Fragrance Paris 00015684

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 of the European Parliament and of the Council of 18 December 2006 (REACH), Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008, and Commission Regulation (EU) No 2020/878 of 18 June 2020.

Version: DE 6

Revised: 14.10.2024

Printed: 04-06-25

Field	Details
Product name	Fragrance Paris 00015684
Product number	00015684
UFI Code	XHED-K15P-Q007-U0KR
Product definition	Mixture
Recommended use	Aromatic ingredient for household chemicals and cosmetics. Intended for manufacturing only, not for direct consumption as such.
Uses advised against	Do not use in food.
Supplier	Lemo Fun SRL
Address	Nicolae Licaret 6, Bucharest, Romania
Phone	+40784943113
Email	info@shoplumanari.ro
Website	www.shoplumanari.ro

1.4 Emergency telephone numbers

IN CASE OF INTOXICATION:

LATVIA – State Fire and Rescue Service: (+371) 112; (+371) 113;

National Poison Information Centre: +371 67042468;

GERMANY – International emergency number: +49 180 2273-112.

Transport emergency number (24 h service), Phone: +49 621 60-43333;

UNITED KINGDOM – National Poisons Information Service (24-hour service), Phone: +44 (0) 844-892-0111 (UK only);

FRANCE – INRS FRANCE: Phone: +33 (0)1 45 42 59-59.

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):

Toxic to aquatic life with long lasting effects — H411

May cause an allergic skin reaction — H317

Causes skin irritation — H315

Harmful if inhaled — H332

Causes serious eye irritation — H319

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.

H332 — Harmful if inhaled.

H319 — Causes serious eye irritation.

Precautionary statements:

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

P264 — Wash thoroughly after handling.

P271 — Use only outdoors or in a well-ventilated area.

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

P273 — Avoid release to the environment.

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

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

No additional hazards known.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Mixture of natural, nature-identical and synthetic flavouring substances.

3.2 Mixtures

Mixture of natural and synthetic aromatic ingredients.

Ingredient	%	CAS No. / EC No.	Index No. / REACH No.	Classification (Regulation (EC) No 1272/2008)
Benzyl Benzoate (IUPAC: BENZYL BENZOATE)	<70.3%	CAS: 120-51-4 EC: 204-402-9	Index: — REACH: 01-2119976371-33-xxxx	Aquatic Chronic 2: H411 Acute Tox. 4 ORAL: H302 Aquatic Acute 1: H400
Hexyl Cinnamic Aldehyde Alpha (IUPAC: (2E)-2-(PHENYLMETHYLIDENE)OCTANAL)	<3%	CAS: 101-86-0 / 165184-98-5 EC: 202-983-3	Index: — REACH: 01-2119533092-50-xxxx	Aquatic Chronic 2: H411 Skin Sens. 1: H317 Aquatic Acute 1: H400 M=1; M Chr=1
Iso E Super (IUPAC: 1-(1,2,3,4,5,6,7,8-OCTAHYDRO-2,3,8,8-TETRAMETHYL-2-NAPHTHYL)ETHAN-1-ONE)	<3%	CAS: 54464-57-2 EC: 259-174-3	Index: — REACH: —	Aquatic Chronic 2: H411 Skin Sens. 1: H317 Skin Irrit. 2: H315 Eye Irrit. 2: H319
Bacdanol (Sandranol) (IUPAC: (E)-2-ETHYL-4-(2,2,3-TRIMETHYL-1-CYCLOPENT-3-ENYL)BUT-2-EN-1-OL)	<2.1%	CAS: 28219-61-6 / 106185-75-5 EC: 248-908-8	Index: — REACH: —	Aquatic Chronic 1: H410 Eye Irrit. 2: H319 M Chr=1

Ingredient	%	CAS No. / EC No.	Index No. / REACH No.	Classification (Regulation (EC) No 1272/2008)
Cedarwood Oil TEXAS 100% pure and natural (IUPAC: CEDARWOOD OIL)	<2.1%	CAS: 68990-83-0 EC: 294-461-7	Index: — REACH: 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
Sandela (IUPAC: 3-(2,3,3-TRIMETHYL-6-BICYCLO[2.2.1]HEPTANYL)CYCLOHEXAN-1-OL)	<1.8%	CAS: 3407-42-9 / 66068-84-6 EC: 222-294-1	Index: — REACH: 01-2119979583-21-xxxx	Eye Irrit. 2: H319
Cedrol Cryst (IUPAC: (1S,2R,5S,7R,8R)-2,6,6,8-TETRAMETHYLTRICYCLO[5.3.1.01,5]UNDECAN-8-OL)	<1.2%	CAS: 77-53-2 EC: 201-035-6	Index: — REACH: 01-2120790208-49-xxxx	Aquatic Chronic 2: H411
Methyl Anthranilate (IUPAC: METHYL 2-AMINOBENZOATE)	<1.05%	CAS: 134-20-3 EC: 205-132-4	Index: — REACH: —	Eye Irrit. 2: H319
Longifolene (IUPAC: (1R,2S,7S,9S)-3,3,7-TRIMETHYL-8-METHYLENETRICYCLO[5.4.0.02,9]UNDECANE)	<0.9%	CAS: 475-20-7 EC: 207-491-2	Index: — REACH: 01-2120735663-52-xxxx	Aquatic Chronic 1: H410 Skin Sens. 1B: H317 Aquatic Acute 1: H400 Asp. Tox. 1: H304
Citronellol (IUPAC: 3,7-DIMETHYLOCT-6-EN-1-OL)	<0.9%	CAS: 106-22-9 EC: 203-375-0	Index: — REACH: 01-2119453995-23-xxxx	Skin Sens. 1B: H317 Skin Irrit. 2: H315 Eye Irrit. 2: H319
Linalool (IUPAC: 3,7-DIMETHYLOCTA-1,6-DIEN-3-OL)	<0.9%	CAS: 78-70-6 EC: 201-134-4	Index: 603-235-00-2 REACH: 01-2119474016-42-xxxx	Skin Sens. 1B: H317 Skin Irrit. 2: H315 Eye Irrit. 2: H319
Hydroxycitronellal (IUPAC: 7-HYDROXY-3,7-DIMETHYLOCTANAL)	<0.45%	CAS: 107-75-5 EC: 203-518-7	Index: — REACH: 01-2119973482-31-xxxx	Skin Sens. 1B: H317 Eye Irrit. 2: H319
Nopyl Acetate (IUPAC: 2-(6,6-DIMETHYL-4-BICYCLO[3.1.1]HEPT-3-ENYL)ETHYL ACETATE)	<0.45%	CAS: 128-51-8 EC: 204-891-9	Index: — REACH: —	Aquatic Chronic 2: H411 Skin Sens. 1B: H317 Eye Irrit. 2: H319 M Chr=1
Caryophyllene Beta-95% (IUPAC: (1R,4E,9S)-4,11,11-TRIMETHYL-8-METHYLIDENEBICYCLO[7.2.0]UNDEC-4-ENE)	<0.45%	CAS: 87-44-5 / 13877-93-5 EC: 201-746-1	Index: — REACH: 01-2120745237-53-xxxx	Skin Sens. 1B: H317 Asp. Tox. 1: H304 Aquatic Chronic 3: H412
D-Limonene (IUPAC: (4R)-1-METHYL-4-(PROP-1-EN-2-YL)CYCLOHEX-1-ENE)	<0.45%	CAS: 5989-27-5 / 8028-48-6 EC: 227-813-5	Index: 601-096-00-2 REACH: 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
Cashmeran (IUPAC: 1,1,2,3,3-PENTAMETHYL-2,3,4,5,6,7-HEXAHYDRO-1H-INDEN-4-ONE)	<0.3%	CAS: 33704-61-9 / 155667-06-4 EC: 251-649-3	Index: — REACH: 01-2119977131-40-xxxx	Aquatic Chronic 2: H411 Skin Sens. 1B: H317 Skin Irrit. 2: H315 Eye Irrit. 2: H319
Guaiacwood Acetate (IUPAC: BULNESIA SARMIENTI, EXT., ACETATE)	<0.3%	CAS: 61789-17-1 / 94333-88-7 / 613-70-7 EC: 305-067-2	Index: — REACH: 01-2120746528-45-xxxx	Aquatic Chronic 1: H410 Skin Sens. 1B: H317 Skin Irrit. 2: H315 Aquatic Acute 1: H400 M=1
Veramoss (IUPAC: METHYL 2,4-DIHYDROXY-3,6-DIMETHYLBENZOATE)	<0.3%	CAS: 4707-47-5 EC: 225-193-0	Index: — REACH: 01-2120762759-36-xxxx	Skin Sens. 1B: H317
Linalyl Acetate (IUPAC: 3,7-DIMETHYLOCTA-1,6-DIEN-3-YL ACETATE)	<0.3%	CAS: 115-95-7 EC: 204-116-4	Index: — REACH: 01-2119454789-19-xxxx	Skin Sens. 1B: H317 Skin Irrit. 2: H315 Eye Irrit. 2: H319
BHT (IUPAC: 2,6-DI-TERT-BUTYL-4-METHYLPHENOL)	<0.21%	CAS: 128-37-0 EC: 204-881-4	Index: — REACH: 01-2119555270-46-0000	Aquatic Chronic 1: H410 M Chr=1
Timberol (IUPAC: 1-(2,2,6-TRIMETHYLCYCLOHEXYL)-3-HEXANOL)	<0.21%	CAS: 70788-30-6 EC: 274-892-7	Index: — REACH: —	Skin Sens. 1B: H317 Skin Irrit. 2: H315
Pinene Beta (IUPAC: 6,6-DIMETHYL-2-METHYLENEBICYCLO[3.1.1]HEPTANE)	<0.21%	CAS: 127-91-3 EC: 204-872-5	Index: — REACH: 01-2119519230-54-xxxx	Aquatic Chronic 1: H410 Flam. Liq. 3: H226 Skin Sens. 1B: H317 Skin Irrit. 2: H315 Aquatic Acute 1: H400 Asp. Tox. 1: H304 M=1

Ingredient	%	CAS No. / EC No.	Index No. / REACH No.	Classification (Regulation (EC) No 1272/2008)
Damascenone Beta (IUPAC: (2E)-1-(2,6,6-TRIMETHYLCYCLOHEXA-1,3-DIEN-1-YL) BUT-2-EN-1-ONE)	<0.15%	CAS: 23696-85-7 / 23726-93-4 EC: 245-833-2	Index: — REACH: —	Aquatic Chronic 2: H411 Skin Irrit. 2: H315 Skin Sens. 1A: H317
Ethyl Heptanoate (IUPAC: ETHYL ENANTATE)	<0.15%	CAS: 106-30-9 EC: 203-382-9	Index: — REACH: 01-2120104876-54-xxxx	Aquatic Acute 1: H400 Aquatic Chronic 3: H412 M=1
Pinene Alpha (IUPAC: 2,6,6-TRIMETHYLBICYCLO[3.1.1] HEPT-2-ENE)	<0.15%	CAS: 80-56-8 / 7785-26-4 EC: 201-291-9	Index: — REACH: 01-2119519223-49-0001	Aquatic Chronic 1: H410 Acute Tox. 4 ORAL: H302 Flam. Liq. 3: H226 Skin Sens. 1B: H317 Skin Irrit. 2: H315 Aquatic Acute 1: H400 Asp. Tox. 1: H304 M Chr=1
Trivertal (IUPAC: 1,2-DIMETHYLCYCLOHEX-3-ENE-1-CARBALDEHYDE)	<0.11%	CAS: 27939-60-2 / 68039-49-6 EC: 248-742-6	Index: — REACH: 01-2120766006-57-xxxx	Aquatic Chronic 2: H411 Skin Sens. 1B: H317 Skin Irrit. 2: H315 Eye Irrit. 2: H319
Acetophenone (IUPAC: 1-PHENYLETHAN-1-ONE)	<0.03%	CAS: 98-86-2 EC: 202-708-7	Index: — REACH: 01-2119533169-37-xxxx	Acute Tox. 4 ORAL: H302 Eye Irrit. 2: H319

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:

Immediately remove contaminated clothing and wash skin with water and soap. Seek medical attention if symptoms are severe or persist after washing.

Eye contact:

Remove all contact lenses and open eyelids wide apart. Immediately rinse with plenty of water. Continue rinsing for at least 15 minutes. Seek medical attention if symptoms persist.

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

Persons suffering from asthma, eczema or skin problems should avoid contact, including skin contact, with this product. See Section 11 for additional information on health hazards.

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

No specific recommendations.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media:

Foam, carbon dioxide or dry powder.

Unsuitable extinguishing media:

Water.

5.2 Special hazards arising from the substance or mixture:

Toxic gases or vapours.

5.3 Advice for firefighters:

Containers near the fire should be removed or cooled with water.

Wear self-contained 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, safety goggles/face shield, breathing mask, boots, clothing or apron. No smoking, sparks, flames or other ignition sources near spills.

6.2 Environmental precautions:

Do not discharge into drains, watercourses or onto the ground.

6.3 Methods and material for containment and cleaning up:

Keep flammable materials away from the spill. Eliminate all ignition sources. Ensure adequate ventilation. Contain and absorb spilled material with sand, earth or other non-combustible materials. The contaminated absorbent may pose the same hazard as the spilled material. Collect and place in suitable disposal containers and seal securely. Label the containers with waste and contaminated materials and remove them from the area as quickly as possible. After spilling, wash thoroughly.

6.4 Reference to other sections:

See Sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

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 working shift and before eating, smoking and using the toilet.

7.2 Conditions for safe storage, including any incompatibilities:

Store in a 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):

Aromatic ingredient for household chemicals and cosmetics.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Occupational exposure limits: No occupational exposure limits have been established for this product. Derived No-Effect Levels (DNELs) have not been established for this product. Predicted No-Effect Concentrations (PNECs) have not been determined for this product.

Additional information: Information valid at the time of the Safety Data Sheet review.

Ingredient	CAS No.	TWA, 8 hours
Acetophenone (IUPAC: 1-PHENYLETHAN-1-ONE)	98-86-2	TWA= 5* mg/m³ * Republic of Latvia Cabinet Regulation No. 325 Adopted 15 May 2007 – Labour Protection Requirements when Coming in Contact with Chemical Substances at Workplaces

8.2 Exposure controls

Technical measures:

Observe the usual precautions for working with chemicals. 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 when using the product.

General protection and hygiene measures:

Avoid contact with eyes. Wash hands during work breaks and at the end of the shift. Provide a skin protection plan.

Respiratory protection:

Avoid excessive inhalation of concentrated vapours. Ensure adequate ventilation. If workers are exposed to high concentrations, they must use appropriate certified respiratory protective equipment. Wear suitable respiratory protection for large-scale exposure. Suitable half-face mask in accordance with EN 140.

Body protection:

Protective clothing. Emergency showers should be available in the immediate vicinity of possible exposure. Wear appropriate protective clothing, overalls or suits and similar boots in accordance with EN 365/367.

Eye protection:

Wear appropriate safety goggles with side shields in accordance with EN 166 when the risk of possible eye contact exists. Emergency eye wash fountains should be available in the immediate vicinity of possible exposure.

Hand protection:

Chemical-protective gloves in accordance with DIN EN 374 with CE marking. Suitable material: Nitrile, 0.13 mm. Indicated permeation breakthrough time: 1 hour. Check the condition of protective gloves after each use for damage such as holes, cuts or tears. Do not wear protective gloves longer than necessary. After wearing gloves, apply skin cleansing agents and skin care cosmetics. 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 permitted.
Colour	Colourless to brown
Odour	Fragrance description
Refractive index, 20 °C	0.9 – 1.8
Density, 20 °C	0.9 – 1.6 g/cm³
Flash point	> 61 °C
Melting point/melting range	< 0 °C
Boiling point	No data available
Freezing point	No data available
Decomposition temperature	No data available
Solubility in water	Limited solubility
Solubility in alcohol	Soluble

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 stated 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 are produced under storage and handling conditions. In the event of fire, hazardous gases may form.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

INHALATION:

Acute toxicity: Calculated ATEmix (LC50) = 18.12 mg/l. Components of unknown toxicity >10%: 93.34%. 10 < ATEmix > 20 mg/l. Classified as Acute toxicity, Hazard Category 4.

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: Calculated ATEmix (LD50) = 8 148.98 mg/kg. Components of unknown toxicity >10%: 86.17%. Not classified.

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: Classified as Not Classified.

INGESTION:

Acute toxicity: Calculated ATEmix (LD50) = 2 378.52 mg/kg. Components of unknown toxicity >10%: 9.19%. Not classified.

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: Not expected to be a reproductive hazard. 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

11.2.1 Endocrine disrupting properties: BHT (IUPAC: 2,6-DI-TERT-BUTYL-4-METHYLPHENOL)

11.3 Sensitisation:

May have a sensitising effect.

11.4 Chronic effects:

No chronic effects known.

11.5 Target organs:

No adverse health effects on target organs are expected for the finished product.

11.6 Carcinogenicity:

The finished product is not expected to be carcinogenic.

11.7 Mutagenicity:

The finished product is not expected to be mutagenic.

11.8 Reproductive toxicity:

The finished product is not expected to be a reproductive hazard.

Ingredient name	CAS No.	LD50 (Oral)	LD50 (Dermal)	LC50 (Inhalation)
Benzyl Benzoate (IUPAC: BENZYL BENZOATE)	120-51-4	2 000 mg/kg	non-toxic	non-toxic
Hexyl Cinnamic Aldehyde Alpha (IUPAC: (2E)-2-(PHENYLMETHYLIDENE)OCTANAL)	101-86-0 / 165184-98-5	non-toxic	non-toxic	non-toxic
Cedarwood Oil TEXAS 100% pure and natural (IUPAC: CEDARWOOD OIL)	68990-83-0	non-toxic	non-toxic	non-toxic
Sandela (IUPAC: 3-(2,3,3-TRIMETHYL-6-BICYCLO[2.2.1]HEPTANYL)CYCLOHEXAN-1-OL)	3407-42-9 / 66068-84-6	non-toxic	non-toxic	non-toxic
Cedrol Cryst (IUPAC: (1S,2R,5S,7R,8R)-2,6,6,8-TETRAMETHYLTRICYCLO[5.3.1.01,5]UNDECAN-8-OL)	77-53-2	non-toxic	non-toxic	non-toxic
Methyl Anthranilate (IUPAC: METHYL 2-AMINOBENZOATE)	134-20-3	non-toxic	non-toxic	non-toxic
Longifolene (IUPAC: (1R,2S,7S,9S)-3,3,7-TRIMETHYL-8-METHYLENETRICYCLO[5.4.0.02,9]UNDECANE)	475-20-7	non-toxic	non-toxic	non-toxic
Citronellol (IUPAC: 3,7-DIMETHYLOCT-6-EN-1-OL)	106-22-9	non-toxic	non-toxic	non-toxic
Linalool (IUPAC: 3,7-DIMETHYLOCTA-1,6-DIEN-3-OL)	78-70-6	non-toxic	non-toxic	non-toxic
Hydroxycitronellal (IUPAC: 7-HYDROXY-3,7-DIMETHYLOCTANAL)	107-75-5	non-toxic	non-toxic	non-toxic
Caryophyllene Beta-95% (IUPAC: (1R,4E,9S)-4,11,11-TRIMETHYL-8-METHYLIDENEBICYCLO[7.2.0]UNDEC-4-ENE)	87-44-5 / 13877-93-5	non-toxic	non-toxic	non-toxic
D-Limonene (IUPAC: (4R)-1-METHYL-4-(PROP-1-EN-2-YL)CYCLOHEX-1-ENE)	5989-27-5 / 8028-48-6	non-toxic	non-toxic	non-toxic
Cashmeran (IUPAC: 1,1,2,3,3-PENTAMETHYL-2,3,4,5,6,7-HEXAHYDRO-1H-INDEN-4-ONE)	33704-61-9 / 155667-06-4	non-toxic	non-toxic	non-toxic
Guaiacwood Acetate (IUPAC: BULNESIA SARMIENTI, EXT., ACETATE)	61789-17-1 / 94333-88-7 / 613-70-7	non-toxic	non-toxic	non-toxic
Veramoss (IUPAC: METHYL 2,4-DIHYDROXY-3,6-DIMETHYLBENZOATE)	4707-47-5	non-toxic	non-toxic	non-toxic
Linalyl Acetate (IUPAC: 3,7-DIMETHYLOCTA-1,6-DIEN-3-YL ACETATE)	115-95-7	non-toxic	non-toxic	non-toxic
BHT (IUPAC: 2,6-DI-TERT-BUTYL-4-METHYLPHENOL)	128-37-0	non-toxic	non-toxic	non-toxic
Pinene Beta (IUPAC: 6,6-DIMETHYL-2-METHYLENEBICYCLO[3.1.1]HEPTANE)	127-91-3	non-toxic	non-toxic	non-toxic
Pinene Alpha (IUPAC: 2,6,6-TRIMETHYLBICYCLO[3.1.1]HEPT-2-ENE)	80-56-8 / 7785-26-4	500 mg/kg	non-toxic	non-toxic

Ingredient name	CAS No.	LD50 (Oral)	LD50 (Dermal)	LC50 (Inhalation)
Trivertal (IUPAC: 1,2-DIMETHYLCYCLOHEX-3-ENE-1-CARBALDEHYDE)	27939-60-2 / 68039-49-6	non-toxic	non-toxic	non-toxic
Acetophenone (IUPAC: 1-PHENYLETHAN-1-ONE)	98-86-2	2 081 mg/kg	non-toxic	non-toxic

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

No ecotoxicological research has been carried out on this product.

Ecotoxicity – Toxic to aquatic organisms: (M × 10 × Chronic Category 1) + Chronic Category 2 ≥ 25% = 104.02 ≥ 25 ⇒ Hazardous to the aquatic environment — Chronic Category 2

AQUATIC TOXICITY:

Ingredient / CAS No.	Test	Result	Organism
Benzyl Benzoate (120-51-4)	EC50/72H	311	Aquatic algae and cyanobacteria
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)	LC50/96H	2.32 mg/l	Fish
Benzyl Benzoate (120-51-4)	EC50/24H	4.26 mg/l	Fish
Hexyl Cinnamic Aldehyde Alpha (101-86-0 / 165184-98-5)	EC50/72H	65	Algae
Hexyl Cinnamic Aldehyde Alpha (101-86-0 / 165184-98-5)	EC50/48H	475	Aquatic invertebrates
Hexyl Cinnamic Aldehyde Alpha (101-86-0 / 165184-98-5)	LC50/96H	1.7 mg/l	Fish
Sandela (3407-42-9 / 66068-84-6)	EC50/48H	2.59 mg/l	Aquatic invertebrates
Sandela (3407-42-9 / 66068-84-6)	LC50/96H	17.6 mg/l	Fish
Cedrol Cryst (77-53-2)	EC50/96H	1.596 mg/l	Aquatic algae and cyanobacteria
Cedrol Cryst (77-53-2)	LC50/48H	1.225 mg/l	Aquatic invertebrates
Methyl Anthranilate (134-20-3)	EC50/96H	11.67 mg/l	Aquatic algae and cyanobacteria
Methyl Anthranilate (134-20-3)	LC50/48H	21.9 mg/l	Aquatic invertebrates
Methyl Anthranilate (134-20-3)	LC50/96H	9.12	Fish
Longifolene (475-20-7)	EC50/72H	280 µg/L	Algae
Longifolene (475-20-7)	EC50/48H	119 µg/L	Aquatic invertebrates
Citronellol (106-22-9)	EC50/72H	2.4 mg/l	Aquatic algae and cyanobacteria
Citronellol (106-22-9)	EC50/72H	2.4 mg/l	Algae
Citronellol (106-22-9)	EC50/48H	17.48 mg/l	Aquatic invertebrates
Citronellol (106-22-9)	EC50/48H	17.48 mg/l	Aquatic invertebrates
Citronellol (106-22-9)	LC50/96H	14.66 mg/l	Fish
Citronellol (106-22-9)	LC50/96H	14.66 mg/l	Fish
Linalool (78-70-6)	EC50/96H	122.5 mg/l	Algae
Linalool (78-70-6)	EC50/96H	59 mg/l	Aquatic invertebrates
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
Hydroxycitronellal (107-75-5)	EC50/72H	123.32 mg/l	Algae
Hydroxycitronellal (107-75-5)	EC50/48H	410 mg/l	Aquatic invertebrates
Caryophyllene Beta-95% (87-44-5 / 13877-93-5)	EC50/72H	33	Algae
Caryophyllene Beta-95% (87-44-5 / 13877-93-5)	EC50/48H	170	Aquatic invertebrates
D-Limonene (5989-27-5 / 8028-48-6)	EC50/72H	320 mg/l	Aquatic algae and cyanobacteria
D-Limonene (5989-27-5 / 8028-48-6)	EC50/48H	250 mg/l	Aquatic algae and cyanobacteria

Ingredient / CAS No.	Test	Result	Organism
D-Limonene (5989-27-5 / 8028-48-6)	EC50/48H	250	Algae
D-Limonene (5989-27-5 / 8028-48-6)	EC50/48H	408.5 mg/l	Aquatic invertebrates
D-Limonene (5989-27-5 / 8028-48-6)	EC50/48H	510 mg/l	Aquatic invertebrates
D-Limonene (5989-27-5 / 8028-48-6)	EC50/24H	840 mg/l	Aquatic invertebrates
D-Limonene (5989-27-5 / 8028-48-6)	EC50/21days	188 mg/l	Aquatic invertebrates
D-Limonene (5989-27-5 / 8028-48-6)	LC50/96H	590 mg/l	Fish
D-Limonene (5989-27-5 / 8028-48-6)	EC50/96H	695	Fish
D-Limonene (5989-27-5 / 8028-48-6)	LC50/96H	720 mg/l	Fish
D-Limonene (5989-27-5 / 8028-48-6)	EC50/96H	702 mg/l	Fish
Cashmeran (33704-61-9 / 155667-06-4)	EC50/72H	10 mg/l	Aquatic algae and cyanobacteria
Cashmeran (33704-61-9 / 155667-06-4)	EC50/48H	1.5 mg/l	Aquatic invertebrates
Cashmeran (33704-61-9 / 155667-06-4)	EC50/24H	3.8 mg/l	Aquatic invertebrates
Cashmeran (33704-61-9 / 155667-06-4)	LC50/96H	1.7 mg/l	Fish
Cashmeran (33704-61-9 / 155667-06-4)	LC50/24H	2 mg/l	Fish
Guaiacwood Acetate (61789-17-1 / 94333-88-7 / 613-70-7)	EC50/72H	310	Aquatic algae and cyanobacteria
Guaiacwood Acetate (61789-17-1 / 94333-88-7 / 613-70-7)	EC50/48H	330	Aquatic invertebrates
Veramoss (4707-47-5)	EC50/96H	3.3 mg/l	Aquatic algae and cyanobacteria
Veramoss (4707-47-5)	EC50/48H	9.3 mg/l	Aquatic invertebrates
Veramoss (4707-47-5)	LC50/96H	5.2 mg/l	Fish
Linalyl Acetate (115-95-7)	EC50/96H	88.3 mg/l	Aquatic algae and cyanobacteria
Linalyl 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)	EC50/24H	71 mg/l	Aquatic invertebrates
Linalyl Acetate (115-95-7)	LC50/96H	11 mg/l	Fish
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
BHT (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
Pinene Beta (127-91-3)	LC50/72H	700	Algae
Pinene Beta (127-91-3)	EC50/72H	700	Algae
Pinene Beta (127-91-3)	LC50/48H	826	Algae
Pinene Beta (127-91-3)	LC50/48H	1.09 mg/l	Aquatic invertebrates
Pinene Beta (127-91-3)	EC50/48H	1.25 mg/l	Aquatic invertebrates
Pinene Beta (127-91-3)	LC50/96H	591	Fish
Pinene Beta (127-91-3)	EC50/96H	502	Fish
Pinene Beta (127-91-3)	LC50/96H	0.502 mg/l	Fish (Pimephales promelas)
Ethyl Heptanoate (106-30-9)	EC50/72H	202	Aquatic algae and cyanobacteria
Ethyl Heptanoate (106-30-9)	LC50/96H	1.01 mg/l	Fish
Pinene Alpha (80-56-8 / 7785-26-4)	EC50/48H	475	Aquatic invertebrates
Pinene Alpha (80-56-8 / 7785-26-4)	LC50/24H	1.83 mg/l	Daphnia magna
Pinene Alpha (80-56-8 / 7785-26-4)	LC50/96H	303	Fish

Ingredient / CAS No.	Test	Result	Organism
Trivertal (27939-60-2 / 68039-49-6)	EC50/72H	22.8 mg/l	Algae
Trivertal (27939-60-2 / 68039-49-6)	EC50/48H	7.74 mg/l	Aquatic invertebrates
Trivertal (27939-60-2 / 68039-49-6)	LC50/96H	15 mg/l	Fish
Acetophenone (98-86-2)	EC50/72H	86.4 mg/l	Aquatic algae and cyanobacteria
Acetophenone (98-86-2)	EC50/48H	528 mg/l	Aquatic invertebrates
Acetophenone (98-86-2)	LC50/96H	162 mg/l	Fish
Acetophenone (98-86-2)	EC50/96H	162 mg/l	Fish

Chemical name	CAS No.	Partition coefficient
—	—	Low potential for bioaccumulation: (log Pow calculated = 0)

12.2 – 12.7 Further ecological information

12.2 Persistence and degradability:

May have long-term harmful effects on the aquatic environment.

Assessment of biodegradability and elimination: No data available.

12.3 Bioaccumulative potential:

No further relevant information available. Low potential for bioaccumulation: (log Pow calculated = 0).

12.4 Mobility in soil:

The product is partially water-soluble. Adsorbs to soil and has low mobility.

General note: Wastewater containing this product must not be discharged into watercourses without prior treatment.

12.5 Results of PBT and vPvB assessment:

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

12.6 Endocrine disrupting properties:

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 in accordance with local and national regulations.

Product residues:

Do not dispose of empty containers with household waste. Containers can be recycled. Treat product residues, impregnated cloths and non-empty packaging as special waste.

Additional warning: None.

European waste catalogue:

Hazardous waste pursuant to Directive 91/689/EEC; dispose of in an authorised chemical waste depot in accordance with waste code from Commission Decision 2000/532/EC.

Local legislation:

Disposal should be carried out in accordance with applicable regional, national and local laws and regulations. Local regulations may be stricter than regional or national requirements and must be observed.

Recommendation: Avoid release to the environment.

EWC Code	Description
07	Wastes from organic chemical processes
07 07	Wastes from the MFSU of fine chemicals and chemical products, not otherwise specified

EWC Code	Description
07 07 99	Wastes not otherwise specified

Contaminated packaging	
Do not dispose of empty containers with household waste. Containers can be recycled. Treat product residues, impregnated cloths and non-empty packaging as special waste.	

SECTION 14: TRANSPORT INFORMATION

Parameter	Details
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
14.3 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 Maritime transport in bulk according to IMO instruments	Not applicable. Packaged liquids are not considered bulk liquids.

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.

Commission Regulation (EU) No 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on REACH.

Information on use restrictions:

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

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

15.2 Chemical safety assessment:

Not applicable.

SECTION 16: OTHER INFORMATION

Full text of classifications referred to in Sections 2 and 3, including hazard class, hazard symbols and hazard statements:

H226 — Flammable liquid and vapour.

H302 — Harmful if swallowed.

H304 — May be fatal if swallowed and enters airways.

H315 — Causes skin irritation.

H317 — May cause an allergic skin reaction.

H319 — Causes serious eye irritation.

H332 — Harmful if inhaled.

H400 — Very toxic to aquatic life.

H410 — Very toxic to aquatic life with long lasting effects.

H411 — Toxic to aquatic life with long lasting effects.

H412 — Harmful to aquatic life with long lasting effects.

Precautionary statements:

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

P264 — Wash thoroughly after handling.

P271 — Use only outdoors or in a well-ventilated area.

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

P273 — Avoid release to the environment.

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

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

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

P501 — Dispose of contents/container according to local, regional, national, territorial, provincial, and international regulation.

Abbreviations and acronyms:

PBT: Persistent, Bioaccumulative, Toxic

vPvB: Very Persistent, Very Bioaccumulative

EC: European inventory of 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: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

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 Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk

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

The information contained in this Safety Data Sheet is taken from current and reliable sources. However, this data is provided without any express or implied warranty as to its accuracy or correctness. As the conditions for use, handling, storage and disposal of this product are beyond our control, it is the responsibility of the user to determine safe conditions of use and to assume liability for losses, damage and costs arising from improper use. No express or implied warranty regarding the product described herein is created or implied by statements or omissions in this Safety Data Sheet.