mg/kg Eye Irrit. 2; H319: >= 50 - 100		
54464-57-2	915-730-3	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	1 - < 3 %
	dermal: LD50 = >5000 mg/kg; oral: LD50 = 5000 mg/kg		
1222-05-5	214-946-9	1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran; galaxolide; (HHCB)	1 - < 3 %
	dermal: LD50 = >10000 mg/kg; oral: LD50 = >4640 mg/kg		
115-95-7	204-116-4	linalyl acetate	0.5 - < 1 %
	dermal: LD50 = >5000 mg/kg; oral: LD50 = >9000 mg/kg		
34902-57-3	422-320-3	reaction mass of: (E)-oxacyclohexadec-12-en-2-one; (E)-oxacyclohexadec-13-en-2-one; a) (Z)-oxacyclohexadec-(12)-en-2-one and b) (Z)-oxacyclohexadec-(13)-en-2-one	0.5 - < 1 %
	dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 2000 mg/kg		
67874-81-1	267-510-5	[3R-(3a,3aß,6a,7ß,8aa)]-octahydro-6-methoxy-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene	0.3 - < 0.5 %
	dermal: LD50 = > 5000 mg/kg; oral: LD50 = > 5000 mg/kg		
5989-27-5	227-813-5	(R)-p-mentha-1,8-diene, d-limonene	0.3 - < 0.5 %
	dermal: LD50 = > 5000 mg/kg; oral: LD50 = > 2000 mg/kg		
78-70-6	201-134-4	linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalool	0.1 - < 0.2 %
	dermal: LD50 = 5610 mg/kg; oral: LD50 = 2790 mg/kg		

Further Information

Product does not contain listed SVHC substances > 0,1 % according to Regulation (EC) No. 1907/2006 Article 59 (REACH)

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After inhalation

In case of accident by inhalation: remove casualty to fresh air and keep at rest. In case of allergic symptoms, especially in the breathing area, seek medical advice immediately. Apply cortisone spray at early stage.

After contact with skin

Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap. If skin irritation or rash occurs: Get medical advice/attention.

After contact with eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
In case of eye irritation consult an ophthalmologist.

After ingestion

Do NOT induce vomiting. Rinse mouth thoroughly with water. Let water be drunken in little sips (dilution effect). When in doubt or if symptoms are observed, get medical advice.

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

The preparation contains ethyl alcohol. Depending on the absorbed amount and circumstances, it comes after an euphoric stage to different intoxination conditions with loss of self-control, dizziness and vomiting.

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). Dry extinguishing powder. alcohol resistant foam. Atomized water.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

In use, may form flammable/explosive vapour-air mixture.
Can be released in case of fire: Carbon monoxide. Carbon dioxide (CO2).

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.
Co-ordinate fire-fighting measures to the fire surroundings.
Use water spray jet to protect personnel and to cool endangered containers.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures

Remove all sources of ignition. Provide adequate ventilation.
Avoid contact with skin, eyes and clothes. Do not breathe vapour/aerosol.
Wear personal protection equipment. (refer to chapter 8)

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Discharge into the environment must be avoided. Prevent spread over a wide area (e.g. by containment or oil barriers).

6.3. Methods and material for containment and cleaning up

Other information

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
Treat the recovered material as prescribed in the section on waste disposal.
Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Safe handling: see section 7
Personal protection equipment: see section 8
Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Provide adequate ventilation.
Wear suitable protective clothing. (See section 8.)
Avoid contact with skin, eyes and clothes.
Do not breathe vapour/aerosol.

Advice on protection against fire and explosion

Keep away from sources of ignition. - No smoking. Take precautionary measures against static discharges.

Advice on general occupational hygiene

Always close containers tightly after the removal of product. When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work.

Further information on handling

Flammable vapours can accumulate in head space of closed systems.
Conditions to avoid: generation/formation of aerosols

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place. Keep container dry.

Hints on joint storage

Do not store together with: Gas. Explosives. Flammable solids. Pyrophoric liquids and solids. Self-heating substances and mixtures. Substances and mixtures which, in contact with water, emit flammable gases. Oxidizing liquids. Oxidizing solids. ammonium nitrate. Self-reactive substances and mixtures. Organic peroxides. Non-combustible toxic substances. Radioactive substances. Infectious substances.

Further information on storage conditions

Protect against: frost. UV-radiation/sunlight. heat. Cold Humidity

7.3. Specific end use(s)

See section 1.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m³	fibres/ml	Category	Origin
64-17-5	Ethanol	1000	1920		TWA (8 h)	WEL

DNEL/DMEL values

CAS No	Substance			
DNEL type		Exposure route	Effect	Value
64-17-5	ethanol, ethyl alcohol			
Worker DNEL, long-term		inhalation	systemic	950 mg/m³
Worker DNEL, long-term		dermal	systemic	343 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	114 mg/m³
Consumer DNEL, long-term		dermal	systemic	206 mg/kg bw/day

Consumer DNEL, long-term	oral	systemic	87 mg/kg bw/day
54464-57-2	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		
Worker DNEL, long-term	dermal	local	0,648 mg/cm²
Worker DNEL, long-term	dermal	systemic	3,6 mg/kg bw/day
Worker DNEL, long-term	inhalation	systemic	7,33 mg/m³
Consumer DNEL, long-term	inhalation	systemic	2,16 mg/m³
Consumer DNEL, long-term	dermal	systemic	2,15 mg/kg bw/day
Consumer DNEL, long-term	dermal	local	0,38 mg/cm²
Consumer DNEL, long-term	oral	systemic	1,25 mg/kg bw/day
1222-05-5	1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran; galaxolide; (HHCB)		
Worker DNEL, long-term	inhalation	systemic	22 mg/m³
Worker DNEL, long-term	dermal	systemic	60 mg/kg bw/day
Consumer DNEL, long-term	inhalation	systemic	6.5 mg/m³
Consumer DNEL, long-term	dermal	systemic	36 mg/kg bw/day
Consumer DNEL, long-term	oral	systemic	3.8 mg/kg bw/day
115-95-7	linalyl acetate		
Worker DNEL, long-term	inhalation	systemic	2,75 mg/m³
Worker DNEL, long-term	dermal	systemic	2,5 mg/kg bw/day
Worker DNEL, long-term	dermal	local	8 mg/cm²
Worker DNEL, acute	dermal	local	8 mg/cm²
Consumer DNEL, long-term	inhalation	systemic	0,68 mg/m³
Consumer DNEL, long-term	dermal	systemic	1,25 mg/kg bw/day
Consumer DNEL, long-term	dermal	local	8 mg/cm²
Consumer DNEL, acute	dermal	local	8 mg/cm²
Consumer DNEL, long-term	oral	systemic	0,2 mg/kg bw/day
67874-81-1	[3R-(3a,3aß,6a,7ß,8aa)]-octahydro-6-methoxy-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene		
Worker DNEL, long-term	inhalation	systemic	16,1 mg/m³
Worker DNEL, long-term	dermal	systemic	4,5 mg/kg bw/day
Consumer DNEL, long-term	inhalation	systemic	4,7 mg/m³
Consumer DNEL, long-term	dermal	systemic	2,7 mg/kg bw/day
Consumer DNEL, long-term	oral	systemic	2,7 mg/kg bw/day
5989-27-5	(R)-p-mentha-1,8-diene, d-limonene		
Worker DNEL, long-term	inhalation	systemic	66,7 mg/m³
Worker DNEL, long-term	dermal	systemic	9,5 mg/kg bw/day
Consumer DNEL, long-term	inhalation	systemic	16,6 mg/m³
Consumer DNEL, long-term	dermal	systemic	4,8 mg/kg bw/day
Consumer DNEL, long-term	oral	systemic	4,8 mg/kg bw/day
78-70-6	linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalool		
Worker DNEL, long-term	inhalation	systemic	2,8 mg/m³
Worker DNEL, acute	inhalation	systemic	16,5 mg/m³
Worker DNEL, long-term	dermal	systemic	2,5 mg/kg bw/day

Worker DNEL, acute	dermal	systemic	5 mg/kg bw/day
Worker DNEL, long-term	dermal	local	3 mg/cm²
Worker DNEL, acute	dermal	local	3 mg/cm²
Consumer DNEL, long-term	inhalation	systemic	0,7 mg/m³
Consumer DNEL, acute	inhalation	systemic	4,1 mg/m³
Consumer DNEL, long-term	dermal	systemic	1,25 mg/kg bw/day
Consumer DNEL, acute	dermal	systemic	2,5 mg/kg bw/day
Consumer DNEL, long-term	dermal	local	1,5 mg/cm²
Consumer DNEL, acute	dermal	local	1,5 mg/cm²
Consumer DNEL, long-term	oral	systemic	0,2 mg/kg bw/day
Consumer DNEL, acute	oral	systemic	1,2 mg/kg bw/day

PNEC values

CAS No	Substance
Environmental compartment	Value
64-17-5	ethanol, ethyl alcohol
Freshwater	96 mg/l
Marine water	0,79 mg/l
Freshwater sediment	3,6 mg/kg
Marine sediment	2,9 mg/kg
Secondary poisoning	0,38 mg/kg
Micro-organisms in sewage treatment plants (STP)	580 mg/l
Soil	0,63 mg/kg
54464-57-2	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
Freshwater	0,0028 mg/l
Freshwater (intermittent releases)	0,013 mg/l
Marine water	0,00028 mg/l
Freshwater sediment	3,73 mg/kg
Marine sediment	0,75 mg/kg
Secondary poisoning	10 mg/kg
Soil	0,705 mg/kg
1222-05-5	1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran; galaxolide; (HHCB)
Freshwater	0,0044 mg/l
Marine water	0,00044 mg/l
Freshwater sediment	2 mg/kg
Marine sediment	0,394 mg/kg
Micro-organisms in sewage treatment plants (STP)	1 mg/l
Soil	0,31 mg/kg
115-95-7	linalyl acetate
Freshwater	0,011 mg/l
Marine water	0,001 mg/l
Freshwater sediment	0,609 mg/kg
Marine sediment	0,061 mg/kg

Micro-organisms in sewage treatment plants (STP)	10 mg/l
Soil	0,115 mg/kg
34902-57-3	reaction mass of: (E)-oxacyclohexadec-12-en-2-one; (E)-oxacyclohexadec-13-en-2-one; a) (Z)-oxacyclohexadec-(12)-en-2-one and b) (Z)-oxacyclohexadec-(13)-en-2-one
Freshwater	0,0027 mg/l
Marine water	0,00027 mg/l
Freshwater sediment	21 mg/kg
Marine sediment	4,2 mg/kg
Micro-organisms in sewage treatment plants (STP)	10 mg/l
Soil	5,44 mg/kg
67874-81-1	[3R-(3a,3aß,6a,7ß,8aa)]-octahydro-6-methoxy-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene
Freshwater	0,00043 mg/l
Marine water	0,000043 mg/l
Freshwater sediment	1,29 mg/kg
Marine sediment	0,129 mg/kg
Micro-organisms in sewage treatment plants (STP)	100 mg/l
Soil	0,257 mg/kg
5989-27-5	(R)-p-mentha-1,8-diene, d-limonene
Freshwater	0,014 mg/l
Marine water	0,0014 mg/l
Freshwater sediment	3,85 mg/kg
Marine sediment	0,385 mg/kg
Secondary poisoning	133 mg/kg
Micro-organisms in sewage treatment plants (STP)	1,8 mg/l
Soil	0,763 mg/kg
78-70-6	linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalool
Freshwater	0,2 mg/l
Freshwater (intermittent releases)	2 mg/l
Marine water	0,02 mg/l
Freshwater sediment	2,22 mg/kg
Marine sediment	0,222 mg/kg
Secondary poisoning	7,8 mg/kg
Micro-organisms in sewage treatment plants (STP)	10 mg/l
Soil	0,327 mg/kg

8.2. Exposure controls





Appropriate engineering controls

Provide adequate ventilation.

Individual protection measures, such as personal protective equipment

Eye/face protection

Suitable eye protection: Tightly sealed safety glasses. BS/EN 166

Hand protection

In case of prolonged or frequently repeated skin contact:
Tested protective gloves are to be worn:
Suitable material:
Breakthrough time >= 8 h
Butyl rubber. (0,5 mm)
FKM (fluororubber). (0,4 mm)
Breakthrough time >= 2 h
CR (polychloroprenes, Chloroprene rubber). (0,5 mm)
The selected protective gloves have to satisfy the specifications of EU Directive EC/2016/425 and the standard EN 374 derived from it.
Before using check leak tightness / impermeability. In the case of wanting to use the gloves again, clean them before taking off and air them well.

Skin protection

Wear fire/flame resistant/retardant clothing.
Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500 (D).

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.
Respiratory protection necessary at:
Exceeding exposure limit values
Suitable respiratory protective equipment: gas filtering equipment (EN 141). Typ: A
The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

Environmental exposure controls

This material and its container must be disposed of in a safe way.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	yellow
Odour:	lemony, fresh

Changes in the physical state

Melting point/freezing point:	not determined
Boiling point or initial boiling point and boiling range:	Ethanol: 78 °C
Flash point:	not determined

Explosive properties

Vapours can travel considerable distances to a source of ignition where they can ignite, flash back, or explode.

Lower explosion limits:	Ethanol: 3,1 vol. %
Upper explosion limits:	Ethanol: 27,7 vol. %
Auto-ignition temperature:	not determined

Oxidizing properties

none

pH-Value:	not determined
Viscosity / dynamic:	not determined
Viscosity / kinematic:	not determined
Flow time:	not determined

Water solubility:	miscible.

Solubility in other solvents

not determined

Vapour pressure: (at 20 °C)	Ethanol: 58,0 hPa
Density (at 20 °C):	0,85-0,86 g/cm³
Relative vapour density:	not determined

9.2. Other information

Information with regard to physical hazard classes

Sustaining combustion:	No data available

Other safety characteristics

Solvent content:	not determined
Solid content:	not determined
Evaporation rate:	not determined

Further Information

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

Reacts with : Oxidizing agents, strong. Fluorine. alkali hydroxide Reducing agents, strong. Nitric acid.

10.4. Conditions to avoid

Keep away from heat. Protect against direct sunlight. May cause decomposition by long-term light influence.

10.5. Incompatible materials

Materials to avoid: Substances which form flammable gases when in contact with water. Organic peroxides. Inflammatory substances. Alkali metals. Oxidizing agents. Reducing agent.

10.6. Hazardous decomposition products

Can be released in case of fire: Carbon monoxide. Carbon dioxide (CO2).

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in GB CLP Regulation

Toxicocinetics, metabolism and distribution

No information available.

Acute toxicity

Based on available data, the classification criteria are not met.

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
64-17-5	ethanol, ethyl alcohol				
	oral	LD50 >5000 mg/kg	Rat.	ECHA Dossier	
	inhalation (4 h) vapour	LC50 124,7 mg/l	Rat.	ECHA Dossier	
54464-57-2	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				

	oral	LD50 mg/kg	5000	Rat	ECHA Dossier	
	dermal	LD50 mg/kg	>5000	Rat	ECHA Dossier	
1222-05-5	1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran; galaxolide; (HHCB)					
	oral	LD50 mg/kg	>4640	Rat.	ECHA Dossier	
	dermal	LD50 mg/kg	>10000	Rat.	ECHA Dossier	
115-95-7	linalyl acetate					
	oral	LD50 mg/kg	>9000	Rat.	ECHA Dossier	
	dermal	LD50 mg/kg	>5000	Rabbit.	ECHA Dossier	
34902-57-3	reaction mass of: (E)-oxacyclohexadec-12-en-2-one; (E)-oxacyclohexadec-13-en-2-one; a) (Z)-oxacyclohexadec-(12)-en-2-one and b) (Z)-oxacyclohexadec-(13)-en-2-one					
	oral	LD50 mg/kg	> 2000	Rat	ECHA Dossier	OECD Guideline 401
	dermal	LD50 mg/kg	> 2000	Rat	ECHA Dossier	OECD Guideline 402
67874-81-1	[3R-(3a,3aß,6a,7ß,8aa)]-octahydro-6-methoxy-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene					
	oral	LD50 mg/kg	> 5000	Rat	ECHA Dossier	OECD Guideline 401
	dermal	LD50 mg/kg	> 5000	Rabbit	ECHA Dossier	OECD Guideline 402
5989-27-5	(R)-p-mentha-1,8-diene, d-limonene					
	oral	LD50 mg/kg	> 2000	Rat	Study report (2010)	OECD Guideline 423
	dermal	LD50 mg/kg	> 5000		REACh Registration Dossier	
78-70-6	linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalool					
	oral	LD50 mg/kg	2790	Rat	Food Cosmet. Toxicol. Vol. 2, pp. 327-34	OECD Guideline 401
	dermal	LD50 mg/kg	5610	Rabbit	Study report (1970)	OECD Guideline 402

Irritation and corrosivity

Causes serious eye irritation.
Skin corrosion/irritation: Based on available data, the classification criteria are not met.
Irritant effect on the skin: slightly irritant but not relevant for classification.
Ethanol.: Specific concentration limit (SCL): Eye Irrit. 2 > 50%

Sensitising effects

May cause an allergic skin reaction. (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; linalyl acetate; [3R-(3a,3aß,6a,7ß,8aa)] -octahydro-6-methoxy-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene; (R)-p-mentha-1,8-diene, d-limonene; 3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one; linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalool)
May cause sensitisation especially in sensitive humans.

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.
Ethanol. (CAS-No.: 64-17-5):

In-vitro mutagenicity: No experimental indications of mutagenicity in-vitro exist.
Reproductive toxicity:
Exposure time: 18 weeks
Species: CD-1 Mouse.
Method: OECD Guideline 416
Result: NOAEL = 20700 mg/kg/day
Developmental toxicity/teratogenicity:
Exposure time: 19d
Species: Sprague-Dawley Rat.
Method: OECD Guideline 414
Result: NOAEL = 16000 ppm (maternal toxicity)
Result: NOAEL >= 20000 ppm (teratogenicity)
Literature information: ECHA Dossier

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.
Ethanol. (CAS-No.: 64-17-5):
Subchronic oral toxicity
Exposure time: 90d
Species: Sprague-Dawley Rat.
Method: OECD Guideline 408
Result: NOAEL = 1280 mg/kg
Literature information: ECHA Dossier

Aspiration hazard

Based on available data, the classification criteria are not met.

Specific effects in experiment on an animal

No information available.

SECTION 12: Ecological information

12.1. Toxicity

CAS No	Chemical name						
	Aquatic toxicity	Dose		[h] | [d]	Species	Source	Method
64-17-5	ethanol, ethyl alcohol						
	Acute fish toxicity	LC50	14200 mg/l	96 h	Pimephales promelas	ECHA Dossier	
	Acute algae toxicity	ErC50	275 mg/l	72 h	Chlorella vulgaris	ECHA Dossier	
	Acute crustacea toxicity	EC50	5012 mg/l	48 h	Ceriodaphnia dubia	ECHA Dossier	
	Crustacea toxicity	NOEC	9,6 mg/l	9 d	daphnia magna	ECHA Dossier	
54464-57-2	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						
	Acute fish toxicity	LC50	1,3 mg/l	96 h	Lepomis macrochirus	ECHA Dossier	
	Acute algae toxicity	ErC50	>2,6 mg/l	72 h	Desmodesmus subspicatus	ECHA Dossier	
	Acute crustacea toxicity	EC50	1,38 mg/l	48 h	Daphnia magna	ECHA Dossier	
	Fish toxicity	NOEC	0,16 mg/l	30 d	Danio rerio	ECHA Dossier	
	Crustacea toxicity	NOEC	0,028 mg/l	21 d	Daphnia magna	ECHA Dossier	
1222-05-5	1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran; galaxolide; (HHCB)						

	Acute fish toxicity	LC50	1,36 mg/l	96 h	Lepomis macrochirus	ECHA Dossier	
	Acute algae toxicity	ErC50	0,854 mg/l		Pseudokirchnerella subcapitata	ECHA Dossier	
	Acute crustacea toxicity	EC50	0,47 mg/l	48 h	Acartia tonsa	ECHA Dossier	
	Fish toxicity	NOEC	0,093 mg/l	21 d	Lepomis macrochirus	ECHA Dossier	
115-95-7	linalyl acetate						
	Acute fish toxicity	LC50	11 mg/l	96 h	Cyprinus carpio (Common Carp)	ECHA Dossier	
	Acute algae toxicity	ErC50	62 mg/l	72 h	Desmodesmus subspicatus	ECHA Dossier	
	Acute crustacea toxicity	EC50	15 mg/l	48 h	Daphnia magna	ECHA Dossier	
	Algae toxicity	NOEC	(9,6) mg/l	3 d	Desmodesmus subspicatus	ECHA Dossier	
34902-57-3	reaction mass of: (E)-oxacyclohexadec-12-en-2-one; (E)-oxacyclohexadec-13-en-2-one; a) (Z)-oxacyclohexadec-(12)-en-2-one and b) (Z)-oxacyclohexadec-(13)-en-2-one						
	Acute fish toxicity	LC50	> 0,797 mg/l	96 h	Oncorhynchus mykiss	ECHA Dossier	EU Method C.1
	Acute algae toxicity	ErC50	0,4 mg/l	72 h	Desmodesmus subspicatus	ECHA Dossier	EU Method C.3
	Acute crustacea toxicity	EC50	> 0,17 mg/l	48 h	Daphnia magna	ECHA Dossier	OECD Guideline 202
	Fish toxicity	NOEC	0,027 mg/l	33 d	Pimephales promelas	ECHA Dossier	OECD Guideline 210
	Crustacea toxicity	NOEC	0,068 mg/l	21 d	Daphnia magna	ECHA Dossier	OECD Guideline 211
	Acute bacteria toxicity	(> 100 mg/l)		3 h	activated sludge of a predominantly domestic sewage	ECHA Dossier	EU Method C.11
67874-81-1	[3R-(3a,3aß,6a,7ß,8aa)]-octahydro-6-methoxy-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene						
	Acute fish toxicity	LC50	0,43 mg/l	96 h	Cyprinus carpio	ECHA Dossier	OECD Guideline 203
	Acute algae toxicity	ErC50	> 1,8 mg/l	72 h	Pseudokirchneriella subcapitata	ECHA Dossier	OECD Guideline 201
	Acute crustacea toxicity	EC50	0,48 mg/l	48 h	Daphnia magna	ECHA Dossier	OECD Guideline 202
5989-27-5	(R)-p-mentha-1,8-diene, d-limonene						
	Acute fish toxicity	LC50	0,72 mg/l	96 h	Pimephales promelas	REACh Registration Dossier	OECD Guideline 203
	Acute algae toxicity	ErC50	0,32 mg/l	72 h	Pseudokirchneriella subcapitata	REACh Registration Dossier	OECD Guideline 201
	Acute crustacea toxicity	EC50	0,307 mg/l	48 h	Daphnia magna	Study report (2013)	OECD Guideline 202
	Fish toxicity	NOEC	0,37 mg/l	8 d	Pimephales promelas	REACh Registration Dossier	OECD Guideline 212
	Crustacea toxicity	NOEC	0,08 mg/l	21 d	Daphnia magna	REACh Registration Dossier	OECD Guideline 211

	Acute bacteria toxicity	(209 mg/l)	3 h		REACh Registration Dossier	
78-70-6	linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalool					
	Acute fish toxicity	LC50 27,8 mg/l	96 h	Oncorhynchus mykiss	Study report (1991)	OECD Guideline 203
	Acute algae toxicity	ErC50 88,3 mg/l	96 h	Desmodesmus subspicatus	Study report (1988)	other: DIN 38412 L 9
	Acute crustacea toxicity	EC50 59 mg/l	48 h	Daphnia magna	Study report (1991)	OECD Guideline 202
	Acute bacteria toxicity	(> 100 mg/l)	0,5 h	activated sludge of a predominantly domestic sewag	Study report (1991)	OECD Guideline 209

12.2. Persistence and degradability

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
64-17-5	ethanol, ethyl alcohol			
	other guideline	84%	20	ECHA Dossier
	Easily biodegradable (concerning to the criteria of the OECD)			
54464-57-2	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			
	OECD 301C / ISO 9408 / EEC 92/69 annex V, C.4-F	0%	28	ECHA Dossier
	Not easily bio-degradable (according to OECD-criteria).			
1222-05-5	1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran; galaxolide; (HHCB)			
	OECD Guideline 301 B	2%	28	ECHA Dossier
	Not readily biodegradable (according to OECD criteria)			
115-95-7	linalyl acetate			
	OECD 301F / ISO 9408 / EEC 92/69 annex V, C.4-D	70-80%	28	ECHA Dossier
	Product is biodegradable.			
34902-57-3	reaction mass of: (E)-oxacyclohexadec-12-en-2-one; (E)-oxacyclohexadec-13-en-2-one; a) (Z)-oxacyclohexadec-(12)-en-2-one and b) (Z)-oxacyclohexadec-(13)-en-2-one			
	other guideline	96,7%	28	ECHA Dossier
	Product is biodegradable.			
5989-27-5	(R)-p-mentha-1,8-diene, d-limonene			
	OECD 301D / EEC 92/69 annex V, C.4-E	80 %	28	ECHA Dossier
	Easily biodegradable (concerning to the criteria of the OECD)			
78-70-6	linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalool			
	OECD 301D / EEC 92/69 annex V, C.4-E	64,2%	28	ECHA Dossier
	Easily biodegradable (concerning to the criteria of the OECD)			

12.3. Bioaccumulative potential

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
64-17-5	ethanol, ethyl alcohol	-0,31
54464-57-2	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	5,65
1222-05-5	1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran; galaxolide; (HHCB)	5,3
115-95-7	linalyl acetate	3,9
34902-57-3	reaction mass of: (E)-oxacyclohexadec-12-en-2-one; (E)-oxacyclohexadec-13-en-2-one; a) (Z)-oxacyclohexadec-(12)-en-2-one and b) (Z)-oxacyclohexadec-(13)-en-2-one	282000

67874-81-1	[3R-(3a,3aß,6a,7ß,8aa)]-octahydro-6-methoxy-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene	5,1
5989-27-5	(R)-p-mentha-1,8-diene, d-limonene	4,38
78-70-6	linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalool	2,9

BCF

CAS No	Chemical name	BCF	Species	Source
34902-57-3	reaction mass of: (E) -oxacyclohexadec-12-en-2-one; (E) -oxacyclohexadec-13-en-2-one; a) (Z) -oxacyclohexadec-(12)-en-2-one and b) (Z)-oxacyclohexadec-(13)-en-2-one	>= 512,9		ECHA Dossier
5989-27-5	(R)-p-mentha-1,8-diene, d-limonene	864,8	no data	ECHA Dossier

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.7. Other adverse effects

No information available.

Further information

Do not allow uncontrolled discharge of product into the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Dispose of waste according to applicable legislation. Contaminated packages must be completely emptied and can be re-used following proper cleaning.
According to (EWC) European Waste Catalogue, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.
Control report for waste code/ waste marking according to (EWC) European Waste Catalogue:

List of Wastes Code - residues/unused products

160305 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; off-specification batches and unused products; organic wastes containing hazardous substances; hazardous waste

List of Wastes Code - used product

160305 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; off-specification batches and unused products; organic wastes containing hazardous substances; hazardous waste

List of Wastes Code - contaminated packaging

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

Contaminated packaging

Do not empty into drains; dispose of this material and its container in a safe way.
Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number: UN 1266

14.2. UN proper shipping name: PERFUMERY PRODUCTS

14.3. Transport hazard class(es): 3

14.4. Packing group: II

Hazard label:	3



Classification code:	F1
Special Provisions:	163 640D
Limited quantity:	5 L
Excepted quantity:	E2
Transport category:	2
Hazard No:	33
Tunnel restriction code:	D/E

Inland waterways transport (ADN)

14.1. UN number:	UN 1266
14.2. UN proper shipping name:	Perfumery products
14.3. Transport hazard class(es):	3
14.4. Packing group:	II
Hazard label:	3



Classification code:	F1
Special Provisions:	163 640D
Limited quantity:	5 L
Excepted quantity:	E2

Marine transport (IMDG)

14.1. UN number:	UN 1266
14.2. UN proper shipping name:	PERFUMERY PRODUCTS
14.3. Transport hazard class(es):	3
14.4. Packing group:	II
Hazard label:	3



Marine pollutant:	YES
Special Provisions:	163
Limited quantity:	5 L
Excepted quantity:	E2
EmS:	F-E, S-D

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number:	UN 1266
14.2. UN proper shipping name:	PERFUMERY PRODUCTS
14.3. Transport hazard class(es):	3
14.4. Packing group:	II
Hazard label:	3



Special Provisions:	A3 A72

Limited quantity Passenger:	1 L
Passenger LQ:	Y341
Excepted quantity:	E2
IATA-packing instructions - Passenger:	353
IATA-max. quantity - Passenger:	5 L
IATA-packing instructions - Cargo:	364
IATA-max. quantity - Cargo:	60 L

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: Yes



Danger releasing substance: 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

14.6. Special precautions for user

See section 8.

14.7. Maritime transport in bulk according to IMO instruments

not relevant.

SECTION 15: Regulatory information

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

EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 40

2010/75/EU (VOC):	not determined
2004/42/EC (VOC):	not determined
Information according to 2012/18/EU (SEVESO III):	P5c FLAMMABLE LIQUIDS

Additional information

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].
REACH 1907/2006 Appendix XVII, No (mixture): 3

National regulatory information

Employment restrictions:	Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).
Water hazard class (D):	2 - obviously hazardous to water

15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out:
ethanol, ethyl alcohol
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
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran; galaxolide; (HHCB)
linalyl acetate
reaction mass of: (E)-oxacyclohexadec-12-en-2-one; (E)-oxacyclohexadec-13-en-2-one; a) (Z)-oxacyclohexadec-(12)-en-2-one and b) (Z)-oxacyclohexadec-(13)-en-2-one
[3R-(3a,3aß,6a,7ß,8aa)]-octahydro-6-methoxy-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene
(R)-p-mentha-1,8-diene, d-limonene
linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalool

SECTION 16: Other information

Changes

Rev. 1.00; , Initial release 09.06.2021

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
CAS: Chemical Abstracts Service
DNEL: Derived No Effect Level
IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organization
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)
LOAEL: Lowest observed adverse effect level
LOAEC: Lowest observed adverse effect concentration
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
NOAEL: No observed adverse effect level
NOAEC: No observed adverse effect concentration
NTP: National Toxicology Program
N/A: not applicable
OSHA: Occupational Safety and Health Administration
PNEC: predicted no effect concentration
PBT: Persistent bioaccumulative toxic
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
SARA: Superfund Amendments and Reauthorization Act
SVHC: substance of very high concern
TRGS Technische Regeln fuerGefahrstoffe
TSCA: Toxic Substances Control Act
VOC: Volatile Organic Compounds

Classification for mixtures and used evaluation method according to GB CLP Regulation

Classification	Classification procedure
Flam. Liq. 2; H225	On basis of test data
Eye Irrit. 2; H319	Calculation method
Skin Sens. 1; H317	Calculation method
Aquatic Chronic 2; H411	Calculation method

Relevant H and EUH statements (number and full text)

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
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.

Further Information

Classification according EC regulation 1272/2008 (CLP): - Classification procedure:
Health hazards: Calculation method.

Environmental hazards: Calculation method.
Physical hazards: On basis of test data and / or calculated and / or estimated.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)