

MATERIAL 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 of 18 June 2020

Fragrance Linden Blossom 00010788

version No. EN 6

date of update: 17.09.2025 print: 17.06.2026

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

1.1. Product identifier:

MIXTURE IDENTIFICATION:	Fragrance, flavour, auto cosmetology, industrial and home chemistry
Trade name:	Fragrance Linden Blossom 00010788
Product number:	00010788
UFI Code:	USW0-R00J-N00Y-EXM9

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

RECOMMENDED USE:	Aromatic ingredient for household chemicals and cosmetics. Manufacturing use only, not for direct consumption as such.
USES ADVISED AGAINST:	Do not use in food.

1.3. Details of the supplier of the Safety Data Sheet:

COMPETENT PERSON RESPONSIBLE FOR THE MATERIAL SAFETY DATA SHEET:	Lemo Fun SRL
ADDRESS OF THE SUPPLIER:	Nicolae Licaret 6, Bucharest, Romania
TELEPHONE NUMBER OF THE SUPPLIER:	+40784943113
E-MAIL:	info@shoplumanari.ro
WEBSITE:	www.shoplumanari.ro

1.4. Emergency contacts:

IN CASE OF INTOXICATION:	LATVIA – State fire and rescue service: (+371) 112; (+371) 113; The national poison information center: +371 67042468; GERMANY – International emergency number: +49 180 2273-112. Transport Emergency phone number: (24 h service), phone: +49 621 60-43333; UNITED KINGDOM – National Poisons Information Service (24 h service), phone: +44 (0) 844-892-0111 (UK only); FRANCE – INRS FRANCE: phone: +33 (0)1 45 42 59-59. CZECH REPUBLIC – Klinika pracovního lékařství VFN a 1. LF UK, Na Bojišti 1, 120 00, Praha 2 224 91 92 93, 224 91 54 02 (nepřetržitě). FOR OTHER EU COUNTRIES, please consult: http://echa.europa.eu/help/nationalhelp_contact_en.asp
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SECTION 2 – HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture:

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

Product definition:	Mixture
H412:	Aquatic Chronic 3 – Harmful to aquatic life with long lasting effects.
H317:	Skin Sens. 1 – May cause an allergic skin reaction.
H319:	Eye Irrit. 2 – Causes serious eye irritation.

Please refer to Section 16 for full text of hazard statements.

2.2. Label elements:

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

Hazardous substances: see Section 3.

Hazard pictograms:



Signal word:	Warning
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Hazard statements:

H412	Harmful to aquatic life with long lasting effects.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.

Precautionary statements (Prevention and Intervention):

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:

Other hazards:	No data available.
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SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

3.1. SUBSTANCES:	Mixture of natural, nature identical and synthetic aromatic products.
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3.2. MIXTURES:	Mixture of natural and synthetic aromatic ingredients.
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3.2. Hazardous components:

INGREDIENTS	%	CAS No. / EC No. / Index No. / REACH No.	Classification REGULATION (EC) No 1272/2008
Mineral oil	<28%	CAS No. 8042-47-5 EC No. 232-455-8 Index No. – REACH No. –	–
Ethylene Brassylate (IUPAC: 1,4-DIOXACYCLOHEPTADECANE-5,17-DIONE)	<3.88%	CAS No. 105-95-3 EC No. 203-347-8 REACH No. 01-2119976314-33-xxxx	Aquatic Chronic 3: H412
Florol (IUPAC: 2-(ISOBUTYL)-4-HYDROXY-4-METHYL TETRAHYDROPYRAN)	<2.8%	CAS No. 63500-71-0 EC No. 405-040-6 REACH No. –	Eye Irrit. 2: H319
Hexyl Cinnamic Aldehyde Alpha (IUPAC: (2E)-2-(PHENYLMETHYLIDENE)OCTANAL)	<1.3%	CAS No. 101-86-0 / 165184-98-5 EC No. 202-983-3 REACH No. 01-2119533092-50-xxxx	Aquatic Chronic 2: H411 Skin Sens. 1: H317 Aquatic Acute 1: H400 M=1; M Chr=1
Linalool (IUPAC: 3,7-DIMETHYLOCTA-1,6-DIEN-3-OL)	<1%	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
Ethyl Linalool (IUPAC: (6E)-3,7-DIMETHYLNONA-1,6-DIEN-3-OL)	<1%	CAS No. 10339-55-6 EC No. 233-732-6 REACH No. 01-2119969272-32-xxxx	Skin Sens. 1B: H317 Skin Irrit. 2: H315 Eye Irrit. 2: H319
Aldehyde C-14 (IUPAC: 5-HEPTYLOXOLAN-2-ONE)	<1%	CAS No. 104-67-6 EC No. 203-225-4 REACH No. 01-2119959333-34-xxxx	Aquatic Chronic 3: H412
Terpineol (IUPAC: 1-HYDROPEROXY-2,7,7-TRIMETHYL-BICYCLO[3.1.1]HEPTANE)	<1%	CAS No. 98-55-5 / 8000-41-7 EC No. 232-268-1 REACH No. 01-2119978235-29-xxxx	Skin Irrit. 2: H315 Eye Irrit. 2: H319
Undecavertol (IUPAC: (3E)-4-METHYLDEC-3-EN-5-OL)	<0.9%	CAS No. 81782-77-6 EC No. 279-815-0 REACH No. 01-2119983528-21-xxxx	Aquatic Acute 1: H400 M=1
Benzyl Acetate (IUPAC: BENZYL ACETATE)	<0.8%	CAS No. 140-11-4 EC No. 205-399-7 REACH No. 01-2119638272-42-xxxx	Aquatic Chronic 3: H412
Macrolide (IUPAC: 1-OXACYCLOHEXADECAN-2-ONE)	<0.7%	CAS No. 106-02-5 EC No. 203-354-6 REACH No. 01-2119987323-31-xxxx	Aquatic Chronic 2: H411 Skin Sens. 1B: H317
Heliolal (Helioven) (IUPAC: 3-(2H-1,3-BENZODIOL-5-YL)-2-METHYLPROPANAL)	<0.69%	CAS No. 1205-17-0 EC No. 214-881-6 REACH No. 01-2120740119-58-xxxx	Aquatic Chronic 2: H411 Skin Sens. 1B: H317 Repr. 2: H361
Cinnamic Alcohol (IUPAC: (2E)-3-PHENYLPROP-2-EN-1-OL)	<0.4%	CAS No. 104-54-1 EC No. 203-212-3 REACH No. –	Aquatic Chronic 2: H411 Skin Sens. 1: H317 Skin Irrit. 2: H315
Benzyl Salicylate (IUPAC: BENZYL 2-HYDROXYBENZOATE)	<0.4%	CAS No. 118-58-1 EC No. 204-262-9 REACH No. 01-2119969442-31-xxxx	Skin Sens. 1B: H317 Eye Irrit. 2: H319 Aquatic Chronic 3: H412
Iso E Super (IUPAC: 1-(1,2,3,4,5,6,7,8-OCTAHYDRO-2,3,8,8-TETRAMETHYL-2-NAPHTHYL)ETHAN-1-ONE)	<0.4%	CAS No. 54464-57-2 EC No. 259-174-3 REACH No. –	Aquatic Chronic 2: H411 Skin Sens. 1: H317 Skin Irrit. 2: H315 Eye Irrit. 2: H319
Cis-3-Hexenyl Salicylate (IUPAC: (3Z)-HEX-3-EN-1-YL 2-HYDROXYBENZOATE)	<0.4%	CAS No. 65405-77-8 EC No. 265-745-8 REACH No. 01-2119987320-37-0001	Aquatic Acute 1: H400 Repr. 2: H361 M=1

INGREDIENTS	%	CAS No. / EC No. / Index No. / REACH No.	Classification REGULATION (EC) No 1272/2008
Amberwood F (Boisambrene Forte) (IUPAC: (ETHOXYMETHOXY)CYCLODO DECANE)	<0.32%	CAS No. 58567-11-6 EC No. 261-332-1 REACH No. 01-2119971571-34-xxxx	Aquatic Chronic 2: H411 Skin Sens. 1B: H317 Skin Irrit. 2: H315
D-Limonene (IUPAC: (4R)-1-METHYL-4-(PROP-1-EN-2-YL)CYCLOHEX-1-ENE)	<0.3%	CAS No. 5989-27-5 / 8028-48-6 EC No. 227-813-5 Index No. 601-096-00-2 REACH No. 01-2119529223-47-xxxx	Flam. Liq. 3: H226 Skin Sens. 1B: H317 Skin Irrit. 2: H315 Aquatic Acute 1: H400 Asp. Tox. 1: H304 Aquatic Chronic 3: H412 M=1
Cyclamen Aldehyde (IUPAC: 2-METHYL-3-[4-(PROPAN-2-YL)PHENYL]PROPANAL)	<0.29%	CAS No. 103-95-7 EC No. 203-161-7 REACH No. 01-2119970582-32-xxxx	Skin Sens. 1B: H317 Skin Irrit. 2: H315 Aquatic Chronic 3: H412 M Chr=1
Musk 50 IPM (IUPAC: 4,6,6,7,8,8-HEXAMETHYL-1H,3H,4H,6H,7H,8H-INDENO[5,6-C]PYRAN)	<0.24%	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
Trivertal (IUPAC: 1,2-DIMETHYLCYCLOHEX-3-ENE-1-CARBALDEHYDE)	<0.2%	CAS No. 27939-60-2 / 68039-49-6 EC No. 248-742-6 REACH No. 01-2120766006-57-xxxx	Aquatic Chronic 2: H411 Skin Sens. 1B: H317 Skin Irrit. 2: H315 Eye Irrit. 2: H319
Anisyl Acetate (IUPAC: (4-METHOXYPHENYL)METHYL ACETATE)	<0.2%	CAS No. 104-21-2 EC No. 203-185-8 REACH No. 01-2120104878-50-xxxx	Skin Sens. 1B: H317
Citronellol (IUPAC: 3,7-DIMETHYLOCT-6-EN-1-OL)	<0.16%	CAS No. 106-22-9 EC No. 203-375-0 REACH No. 01-2119453995-23-xxxx	Skin Sens. 1B: H317 Skin Irrit. 2: H315 Eye Irrit. 2: H319
Vertenex (PTBCH Acetate) (IUPAC: 4-TERT-BUTYLCYCLOHEXYL ACETATE)	<0.14%	CAS No. 32210-23-4 EC No. 250-954-9 REACH No. 01-2119976286-24-xxxx	Skin Sens. 1B: H317
Linalyl Acetate (IUPAC: 3,7-DIMETHYLOCTA-1,6-DIEN-3-YL ACETATE)	<0.14%	CAS No. 115-95-7 EC No. 204-116-4 REACH No. 01-2119454789-19-xxxx	Skin Sens. 1B: H317 Skin Irrit. 2: H315 Eye Irrit. 2: H319
Hydroxycitronellal (IUPAC: 7-HYDROXY-3,7-DIMETHYLOCTANAL)	<0.14%	CAS No. 107-75-5 EC No. 203-518-7 REACH No. 01-2119973482-31-xxxx	Skin Sens. 1B: H317 Eye Irrit. 2: H319
Ethyl Acetate (IUPAC: ETHYL ACETATE)	<0.06%	CAS No. 141-78-6 EC No. 205-500-4 REACH No. 01-2119475103-46-xxxx	Eye Irrit. 2: H319 Flam. Liq. 2: H225 STOT SE 3: H336
Benzyl Alcohol (IUPAC: PHENYLMETHANOL)	<0.02%	CAS No. 100-51-6 EC No. 202-859-9 Index No. 603-057-00-5 REACH No. 01-2119492630-38-xxxx	Acute Tox. 4 (Oral): H302 Acute Tox. 4 (Inhal.): H332
Acetophenone (IUPAC: 1-PHENYLETHAN-1-ONE)	<0.01%	CAS No. 98-86-2 EC No. 202-708-7 REACH No. 01-2119533169-37-xxxx	Acute Tox. 4 (Oral): H302 Eye Irrit. 2: H319
BHT (IUPAC: 2,6-DI-TERT-BUTYL-4-METHYLPHENOL)	<0.01%	CAS No. 128-37-0 EC No. 204-881-4 REACH No. 01-2119555270-46-0000	Aquatic Chronic 1: H410 M Chr=1

SECTION 4 – FIRST-AID MEASURES

Inhalation:	Move affected person to fresh air at once. Get medical attention if any discomfort continues.
Ingestion:	Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention immediately.
Skin contact:	Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if symptoms are severe or persist after washing.
Eye contact:	Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

General information:	Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product. See Section 11 for additional information on health hazards.
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4.3. Indication of any immediate medical attention and special treatment needed:

Notes for the doctor:	No specific recommendations.
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SECTION 5 – FIRE-FIGHTING MEASURES

5.1. Extinguishing media:

Suitable extinguishing media:	Extinguish with the following media: Foam, carbon dioxide or dry powder.
Unsuitable extinguishing media:	Water.

5.2. Special hazards arising from the substance or mixture:

Specific hazards:	Toxic gases or vapours.
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5.3. Advice for firefighters:

Protective actions during firefighting:	Containers close to fire should be removed or cooled with water.
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Special protective equipment for firefighters: Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures:

Personal precautions: Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. No smoking, sparks, flames or other sources of ignition near spillage. See Section 13.

6.2. Environmental precautions:

Environmental precautions: Do not discharge into drains or watercourses or onto the ground.

6.4. Reference to other sections: 8; 13

SECTION 7 – HANDLING AND STORAGE

7.1. Precautions for safe handling:

Usage precautions: Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact with skin, eyes and clothing.

Advice on general occupational hygiene: Do not eat, drink or smoke when using this product. Wash 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 flame. Protect from freezing and direct sunlight. Storage temperature: from 0 to 30 °C.

7.3. Specific end use(s): See Sections 1 and 2.

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 Alcohol (IUPAC: PHENYLMETHANOL)	100-51-6	TWA = 5 mg/m ³
Benzyl Acetate (IUPAC: BENZYL ACETATE)	140-11-4	TWA = 5 mg/m ³
Acetophenone (IUPAC: 1-PHENYLETHAN-1-ONE)	98-86-2	TWA = 5 mg/m ³

ADDITIONAL INFORMATION: Information valid at the time of review of safety data sheet.

8.2. Exposure controls:

ENGINEERING MEASURES: Comply with standard precautionary measures for working with chemicals. See Directive 2004/37/EG on the protection of workers from the risks related to exposure to carcinogens or mutagens at work. **HYGIENIC MEASURES:** When using do not eat, drink or smoke.



Hand Protection



Eye Protection



Respiratory Protection



Face/Body Protection

GENERAL PROTECTIVE AND HYGIENIC MEASURES: Avoid contact with the eyes. Wash hands during work breaks and at the end of the shift. Provide skin protection plan.

RESPIRATORY PROTECTION: Avoid excessive inhalation of concentrated vapors. Ensure adequate ventilation. If workers are exposed to high concentrations, they must use appropriate, certified respirators. Wear suitable respiratory protection in case of large scale exposure. Suitable facemask in accordance with EN 140.

BODY PROTECTION: Protective clothing. Safety showers should be available in the immediate vicinity of any potential exposure. Wear appropriate protective clothing, overalls or suit, and similar boots in accordance with EN 365/367.

EYE PROTECTION: Wear appropriate safety glasses with side shields, in accordance with EN 166, when there is danger of possible eye contact. Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.

Hygiene measures: No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products.

HAND PROTECTION: Chemical protective gloves according to DIN EN 374 with CE-labelling. Suitable material: nitrile, 0.13 mm. Indication of permeation breakthrough time – 1 hour. Check the condition of protective gloves after each use for any damages like holes, cuts or tears. Do not wear protective gloves longer than necessary. After use of gloves apply skin-cleaning agents and skin cosmetics. Gloves for mechanical protection do not provide protection against chemicals.

RISK MANAGEMENT MEASURES:	The operators shall be instructed adequately. The workplace shall be inspected regularly by competent personnel e.g. the safety representative.
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SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties:

Appearance:	Homogeneous transparent liquid; opalescence is allowed.
Colour:	From colourless to brown.
Odour:	Fragrance description.
Freezing point:	< 0 °C
Boiling point:	No data available.
Explosion:	Not explosive.
Combustibility:	It doesn't burn.
Lower and upper explosive limits:	Not explosive.
Flash point:	It doesn't burn.
Autoignition temperature:	No spontaneous combustion.
Decomposition temperature:	No data available.
pH:	Not stable.
Kinematic viscosity:	No data available.
Solubility in alcohol:	Soluble.
Solubility in water:	Limited solubility.
Partition coefficient n-octanol/water (log Pow):	No data available.
Vapour pressure:	No data available.
Density, 20 °C:	0.9 – 1.6 g/cm ³
Relative vapour density:	No data available.
Flammability:	Non-flammable.
Particle characteristics:	No.
9.2. Other information:	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:	Under the conditions of use specified in Section 7, the product is stable.
10.3. Possibility of hazardous reactions:	Under normal conditions of use, there is no information on dangerous reactions.
10.4. Conditions to avoid:	Contact with incompatible materials.
10.5. Incompatible materials:	Strong acids, strong bases, strong oxidants.
10.6. Hazardous decomposition products:	No decomposition products if storage and handling conditions are followed. In case of fire, hazardous gases may form.

SECTION 11 – TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects:

INHALATION

Acute toxicity:	Calculated ATEmix (LC50) = 57.49 mg/l. Ingredients of unknown toxicity >10%: 96.76%. Not classified.
Corrosion/irritation:	Does not have any classifiable toxicity.
Sensitisation:	Classified as Sensitisation — Skin, hazard category 1.
Carcinogenicity:	Does not have any classifiable toxicity.
Mutagenicity:	Does not have any classifiable toxicity.

SKIN CONTACT

Acute toxicity:	Calculated ATEmix (LD50) = 4,619.75 mg/kg. Ingredients of unknown toxicity >10%: 62.81%. Not classified.
Corrosion/irritation:	Does not have any classifiable toxicity.
Sensitisation:	Classified as Sensitisation — Skin, hazard category 1.
Carcinogenicity:	Does not have any classifiable toxicity.
Mutagenicity:	Does not have any classifiable toxicity.

EYE CONTACT

Corrosion/irritation: Does not have any classifiable toxicity.

INGESTION

Acute toxicity: Calculated ATEmix (LD50) = 4,388.33 mg/kg. Ingredients of unknown toxicity >10%: 60.05%. Not classified.

Corrosion/irritation: Does not have any classifiable toxicity.

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

Carcinogenicity: Does not have any classifiable toxicity.

Mutagenicity: Does not have any classifiable toxicity.

Reprotoxicity: Does not have any classifiable toxicity.

Toxicological information (ingredient LD50/LC50):

Ingredients Name	CAS No.	LD50 (oral)	LD50 (Dermal)	LC50 (Inhal.)
Ethylene Brassylate	105-95-3	5 000 mg/kg	5 000 mg/kg	No data
Florol	63500-71-0	2 000 mg/kg bw	2 000 mg/kg bw	No data
Hexyl Cinnamic Aldehyde Alpha	101-86-0 / 165184-98-5	3 100 mg/kg	3 000 mg/kg	3.56 mg/l
Linalool	78-70-6	2 790 mg/kg	5 610 mg/kg	3 200 mL/kg bw
Ethyl Linalool	10339-55-6	5 283 mg/kg bw	5 000 mg/kg	No data
Aldehyde C-14	104-67-6	4 300 mg/kg	2 000 mg/kg	No data
Terpineol	98-55-5 / 8000-41-7	2 830 mg/kg	No data	No data
Benzyl Acetate	140-11-4	2 000 mg/kg	No data	No data
Macrolide	106-02-5	2 000 mg/kg	2 000 mg/kg	No data
Helional (Helioven)	1205-17-0	3 362 mg/kg	2 000 mg/kg	No data
Cinnamic Alcohol	104-54-1	2 675 mg/kg	5 000 mg/kg	No data
Benzyl Salicylate	118-58-1	3 339 mg/kg	2 000 mg/kg	No data
Cis-3-Hexenyl Salicylate	65405-77-8	3 339 mg/kg	No data	No data
Amberwood F (Boisambrene Forte)	58567-11-6	5 000 mg/kg bw	5 000 mg/kg bw	No data
D-Limonene	5989-27-5 / 8028-48-6	2 000 mg/kg bw	>5 mg/kg	No data
Cyclamen Aldehyde	103-95-7	2 000 mg/kg	No data	No data
Musk 50 IPM	1222-05-5	No data	>3 250 mg/kg	No data
Trivertal	27939-60-2 / 68039-49-6	4 615 mg/kg	>5 000 mg/kg	No data
Anisyl Acetate	104-21-2	No data	2 000 mg/kg	No data
Citronellol	106-22-9	4 500 mg/kg	2 650 mg/kg	No data
Linalyl Acetate	115-95-7	9 000 mg/kg bw	5 000 mg/kg bw	No data
Hydroxycitronellal	107-75-5	6 400 mg/kg	No data	No data
Ethyl Acetate	141-78-6	4 934 mg/kg	20 000 mg/kg	No data
Benzyl Alcohol	100-51-6	1.5 mL/kg bw	No data	No data
Acetophenone	98-86-2	2 081 mg/kg	3 300 mg/kg	No data
BHT	128-37-0	6 000 mg/kg bw	>2 000 mg/kg bw	No data

11.2. Primary irritant effect: Does not have any classifiable toxicity.

11.2.1. Endocrine disrupting properties: Benzyl Salicylate (IUPAC: BENZYL 2-HYDROXYBENZOATE), Musk 50 IPM (IUPAC: 4,6,6,7,8-HEXAMETHYL-1H,3H,4H,6H,7H,8H-INDENO[5,6-C]PYRAN), BHT (IUPAC: 2,6-DI-TERT-BUTYL-4-METHYLPHENOL).

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

11.4. Chronic effect: Classified as Hazardous to the aquatic environment — Chronic Category 3.

11.5. Target organs: Does not have any classifiable toxicity.

11.6. Carcinogenicity: Does not have any classifiable toxicity.

11.7. Mutagenicity: Does not have any classifiable toxicity.

11.8. Reprotoxicity: Does not have any classifiable toxicity.

SECTION 12 – ECOLOGICAL INFORMATION**12.1. Toxicity:**

Acute: Does not have any classifiable toxicity.

Chronic: Classified as Hazardous to the aquatic environment — Chronic Category 3.

Aquatic toxicity data (ingredient):

Ingredient	Aquatic Toxicity Data
Ethylene Brassylate (CAS 105-95-3)	EC50/72H 14.579 mg/l (Aquatic algae); EC50/96H 788 (Algae/cyanoba); LC50/48H 2.67 mg/l (Invertebrates); LC50/96H 2.13 mg/l (Fish)
Florol (CAS 63500-71-0)	EC50/72H 100 mg/l (Algae); EC50/48H 320 mg/l (Invertebrates)
Hexyl Cinnamic Aldehyde Alpha (CAS 101-86-0)	EC50/72H 65 (Algae); EC50/48H 475 (Invertebrates); LC50/96H 1.7 mg/l (Fish)
Linalool (CAS 78-70-6)	EC50/96H 122.5 mg/l (Algae); EC50/96H 59 mg/l (Invertebrates); LC50/96H 27.8 mg/l (Fish)
Ethyl Linalool (CAS 10339-55-6)	EC50/72H 25.1 mg/l (Algae); EC50/48H 23 mg/l (Invertebrates); LC50/96H 24 mg/l (Fish)
Aldehyde C-14 (CAS 104-67-6)	EC50/48H 5.94 mg/l (Algae); EC50/48H 4.93 mg/l (Invertebrates); LC50/96H 25.55 mg/l (Fish)
Terpineol (CAS 98-55-5)	EC50/72H 11 (Algae); EC50/48H 10 mg/l (Invertebrates); LC50/96H 82 mg/l (Fish)
Undecavertol (CAS 81782-77-6)	EC50/72H 3.6 mg/l (Algae); EC50/96H 3.8 mg/l (Algae)
Benzyl Acetate (CAS 140-11-4)	EC50/72H 101 mg/l (Algae); EC50/48H 17 mg/l (Invertebrates); LC50/96H 4 mg/l (Fish)
Macrolide (CAS 106-02-5)	EC50/72H 470 (Algae); EC50/48H 1780 (Invertebrates); LC50/96H 2 mg/l (Fish)
Helional (CAS 1205-17-0)	EC50/72H 14 mg/l (Algae); EC50/48H 8.3 mg/l (Invertebrates)
Cinnamic Alcohol (CAS 104-54-1)	EC50/72H 129.34 mg/l (Algae); LC50/48H 85.398 mg/l (Invertebrates); LC50/96H 9 mg/l (Fish)
Benzyl Salicylate (CAS 118-58-1)	EC50/72H 1.29 mg/l (Algae); LC50/48H 2.25 mg/l (Invertebrates); LC50/96H 1.03 mg/l (Fish)
Cis-3-Hexenyl Salicylate (CAS 65405-77-8)	EC50/72H 610 (Algae); EC50/48H 2.7 mg/l (Invertebrates); LC50/96H 3.8 mg/l (Fish)
Amberwood F (CAS 58567-11-6)	EC50/72H 2 mg/l (Algae); EC50/48H 1.6 mg/l (Invertebrates); LC50/96H 1.9 mg/l (Fish)
D-Limonene (CAS 5989-27-5)	EC50/72H 320 mg/l (Algae); EC50/48H 408.5 mg/l (Invertebrates); LC50/96H 590 mg/l (Fish)
Cyclamen Aldehyde (CAS 103-95-7)	EC50/72H 2.7 mg/l (Algae); EC50/48H 1.4 mg/l (Invertebrates); LC50/96H 1.092 mg/l (Fish)
Musk 50 IPM (CAS 1222-05-5)	EC50/72H 854 µg/L (Algae); EC50/48H 300 µg/L (Invertebrates); LC50/96H 950 µg/L (Fish)
Trivertal (CAS 27939-60-2)	EC50/72H 22.8 mg/l (Algae); EC50/48H 7.74 mg/l (Invertebrates); LC50/96H 15 mg/l (Fish)
Anisyl Acetate (CAS 104-21-2)	EC50/72H 59.9 mg/l (Algae); EC50/48H 31 mg/l (Invertebrates); LC50/96H 13.1 mg/l (Fish)
Citronellol (CAS 106-22-9)	EC50/72H 2.4 mg/l (Algae); EC50/48H 17.48 mg/l (Invertebrates); LC50/96H 14.66 mg/l (Fish)
Vertenex / PTBCH Acetate (CAS 32210-23-4)	EC50/72H 22 mg/l (Algae); EC50/48H 5.3 mg/l (Invertebrates); LC50/96H 8.6 mg/l (Fish)
Linalyl Acetate (CAS 115-95-7)	EC50/96H 88.3 mg/l (Algae); EC50/48H 59 mg/l (Invertebrates); LC50/96H 11 mg/l (Fish)
Hydroxycitronellal (CAS 107-75-5)	EC50/72H 123.32 mg/l (Algae); EC50/48H 410 mg/l (Invertebrates)
Ethyl Acetate (CAS 141-78-6)	EC50/48H 5.6 g/l (Algae); LC50/96H 230 mg/l (Fish)
Benzyl Alcohol (CAS 100-51-6)	EC50/72H 500 mg/l (Algae); LC50/48H 260.415 mg/l (Invertebrates); LC50/96H 460 mg/l (Fish)
Acetophenone (CAS 98-86-2)	EC50/72H 86.4 mg/l (Algae); EC50/48H 528 mg/l (Invertebrates); LC50/96H 162 mg/l (Fish)
BHT (CAS 128-37-0)	EC50/72H 5 120 µg/L (Algae); EC50/96H 758 µg/L (Algae); LC50/96H 384.5 µg/L (Fish)

12.2. Persistence and degradability: May cause long-term adverse effects in the aquatic environment.

Assessment biodegradation and elimination: No data available.

12.3. Bioaccumulative potential: No further relevant information available. Low potential for bioaccumulation: logPow > 4 (log Pow calculated = 106.965).

12.4. Mobility in soil: No data available.

12.5. Results of PBT and vPvB assessment: This mixture does not contain substances that meet the PBT or vPvB criteria of REACH, Annex XIII.

12.6. Endocrine disrupting properties: Benzyl Salicylate, Musk 50 IPM, BHT — see Section 11.2.1.

12.7. Other adverse effects — Global Warming Potential: Does not contribute to the greenhouse effect.

INGREDIENT	CAS No.	Partition Coefficient
Mineral oil	8042-47-5	0.6748

SECTION 13 – DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods:

Dispose of in accordance with local and national regulations.

Product residues: Do not pour residues into the municipal sewage system.

Additional warning: None.

European waste catalogue: Dispose of according to directives: 2008/98/ES; 94/62/ES; 2014/955/EU; 2008/98/ES.

EWC CODE	Description
07	Wastes from organic chemical processes:

07 07	Wastes from the 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.

CONTAMINATED PACKAGING: Hand over the packaging left after use to the person responsible for the disposal of hazardous waste.

RECOMMENDATION: Avoid release to the environment.

SECTION 14 – TRANSPORT INFORMATION

14.1. UN number:	UN 3082
14.2. UN proper shipping name:	UN 3082 Environmentally hazardous substance, liquid, N.O.S.
14.3. Transport hazard class(es) — ADR, IATA, IMDG:	Class 9
Danger label:	9
14.4. Packing group — ADR, IATA, IMDG:	III
14.5. Environmental hazards:	Marine Pollutant: Yes
14.6. Special precautions for user:	Read MSDS and emergency procedures before handling.
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:	Not established. Packaged liquids are not considered bulk.

SECTION 15 – REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for 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. Directive 2008/98/EC of the European Parliament and of the Council on waste and on the repeal of certain Directives. Directive 94/62/EC of the European Parliament and of the Council on packaging and packaging waste. Commission Decision 2014/955/EU amending Decision 2000/532/EC on the list of wastes pursuant to Directive of the European Parliament and of the Council 2008/98/EC (EU Waste Catalogue).
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Information about limitation of use: Take note of Directive 94/33/EC on the protection of young people at work. Take note of Directive 92/85/EC on the safety and health of pregnant women at work.

15.2. Chemical safety assessment: Not applicable.

Full text of the classifications, including the indication of danger, the hazard symbols and the hazard statements, mentioned in Section 2 or 3: Revisions are mentioned by a black stroke in the left margin.

SECTION 16 – OTHER INFORMATION

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
IATA:	International Air Transport Association
IMDG:	International Maritime Code for Dangerous Goods
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
DNEL:	Derived No-Effect Level
PNEC:	Predicted No-Effect Concentration

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