

Fragrance Ocean Breeze 00007955

Lemo Fun SRL



SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Safety Data Sheet in accordance with Regulation (EC) No 1907/2006 (REACH), Regulation (EC) No 1272/2008 (CLP) and Commission Regulation (EU) No 2020/878.

Field	Details
Product identifier / Trade name	Fragrance Ocean Breeze 00007955
Product number	00007955
UFI	GY0Q-N0EF-E008-6C07
Mixture identification	Fragrance, flavour, automotive cosmetics, industrial and household chemistry
1.2 Recommended use	Aromatic ingredient for household chemicals and cosmetics. For use in production only, not for direct consumption.
Uses advised against	Do not use in food products.
1.3 Supplier / Responsible person	Lemo Fun SRL Nicolae Licaret 6, Bucharest, Romania Phone: +40784943113 Email: info@shoplumanari.ro Website: www.shoplumanari.ro
1.4 Emergency telephone number	UNITED KINGDOM - National Poisons Information Service (24 h service), phone: +44 (0) 844-892-0111 (UK only); For other EU countries, please consult: http://echa.europa.eu/help/nationalhelp_contact_en.asp

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP):

Product definition: Mixture

H411 – Aquatic Chronic 2

H317 – Skin Sens. 1

H315 – Skin Irrit. 2

H319 – Eye Irrit. 2

2.2 Label elements

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

Signal word: Warning

Hazard statements:

H411 – Toxic to aquatic life with long lasting effects.

H317 – May cause an allergic skin reaction.

H315 – Causes skin irritation.

H319 – Causes serious eye irritation.

Precautionary statements (Prevention and Response):

P273 – Avoid release to the environment.

P261 – Avoid breathing dust/fumes/gas/mist/vapours/spray.

P272 – Contaminated work clothing should not be allowed out of the workplace.

P280 – Wear protective gloves/protective clothing/eye protection/face protection.

P264 – Wash thoroughly after handling.

P302+P352 – IF ON SKIN: Wash with plenty of soap and water.

P333+P313 – If skin irritation or rash occurs: Get medical advice/attention.

2.3 Other hazards: None known.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances: Mixture of natural, nature-identical and synthetic aroma products.

3.2 Mixture: Mixture of natural and synthetic aroma substances.

Hazardous ingredients:

Ingredient	%	CAS No. / EC No.	Index No. / REACH No.	Classification – Regulation (EC) No 1272/2008 (CLP)
Benzyl Benzoate (IUPAC: BENZYL BENZOATE)	<60%	CAS No. 120-51-4 EC No. 204-402-9	Index No. – REACH No. 01-2119976371-33-xxxx	Aquatic Chronic 2: H411 Acute Tox. 4 ORAL: H302
Iso E Super (IUPAC: 1-(1,2,3,4,5,6,7,8-OCTAHYDRO-2,3,8,8-TETRAMETHYL-2-NA PHTHYL)ETHAN-1-ONE)	<4%	CAS No. 54464-57-2 EC No. 259-174-3	Index No. – REACH No. –	Aquatic Chronic 2: H411 Skin Sens. 1: H317 Skin Irrit. 2: H315 Eye Irrit. 2: H319
Ethylene Brassylate (IUPAC: 1,4-DIOXACYCLOHEPTAD ECANE-5,17-DIONE)	<3.2%	CAS No. 105-95-3 EC No. 203-347-8	Index No. – REACH No. 01-2119976314-33-xxxx	Aquatic Chronic 3: H412
Vertenex (PTBCH Acetate) (IUPAC: 4-TERT-BUTYLCY CLOHEXYL ACETATE)	<2%	CAS No. 32210-23-4 EC No. 250-954-9	Index No. – REACH No. 01-2119976286-24-xxxx	Skin Sens. 1B: H317
Musk 50 IPM (IUPAC: 4,6,6,7,8,8-HEXAMETHYL-1H,3H,4H,6H,7H,8H-INDENO[5,6-C]PYRAN)	<1.2%	CAS No. 1222-05-5 EC No. 214-946-9	Index No. 603-212-00-7 REACH No. 01-2119488227-29-xxxx	Aquatic Chronic 1: H410 Aquatic Acute 1: H400 M Chr = 1
Aldehyde C-12 (MNA) (IUPAC: 2-METHYLUDECANAL)	<1.2%	CAS No. 110-41-8 EC No. 203-765-0	Index No. – REACH No. 01-2119969443-29-xxxx	Aquatic Chronic 1: H410 Aquatic Chronic 2: H411 Skin Sens. 1B: H317 Skin Irrit. 2: H315 Aquatic Acute 1: H400 M = 1 M Chr = 1
Cedarwood Oil TEXAS 100% pure and natural (IUPAC: CEDARWOOD OIL)	<1.2%	CAS No. 68990-83-0 EC No. 294-461-7	Index No. – REACH No. 01-2120753603-56-xxxx	Aquatic Chronic 1: H410 Skin Sens. 1B: H317 Skin Irrit. 2: H315 Aquatic Acute 1: H400 Asp. Tox. 1: H304 M = 1
Verdox (OTBCH Acetate) (IUPAC: (1S,2S)-2-TERT-B UTYLCYCLOHEXYL ACETATE)	<1.2%	CAS No. 88-41-5 / 20298-69-5 EC No. 243-718-1	Index No. – REACH No. –	Aquatic Chronic 2: H411
Dihydromyrcenol (Myrcetol) (IUPAC: 2,6-DIMETHYLOCT -7-EN-2-OL)	<1.2%	CAS No. 18479-58-8 EC No. 242-362-4	Index No. – REACH No. 01-2119457274-37-xxxx	Skin Irrit. 2: H315 Eye Irrit. 2: H319 STOT SE 3: H336
Clary Sage Oil 100% pure and natural (IUPAC: CLARY SAGE ESSENTIAL OIL)	<1.2%	CAS No. 8016-63-5 EC No. 283-911-8	Index No. – REACH No. 01-2120757185-50-xxxx	Skin Sens. 1B: H317 Aquatic Chronic 3: H412
Orange Oil 100% pure and natural (IUPAC: (2Z,6E)-2,6-DIMETHYL-10-METHYLIDE NEDODECA-2,6,11-TRIENA L)	<0.8%	CAS No. 8008-57-9 / 8028-48-6 EC No. 232-433-8	Index No. – REACH No. 01-2119493353-35-xxxx	Aquatic Chronic 2: H411 Skin Sens. 1: H317 Flam. Liq. 3: H226 Skin Irrit. 2: H315 Asp. Tox. 1: H304
Methyl Cedryl Ether (IUPAC: [3R-(3A,3AB,6A,7B,8AA)]-O CTAHYDRO-6-METHOXY-3 ,6,8,8-TETRAMETHYL-1H-3 A,7-METHANOAZULENE)	<0.8%	CAS No. 67874-81-1 EC No. 244-602-3	Index No. – REACH No. –	Aquatic Chronic 1: H410 Skin Sens. 1B: H317 Aquatic Acute 1: H400 M = 1

Ingredient	%	CAS No. / EC No.	Index No. / REACH No.	Classification – Regulation (EC) No 1272/2008 (CLP)
Fir Needle Oil Siberia (IUPAC: ABIES SIBIRICA, ESSENTIAL OIL)	<0.8%	CAS No. 91697-89-1 EC No. 294-351-9	Index No. – REACH No. 01-2120738835-44-xxxx	Aquatic Chronic 2: H411 Skin Sens. 1: H317 Flam. Liq. 3: H226 Skin Irrit. 2: H315 Eye Irrit. 2: H319 Asp. Tox. 1: H304
Linalool (IUPAC: 3,7-DIMETHYLOCTA-1,6-DIEN-3-OL)	<0.8%	CAS No. 78-70-6 EC No. 201-134-4	Index No. 603-235-00-2 REACH No. 01-2119474016-42-xxxx	Skin Sens. 1B: H317 Skin Irrit. 2: H315 Eye Irrit. 2: H319
Helional (Helioven) (IUPAC: 3-(2H-1,3-BENZODIOXOL-5-YL)-2-METHYLPROPANAL)	<0.65%	CAS No. 1205-17-0 EC No. 214-881-6	Index No. – REACH No. 01-2120740119-58-xxxx	Aquatic Chronic 2: H411 Skin Sens. 1B: H317 Repr. 2: H361
Benzyl Acetate (IUPAC: BENZYL ACETATE)	<0.6%	CAS No. 140-11-4 EC No. 205-399-7	Index No. – REACH No. 01-2119638272-42-xxxx	Aquatic Chronic 3: H412
Cis-3-Hexenyl Salicylate (IUPAC: (3Z)-HEX-3-EN-1-YL 2-HYDROXYBENZOATE)	<0.6%	CAS No. 65405-77-8 EC No. 265-745-8	Index No. – REACH No. 01-2119987320-37-0001	Aquatic Acute 1: H400 Repr. 2: H361 M = 1
Linalyl Acetate (IUPAC: 3,7-DIMETHYLOCTA-1,6-DIEN-3-YL ACETATE)	<0.6%	CAS No. 115-95-7 EC No. 204-116-4	Index No. – REACH No. 01-2119454789-19-xxxx	Skin Sens. 1B: H317 Skin Irrit. 2: H315 Eye Irrit. 2: H319
Cedar Leaf Oil	<0.6%	CAS No. 8007-20-3 / 90131-58-1 EC No. 290-370-1	Index No. – REACH No. 01-2120763401-62-xxxx	Aquatic Chronic 2: H411 Acute Tox. 4 ORAL: H302 Flam. Liq. 3: H226 Skin Sens. 1B: H317 Skin Irrit. 2: H315 Asp. Tox. 1: H304
Cyclamen Aldehyde (IUPAC: 2-METHYL-3-[4-(PROPAN-2-YL)PHENYL]PROPANAL)	<0.35%	CAS No. 103-95-7 EC No. 203-161-7	Index No. – REACH No. 01-2119970582-32-xxxx	Skin Sens. 1B: H317 Skin Irrit. 2: H315 Aquatic Chronic 3: H412 M Chr = 1
Citronellol (IUPAC: 3,7-DIMETHYLOCT-6-EN-1-OL)	<0.28%	CAS No. 106-22-9 EC No. 203-375-0	Index No. – REACH No. 01-2119453995-23-xxxx	Skin Sens. 1B: H317 Skin Irrit. 2: H315 Eye Irrit. 2: H319
Geraniol Fine 98% (IUPAC: (2E)-3,7-DIMETHYLOCTA-2,6-DIEN-1-OL)	<0.28%	CAS No. 106-24-1 EC No. 203-377-1	Index No. 603-241-00-5 REACH No. 01-2119552430-49-xxxx	Skin Sens. 1: H317 Skin Irrit. 2: H315 Eye Dam. 1: H318
Mint Terpenes (IUPAC: CORNMINT OIL)	<0.2%	CAS No. 90063-97-1 / 68608-35-5 EC No. 290-058-5	Index No. – REACH No. 01-2119973492-30-0042	Skin Sens. 1: H317 Acute Tox. 4 ORAL: H302 Skin Irrit. 2: H315 Eye Irrit. 2: H319 Aquatic Chronic 3: H412
Allyl Amyl Glycolate (IUPAC: PROP-2-EN-1-YL 2-(3-METHYLBUTOXY)ACETATE)	<0.2%	CAS No. 67634-00-8 EC No. 266-803-5	Index No. – REACH No. 01-2120795456-39-xxxx	Aquatic Chronic 1: H410 Acute Tox. 4 ORAL: H302 Aquatic Acute 1: H400 Acute Tox. 2 INHALATION: H330 M = 1 M Chr = 1
Methyl Cedryl Ketone (MCK) (IUPAC: (3R-(3A,3AB,7B,8A A))-1-(2,3,4,7,8,8A-HEXAHYDRO-3,6,8,8-TETRAMETHYL-1H-3A,7-METHANOAZULEN-5-YL)ETHAN-1-ONE)	<0.2%	CAS No. 32388-55-9 EC No. 251-020-3	Index No. – REACH No. 01-2119969651-28-xxxx	Aquatic Chronic 1: H410 Skin Sens. 1B: H317 Aquatic Acute 1: H400
Bacdanol (Srandanol) (IUPAC: (E)-2-ETHYL-4-(2,2,3-TRIMETHYL-1-CYCLOPENT-3-ENYL)BUT-2-EN-1-OL)	<0.2%	CAS No. 28219-61-6 / 106185-75-5 EC No. 248-908-8	Index No. – REACH No. –	Aquatic Chronic 1: H410 Eye Irrit. 2: H319 M Chr = 1
Hydroxycitronellal (IUPAC: 7-HYDROXY-3,7-DIMETHYLOCTANAL)	<0.12%	CAS No. 107-75-5 EC No. 203-518-7	Index No. – REACH No. 01-2119973482-31-xxxx	Skin Sens. 1B: H317 Eye Irrit. 2: H319
Ethyl Acetate (IUPAC: ETHYL ACETATE)	<0.12%	CAS No. 141-78-6 EC No. 205-500-4	Index No. – REACH No. 01-2119475103-46-xxxx	Eye Irrit. 2: H319 Flam. Liq. 2: H225 STOT SE 3: H336
Anethol (IUPAC: 1-METHOXY-4-[(1E)-PROP-1-EN-1-YL]BENZENE)	<0.12%	CAS No. 4180-23-8 EC No. 224-052-0	Index No. – REACH No. 01-2119979097-22-xxxx	Skin Sens. 1: H317 Aquatic Chronic 3: H412
Veramoss (IUPAC: METHYL 2,4-DIHYDROXY-3,6-DIMETHYLBENZOATE)	<0.12%	CAS No. 4707-47-5 EC No. 225-193-0	Index No. – REACH No. 01-2120762759-36-xxxx	Skin Sens. 1B: H317
Aldehyde Iso C11 (Intreleven aldehyde spec)	<0.12%	CAS No. 1337-83-3 EC No. 215-656-5	Index No. – REACH No. 01-2120116228-63-xxxx	Skin Sens. 1: H317 Skin Irrit. 2: H315 Eye Irrit. 2: H319

Ingredient	%	CAS No. / EC No.	Index No. / REACH No.	Classification – Regulation (EC) No 1272/2008 (CLP)
Dipentene (IUPAC: 1-METHYL-4-(PROP-1-EN-2-YL)CYCLOHEX-1-ENE)	<0.12%	CAS No. 138-86-3 / 7705-14-8 / 68956-56-9 EC No. 205-341-0 / 231-7	Index No. – REACH No. 01-2120766421-57-xxxx	Aquatic Chronic 1: H410 Skin Sens. 1: H317 Flam. Liq. 3: H226 Skin Irrit. 2: H315 Aquatic Acute 1: H400
BHT (IUPAC: 2,6-DI-TERT-BUTYL-4-METHYLPHENOL)	<0.08%	CAS No. 128-37-0 EC No. 204-881-4	Index No. – REACH No. 01-2119555270-46-0000	Aquatic Chronic 1: H410 M Chr = 1

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation:

Immediately move the affected person to fresh air. Seek medical attention if symptoms persist.

Ingestion:

Rinse mouth thoroughly with water. Give plenty of water to drink. Seek medical attention immediately.

Skin contact:

Remove any contact lenses and open eyelids wide. Rinse immediately with plenty of water for at least 15 minutes. Seek medical attention if symptoms persist.

Eye contact:

Remove any contact lenses and open eyelids wide. Rinse immediately with plenty of water for at least 15 minutes. Seek medical attention if symptoms persist.

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

Persons with asthma, eczema or skin problems should avoid contact with this product, including skin contact. For further information on health hazards see Section 11.

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

Advice for physician: No special recommendations.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media: Use foam, carbon dioxide or dry powder.

Unsuitable extinguishing media: Water.

5.2 Special hazards arising from the substance or mixture:

Special hazards: Toxic gases or vapours.

5.3 Advice for firefighters:

Firefighting precautions: Containers near fire should be removed or cooled with water.

Special protective equipment for firefighters: Wear a self-contained positive-pressure breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Wear appropriate protective equipment including gloves, protective goggles/face shield, respiratory protection mask, boots, clothing or apron as required. Smoking, sparks, flames or other ignition sources near spilled liquids are prohibited.

6.2 Environmental precautions:

Do not allow to enter drains, waterways or soil.

6.3 Methods and material for containment and cleaning up:

Collect spilled material and place in appropriate containers for disposal.

6.4 Reference to other sections:

See Section 8 for personal protection and Section 13 for disposal.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

Precautions during use: Wear protective clothing as described in Section 8 of this Safety Data Sheet. Avoid contact with skin, eyes and clothing.

General occupational hygiene: Do not eat, drink or smoke during use of this product. Wash hands at the end of each work shift and before eating, smoking and using the toilet.

7.2 Conditions for safe storage, including any incompatibilities:

Storage precautions: Store in tightly closed original container in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flames. Protect from frost and direct sunlight.

7.3 Specific end use(s): Not specified.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Ingredient	CAS No.	TWA, 8 hours
Ethyl Acetate (IUPAC: ETHYL ACETATE)	141-78-6	TWA = 200* mg/m ³
Benzyl Acetate (IUPAC: BENZYL ACETATE)	140-11-4	TWA = 5* mg/m ³

Protection type	Details
Additional information	Information valid at the time of review of the Safety Data Sheet.
8.2 Exposure controls	
Technical measures	The usual precautionary measures for handling chemicals must be observed. See Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens or mutagens at work.
Hygiene measures	Do not eat, drink or smoke at work.
General protective and hygiene measures	Avoid contact with eyes. Wash hands before breaks and at the end of the shift. Provide a skin protection plan.
Respiratory protection	Avoid excessive inhalation of concentrated vapours. Ensure adequate ventilation. In case of exposure to high concentrations, suitable certified respiratory protection equipment must be worn. For large-scale exposure, suitable respiratory protection must be worn. Suitable face mask according to EN 140.
Body protection	Protective clothing. Safety showers should be available in the immediate vicinity of possible exposure points. Wear appropriate protective clothing, overalls or suits and similar boots according to EN 365/367.
Eye protection	In case of risk of possible eye contact, suitable protective glasses with side protection according to EN 166 must be worn. Emergency eye showers should be available in the immediate vicinity of possible exposure points.
Hygiene measures (supplementary)	No special hygiene measures are recommended, but good personal hygiene practices should always be observed when working with chemical products.
Hand protection	Chemical-resistant gloves according to DIN EN 374 with CE marking. Suitable material: Nitrile, 0.13 mm. Permeation breakthrough time: 1 hour. Check protective gloves after each use for damage such as holes, cuts or tears. Do not wear protective gloves longer than necessary. Apply skin cleansing agent and skin cosmetic after use. Gloves for mechanical protection do not provide protection against chemicals.
Risk management measures	Operators must be adequately trained. The workplace must be regularly inspected by qualified personnel, e.g. the safety officer.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Property	Value
Appearance	Homogeneous transparent liquid; opalescence is allowed.
Colour	Colourless to brown
Odour	Fragrance description
Auto-ignition temperature	No self-ignition

Property	Value
Boiling point	No data
Decomposition temperature	No data available
Density, 20 °C	0.9 – 1.6 g/cm ³
Flash point	> 61 °C
Freezing point	No data available
Kinematic viscosity	No data available
Upper and lower explosive limits	Not explosive
Melting point/melting range	< 0 °C
Partition coefficient n-octanol/water (log mean)	No data available
pH	No data available
Relative vapour density	No data available
Solubility in alcohol	Soluble
Solubility in water	Limited solubility
Vapour pressure	No data available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

The product is stable and relatively inert under normal conditions of use, storage and transport.

10.2 Chemical stability:

The product is stable under the conditions of use specified in Section 7.

10.3 Possibility of hazardous reactions:

No information on hazardous reactions under normal conditions of use.

10.4 Conditions to avoid:

Contact with incompatible materials.

10.5 Incompatible materials:

Strong acids, strong bases, strong oxidising agents.

10.6 Hazardous decomposition products:

No decomposition products if stored and handled as specified. In the event of fire, hazardous gases may form.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

INHALATION:

Acute toxicity: No data.

Corrosion/Irritation: Not classified – based on available data, the classification criteria are not met.

Sensitisation: Does not contain substances classified as inhalation allergens. Not classified – based on available data, the classification criteria are not met.

Carcinogenicity: Does not contain carcinogenic substances. Not classified – based on available data, the classification criteria are not met.

Mutagenicity: Does not contain mutagenic substances. Not classified – based on available data, the classification criteria are not met.

SKIN CONTACT:

Acute toxicity: No data.

Corrosion/Irritation: Not classified – based on available data, the classification criteria are not met.

Sensitisation: Does not contain substances classified as inhalation allergens. Not classified – based on available data, the classification criteria are not met.

Carcinogenicity: Does not contain carcinogenic substances. Not classified – based on available data, the classification criteria are not met.

Mutagenicity: Does not contain mutagenic substances. Not classified – based on available data, the classification criteria are not met.

EYE CONTACT:

Corrosion/Irritation: No data.

AFTER INGESTION:

Acute toxicity: No data.

Corrosion/Irritation: May cause nausea, vomiting and diarrhoea.

Sensitisation: Does not contain carcinogenic substances. Not classified – based on available data, the classification criteria are not met.

Carcinogenicity: Does not contain carcinogenic substances. Not classified – based on available data, the classification criteria are not met.

Mutagenicity: Does not contain mutagenic substances. Not classified – based on available data, the classification criteria are not met.

Reproductive toxicity: Reproductive toxicity not expected. Not classified – based on available data, the classification criteria are not met. **Fertility:** Not classified – based on available data, the classification criteria are not met.

11.2 Primary irritant effect: Skin irritation, Hazard Category 2.

11.2.1 Endocrine disrupting properties:

Musk 50 IPM (IUPAC: 4,6,6,7,8,8-HEXAMETHYL-1H,3H,4H,6H,7H,8H-INDENO PYRAN),

BHT (IUPAC: 2,6-DI-TERT-BUTYL-4-METHYLPHENOL)

11.3 Sensitisation: Classified as Sensitisation — Skin, hazard category 1.

11.4 Chronic effects: Classified as Hazardous to the aquatic environment — Chronic Category 2.

11.5 Target organs: Classified as having no classifiable toxicity.

11.6 Carcinogenicity: Classified as having no classifiable toxicity.

11.7 Mutagenicity: Classified as having no classifiable toxicity.

11.8 Reproductive toxicity: Classified as having no classifiable toxicity.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity:

No ecotoxicological studies have been carried out on this product.

Ecotoxicity – Toxic to aquatic organisms:

Aquatic toxicity data for ingredients:

Ingredient / CAS No.	Test	Result
Benzyl Benzoate (IUPAC: BENZYL BENZOATE) / 120-51-4	LC50/48h	7.77 mg/l (Aquatic invertebrates)
Benzyl Benzoate / 120-51-4	EC50/48h	3.09 mg/l (Aquatic invertebrates)
Benzyl Benzoate / 120-51-4	LC50/24h	11 mg/l (Aquatic invertebrates)
Benzyl Benzoate / 120-51-4	EC50/72h	311 (Aquatic algae and cyanobacteria)
Benzyl Benzoate / 120-51-4	LC50/96h	2.32 mg/l (Fish)
Benzyl Benzoate / 120-51-4	EC50/24h	4.26 mg/l (Fish)
Ethylene Brassylate (IUPAC: 1,4-DIOXACYCLOHEPTADECANE-5,17-DIONE) / 105-95-3	LC50/48h	2.67 mg/l (Aquatic invertebrates)
Ethylene Brassylate / 105-95-3	EC50/72h	14.579 mg/l (Aquatic algae and cyanobacteria)
Ethylene Brassylate / 105-95-3	EC50/96h	788 (Aquatic algae and cyanobacteria)
Ethylene Brassylate / 105-95-3	LC50/96h	2.13 mg/l (Fish)

Ingredient / CAS No.	Test	Result
Vertenex (PTBCH Acetate) (IUPAC: 4-TERT-BUTYLCYCLOHEXYL ACETATE) / 32210-23-4	EC50/48h	5.3 mg/l (Aquatic invertebrates)
Vertenex / 32210-23-4	EC50/72h	22 mg/l (Algae)
Vertenex / 32210-23-4	LC50/96h	8.6 mg/l (Fish)
Musk 50 IPM (IUPAC: 4,6,6,7,8,8-HEXAMETHYL-1H,3H,4H,6H,7H,8H-INDENO[5,6-C]PYRAN) / 1222-05-5	EC50/48h	300 µg/L (Aquatic invertebrates)
Musk 50 IPM / 1222-05-5	EC50/72h	854 µg/L (Aquatic algae and cyanobacteria)
Musk 50 IPM / 1222-05-5	LC50/96h	950 µg/L (Fish)
Aldehyde C-12 (MNA) (IUPAC: 2-METHYLUNDECANAL) / 110-41-8	EC50/48h	210 (Aquatic invertebrates)
Aldehyde C-12 (MNA) / 110-41-8	EC50/72h	110 (Algae)
Aldehyde C-12 (MNA) / 110-41-8	LC50/96h	350 (Fish)
Aldehyde C-12 (MNA) / 110-41-8	LC50/72h	350 (Fish)
Aldehyde C-12 (MNA) / 110-41-8	LC50/48h	460 (Fish)
Aldehyde C-12 (MNA) / 110-41-8	LC50/24h	460 (Fish)
Dihydromyrcenol (Myrcetol) (IUPAC: 2,6-DIMETHYLOCT-7-EN-2-OL) / 18479-58-8	EC50/48h	9.1 mg/l (Aquatic invertebrates)
Dihydromyrcenol / 18479-58-8	EC50/72h	6 485 (Algae)
Linalool (IUPAC: 3,7-DIMETHYLOCTA-1,6-DIEN-3-OL) / 78-70-6	EC50/96h	59 mg/l (Aquatic invertebrates)
Linalool / 78-70-6	EC50/96h	122.5 mg/l (Algae)
Linalool / 78-70-6	LC50/96h	27.8 mg/l (Fish)
Linalool / 78-70-6	LC50/72h	27.8 mg/l (Fish)
Linalool / 78-70-6	LC50/48h	27.8 mg/l (Fish)
Helional (Helioven) (IUPAC: 3-(2H-1,3-BENZODI OXOL-5-YL)-2-METHYLPROPANAL) / 1205-17-0	EC50/48h	8.3 mg/l (Aquatic invertebrates)
Helional / 1205-17-0	EC50/24h	17 mg/l (Aquatic invertebrates)
Helional / 1205-17-0	EC50/72h	14 mg/l (Aquatic algae and cyanobacteria)
Benzyl Acetate (IUPAC: BENZYL ACETATE) / 140-11-4	EC50/48h	17 mg/l (Aquatic invertebrates)
Benzyl Acetate / 140-11-4	EC50/72h	101 mg/l (Algae)
Benzyl Acetate / 140-11-4	LC50/96h	4 mg/l (Fish)
Cis-3-Hexenyl Salicylate (IUPAC: (3Z)-HEX-3-EN-1-YL 2-HYDROXYBENZOATE) / 65405-77-8	EC50/48h	2.7 mg/l (Aquatic invertebrates)
Cis-3-Hexenyl Salicylate / 65405-77-8	EC50/24h	3.7 mg/l (Aquatic invertebrates)
Cis-3-Hexenyl Salicylate / 65405-77-8	EC50/72h	610 (Aquatic algae and cyanobacteria)
Cis-3-Hexenyl Salicylate / 65405-77-8	LC50/96h	3.8 mg/l (Fish)
Linalyl Acetate (IUPAC: 3,7-DIMETHYLOCTA-1,6-DIEN-3-YL ACETATE) / 115-95-7	EC50/48h	59 mg/l (Aquatic invertebrates)
Linalyl Acetate / 115-95-7	EC50/24h	71 mg/l (Aquatic invertebrates)
Linalyl Acetate / 115-95-7	EC50/96h	88.3 mg/l (Aquatic algae and cyanobacteria)
Linalyl Acetate / 115-95-7	LC50/96h	11 mg/l (Fish)
Linalyl Acetate / 115-95-7	LC50/–	11.14 mg/l (Fish)
Linalyl Acetate / 115-95-7	EC50/48h	59 mg/l (Fish)
Cedar Leaf Oil / 8007-20-3 / 90131-58-1	EC50/48h	1.7 mg/l (Aquatic invertebrates)
Cedar Leaf Oil / 8007-20-3 / 90131-58-1	EC50/96h	3.24 mg/l (Aquatic algae and cyanobacteria)
Cyclamen Aldehyde (IUPAC: 2-METHYL-3-[4-(P ROPAN-2-YL)PHENYL]PROPANAL) / 103-95-7	EC50/48h	1.4 mg/l (Aquatic invertebrates)
Cyclamen Aldehyde / 103-95-7	EC50/72h	2.7 mg/l (Algae)
Cyclamen Aldehyde / 103-95-7	EC50/96h	2.7 mg/l (Algae)
Cyclamen Aldehyde / 103-95-7	LC50/96h	1.092 mg/l (Fish)
Citronellol (IUPAC: 3,7-DIMETHYLOCT-6-EN-1-OL) / 106-22-9	EC50/48h	17.48 mg/l (Aquatic invertebrates)
Citronellol / 106-22-9	EC50/72h	2.4 mg/l (Aquatic algae and cyanobacteria)

Ingredient / CAS No.	Test	Result
Citronellol / 106-22-9	LC50/96h	14.66 mg/l (Fish)
Geraniol Fine 98% (IUPAC: (2E)-3,7-DIMETHYLOCTA-2,6-DIEN-1-OL) / 106-24-1	EC50/48h	10.8 mg/l (Daphnia magna)
Geraniol Fine 98% / 106-24-1	LC50/96h	22 mg/l (Zebrafish)
Geraniol Fine 98% / 106-24-1	EC50/72h	13.1 mg/l (Desmodesmus subspicatus)
Mint Terpenes (IUPAC: CORNMINT OIL) / 90063-97-1 / 68608-35-5	EC50/48h	2.43 mg/l (Aquatic invertebrates)
Mint Terpenes / 90063-97-1 / 68608-35-5	EC50/96h	2.63 mg/l (Algae)
Mint Terpenes / 90063-97-1 / 68608-35-5	LC50/96h	3.01 mg/l (Fish)
Allyl Amyl Glycolate (IUPAC: PROP-2-EN-1-YL 2-(3-METHYLBUTOXY)ACETATE) / 67634-00-8	LC50/48h	5.09 mg/l (Aquatic invertebrates)
Allyl Amyl Glycolate / 67634-00-8	EC50/96h	2.06 mg/l (Aquatic algae and cyanobacteria)
Allyl Amyl Glycolate / 67634-00-8	LC50/96h	768 µg/L (Fish)
Methyl Cedryl Ketone (MCK) / 32388-55-9	EC50/48h	860 µg/L (Aquatic invertebrates)
Methyl Cedryl Ketone (MCK) / 32388-55-9	EC50/21 days	320 µg/L (Aquatic invertebrates)
Methyl Cedryl Ketone (MCK) / 32388-55-9	EC50/96h	4.3 mg/l (Aquatic algae and cyanobacteria)
Methyl Cedryl Ketone (MCK) / 32388-55-9	LC50/96h	3 mg/l (Fish)
Hydroxycitronellal (IUPAC: 7-HYDROXY-3,7-DIMETHYLOCTANAL) / 107-75-5	EC50/48h	410 mg/l (Aquatic invertebrates)
Hydroxycitronellal / 107-75-5	EC50/72h	123.32 mg/l (Algae)
Ethyl Acetate (IUPAC: ETHYL ACETATE) / 141-78-6	EC50/48h	5.6 g/l (Algae)
Ethyl Acetate / 141-78-6	LC50/96h	230 mg/l (Fish)
Ethyl Acetate / 141-78-6	EC50/96h	220 mg/l (Fish)
Anethol (IUPAC: 1-METHOXY-4-[(1E)-PROP-1-EN-1-YL]BENZENE) / 4180-23-8	LC50/48h	6.82 mg/l (Aquatic invertebrates)
Anethol / 4180-23-8	EC50/48h	4.25 mg/l (Aquatic invertebrates)
Anethol / 4180-23-8	EC50/21 days	2.81 mg/l (Aquatic invertebrates)
Anethol / 4180-23-8	LC50/96h	7 mg/l (Fish)
Veramoss (IUPAC: METHYL 2,4-DIHYDROXY-3,6-DIMETHYLBENZOATE) / 4707-47-5	EC50/48h	9.3 mg/l (Aquatic invertebrates)
Veramoss / 4707-47-5	EC50/96h	3.3 mg/l (Aquatic algae and cyanobacteria)
Veramoss / 4707-47-5	LC50/96h	5.2 mg/l (Fish)
Aldehyde Iso C11 (Intreleven aldehyde spec) / 1337-83-3	EC50/48h	3.147 mg/l (Aquatic invertebrates)
Aldehyde Iso C11 / 1337-83-3	EC50/24h	10 mg/l (Aquatic invertebrates)
Aldehyde Iso C11 / 1337-83-3	EC50/72h	25.002 mg/l (Aquatic algae and cyanobacteria)
Aldehyde Iso C11 / 1337-83-3	EC50/96h	2.267 mg/l (Aquatic algae and cyanobacteria)
Aldehyde Iso C11 / 1337-83-3	LC50/96h	1.427 mg/l (Fish)
BHT (IUPAC: 2,6-DI-TERT-BUTYL-4-METHYLPHENOL) / 128-37-0	EC50/72h	5 120 µg/L (Algae)
BHT / 128-37-0	EC50/96h	758 µg/L (Algae)
BHT / 128-37-0	LC50/96h	384.5 µg/L (Fish)

SECTION 12 (CONTINUED): PERSISTENCE, BIOACCUMULATION AND OTHER ECOLOGICAL DATA

12.2 Persistence and degradability:

May cause long-term adverse effects in the aquatic environment.

Assessment of biodegradation and elimination: No data.

12.3 Bioaccumulative potential:

No further relevant information available. Low bioaccumulation potential: logPow < 4 (logPow calculated = 0).

12.4 Mobility in soil:

No data.

12.5 Results of PBT and vPvB assessment:

This mixture does not contain any substances that meet the PBT or vPvB criteria of REACH, Annex XIII.

12.6 Endocrine disrupting properties:

Musk 50 IPM (IUPAC: 4,6,6,7,8,8-HEXAMETHYL-1H,3H,4H,6H,7H,8H-INDENO PYRAN),

BHT (IUPAC: 2,6-DI-TERT-BUTYL-4-METHYLPHENOL)

12.7 Other adverse effects:

Global warming potential: Cannot contribute to the greenhouse effect.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Dispose of the product in accordance with local and national regulations.

Product residues: Do not pour residues into municipal drains.

Additional warning: None.

European Waste Catalogue: Dispose of in accordance with Directives 2008/98/EC, 94/62/EC, 2014/955/EU and 2008/98/EC.

EWC Code	Description
07	Wastes from organic chemical processes:
07 07	Wastes from MFSU of fine chemicals and chemical products not otherwise specified
07 07 99	Wastes not otherwise specified
15 02 02*	Absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by hazardous substances

Item	Details
Contaminated packaging	Hand over remaining packaging after use to the person responsible for the disposal of hazardous waste.
Recommendation	Avoid release to the environment.

SECTION 14: TRANSPORT INFORMATION

Item	Details
14.1 UN number	UN 3082
14.2 Proper UN shipping name	UN 3082 Environmentally hazardous substance, liquid, N.O.S. (Allyl heptanoate, 7-Acetyl-1,1,3,4,4,6-hexamethylether)
14.3 Transport hazard class (ADR, IATA, IMDG)	9
Hazard label	9
14.4 Packing group (ADR, IATA, IMDG)	III
14.5 Environmental hazards / Marine pollutant	Yes
14.6 Special precautions for user	Read the Safety Data Sheet and emergency procedures before handling.
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable. Packaged liquids are not considered bulk cargo.

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific to the substance or mixture:

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

Directive 2006/11/EC of the European Parliament and of the Council of 15 February 2006 on pollution caused by certain dangerous substances discharged into the aquatic environment of the Community.

Regulation (EC) No 1272/2008 (CLP) of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Information on use restrictions:

Observe Directive 94/33/EC on the protection of young people at work.

Observe Directive 92/85/EC on safety and health at work of pregnant workers.

15.2 Chemical safety assessment: Not applicable.

Full text of classifications including hazard statements, hazard symbols and hazard notices listed in Section 2 or 3:

Revisions are indicated by a black line in the left margin.

ABBREVIATIONS AND ACRONYMS:

PBT: Persistent, bioaccumulative, toxic

vPvB: Very persistent, very bioaccumulative

EC: European inventory of existing commercial chemical substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

IATA: International Air Transport Association

IMDG: International Maritime Dangerous Goods Code

LC50: Median (50%) lethal concentration

LD50: Median (50%) lethal dose

EC50: Effective concentration: 50 percent

CLP: Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

ECHA: European Chemicals Agency, Helsinki (http://echa.europa.eu/home_en.asp)

TWA: Time-weighted average

IBC code: International Bulk Chemical Code

MARPOL: International Convention for the Prevention of Pollution from Ships

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals

UN: United Nations

ATE: Acute toxicity estimate

SECTION 16: OTHER INFORMATION

The information contained in this Safety Data Sheet is based on current and reliable sources. However, these data are provided without any express or implied warranty as to their accuracy or correctness. Since the conditions of use, handling, storage and disposal of this product are beyond the control of the supplier, it is the responsibility of the user to determine safe conditions of use and to be liable for losses, damages and costs arising from improper use. No express or implied warranty regarding the product described herein may be derived from statements or omissions in this Safety Data Sheet.

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