

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 Wild Camomille 00009034

Version No. EN 6

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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 Wild Camomille 00009034
Product number:	00009034
UFI:	KK0T-S05S-W005-X785

1.2. Relevant identified uses 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

Company:	Lemo Fun SRL
Address:	Nicolae Licaret 6, Bucharest, Romania
Phone:	+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): +49 621 60-43333. UNITED KINGDOM — National Poisons Information Service (24 h): +44 (0) 844-892-0111 (UK only). FRANCE — INRS FRANCE: +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. FOR OTHER EU COUNTRIES, please consult: http://echa.europa.eu/help/national-help_contact_en.asp
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SECTION 2 — HAZARDS IDENTIFICATION

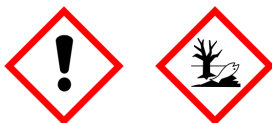
2.1. Classification of the substance or mixture

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

Product definition:	Mixture
H412:	Aquatic Chronic 3
H317:	Skin Sens. 1
H315:	Skin Irrit. 2

H319: Eye Irrit. 2

Please refer to Section 16 for full classification details.

2.2. Label elements**Labelling according to Regulation (EC) No 1272/2008 (CLP)****Hazard pictograms:****Signal word:** Warning**Hazard statements:**

- H412** Harmful 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 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.**SECTION 3 — COMPOSITION / INFORMATION ON INGREDIENTS****3.1 Substances:** Mixture of natural, nature identical and synthetic aromatic products.**3.2 Mixtures:** Mixture of natural and synthetic aromatic ingredients.**3.2 Hazardous components**

INGREDIENTS	%	CAS No. / EC No. Index No. / REACH No.	Classification REGULATION (EC) No 1272/2008
Propylene Glycol (IUPAC: PROPANE-1,2-DIOL)	<20%	CAS No. 57-55-6 EC No. 200-338-0 Index No. — REACH No. 01-2119456809-23-xxxx	—
Dihydromyrcenol (Myrcetol) (IUPAC: 2,6-DIMETHYLOCT-7-EN-2-OL)	<6%	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
Phenyl Ethyl Alcohol (IUPAC: 2-PHENYLETHAN-1-OL)	<3.6%	CAS No. 60-12-8 EC No. 200-456-2 Index No. — REACH No. 01-2119977069-23-xxxx	Acute Tox. 4 (Oral): H302 Eye Irrit. 2: H319
Benzyl Acetate (IUPAC: BENZYL ACETATE)	<3.4%	CAS No. 140-11-4 EC No. 205-399-7 Index No. — REACH No. 01-2119638272-42-xxxx	Aquatic Chronic 3: H412
Hexyl Cinnamic Aldehyde Alpha (IUPAC: (2E)-2-(PHENYLMETHYLIDENE)OCTANAL)	<2.6%	CAS No. 101-86-0 / 165184-98-5 EC No. 202-983-3 Index No. — REACH No. 01-2119533092-50-xxxx	Aquatic Chronic 2: H411 Skin Sens. 1: H317 Aquatic Acute 1: H400 M=1; M Chr=1
Vertenex (PTBCH Acetate) (IUPAC: 4-TERT-BUTYLCYCLOHEXYL ACETATE)	<1.6%	CAS No. 32210-23-4 EC No. 250-954-9 Index No. — REACH No. 01-2119976286-24-xxxx	Skin Sens. 1B: H317
Isoamyl Salicylate (IUPAC: 3-METHYLBUTYL 2-HYDROXYBENZOATE)	<1.6%	CAS No. 87-20-7 EC No. 201-730-4 Index No. — REACH No. 01-2120113917-55-xxxx	Aquatic Chronic 2: H411 Acute Tox. 4 (Oral): H302

INGREDIENTS	%	CAS No. / EC No. Index No. / REACH No.	Classification REGULATION (EC) No 1272/2008
Macrolide (IUPAC: 1-OXACYCLOHEXADECAN-2-ONE)	<1.2%	CAS No. 106-02-5 EC No. 203-354-6 Index No. — REACH No. 01-2119987323-31-xxxx	Aquatic Chronic 2: H411 Skin Sens. 1B: H317
Clary Propionate	<1.2%	CAS No. 319002-92-1 EC No. 437-530-0 Index No. — REACH No. —	Aquatic Chronic 3: H412
Terpineol (IUPAC: 1-HYDROPEROXY-2,7,7-TRI METHYL-BICYCLO[3.1.1]HEPTANE)	<1.2%	CAS No. 98-55-5 / 8000-41-7 EC No. 232-268-1 Index No. — REACH No. 01-2119978235-29-xxxx	Skin Irrit. 2: H315 Eye Irrit. 2: H319
Trivertal (IUPAC: 1,2-DIMETHYLCYCLOHEX-3-ENE-1-CARBALDEHYDE)	<0.6%	CAS No. 27939-60-2 / 68039-49-6 EC No. 248-742-6 Index No. — REACH No. 01-2120766006-57-xxxx	Aquatic Chronic 2: H411 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)	<0.6%	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
Eugenol (IUPAC: 2-METHOXY-4-(PROP-2-EN-1-YL)PHENOL)	<0.6%	CAS No. 97-53-0 EC No. 202-589-1 Index No. — REACH No. 01-2119971802-33-xxxx	Skin Sens. 1B: H317 Skin Irrit. 2: H315 Eye Irrit. 2: H319 Asp. Tox. 1: H304
Eucalyptus Globulus 80% (IUPAC: ESSENTIAL OIL EUCALYPTUS GLOBULUS LEAF OIL)	<0.6%	CAS No. 8000-48-4 EC No. 283-406-2 Index No. — REACH No. 01-2119978250-37-xxxx	Aquatic Chronic 2: H411 Skin Sens. 1: H317 Flam. Liq. 3: H226 Skin Irrit. 2: H315 Asp. Tox. 1: H304
Musk 50 IPM (IUPAC: 4,6,6,7,8,8-HEXAMETHYL-1H,3H,4H,6H,7H,8H-INDENO[5,6-C]PYRAN)	<0.4%	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
L-Carvone (IUPAC: (5R)-2-METHYL-5-(PROP-1-EN-2-YL)CYCLOHEX-2-EN-1-ONE)	<0.32%	CAS No. 6485-40-1 EC No. 229-352-5 Index No. — REACH No. 01-2119962458-25-xxxx	Skin Sens. 1: H317 Skin Sens. 1B: H317
Estragol (IUPAC: 1-METHOXY-4-(PROP-2-EN-1-YL)BENZENE)	<0.28%	CAS No. 140-67-0 EC No. 205-427-8 Index No. — REACH No. 01-2120783278-41-xxxx	Skin Sens. 1: H317 Acute Tox. 4 (Oral): H302 Skin Irrit. 2: H315 Eye Irrit. 2: H319 Aquatic Chronic 3: H412 Muta. 2: H341 Carc. 2: H351
Allyl Phenoxyacetate (IUPAC: PROP-2-EN-1-YL 2-PHENOXYACETATE)	<0.2%	CAS No. 7493-74-5 EC No. 231-335-2 Index No. — REACH No. 01-2120762043-63-xxxx	Acute Tox. 4 (Oral): H302 Skin Sens. 1B: H317 Aquatic Acute 1: H400 M=1
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
Allyl Heptanoate (IUPAC: PROP-2-EN-1-YL HEPTANOATE)	<0.2%	CAS No. 142-19-8 EC No. 205-527-1 Index No. — REACH No. 01-2119488961-23-xxxx	Aquatic Chronic 2: H411 Acute Tox. 3 (Skin): H311 Aquatic Acute 1: H400 Acute Tox. 3 (Oral): H301 M=10
Allyl Cyclo Hexyl Propionate (IUPAC: PROP-2-EN-1-YL 3-CYCLOHEXYLPROPANOATE)	<0.12%	CAS No. 2705-87-5 EC No. 220-292-5 Index No. — REACH No. 01-2119976355-27-xxxx	Aquatic Chronic 1: H410 Acute Tox. 4 (Oral): H302 Skin Sens. 1B: H317 Aquatic Acute 1: H400 Acute Tox. 4 (Inhalation): H332 Acute Tox. 4 (Skin): H312 M=1; 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 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:	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.
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.
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6.2. Environmental precautions

Environmental precautions:	Do not discharge into drains or watercourses or onto the ground.
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6.4. Reference to other sections:	8; 13
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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: 0 to 30 °C.
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7.3. Specific end use(s):	See Sections 1 and 2.
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SECTION 8 — EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

INGREDIENT	CAS No.	TWA, 8 hours
Propylene Glycol (IUPAC: PROPANE-1,2-DIOL)	57-55-6	TWA = 7* mg/m ³
Benzyl Acetate (IUPAC: BENZYL ACETATE)	140-11-4	TWA = 5* mg/m ³

* 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/EC 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.

Personal protective equipment (PPE):



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 vapours. 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. Permeation breakthrough time: 1 hour. Check condition of gloves after each use. Do not wear longer than necessary. After use apply skin-cleaning agents and skin cosmetics. Gloves for mechanical protection do not provide protection against chemicals.
Risk management measures:	Operators shall be instructed adequately. The workplace shall be inspected regularly by competent personnel e.g. the safety representative.

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 does not burn.
Lower and upper explosive limits:	Not explosive.
Flash point:	It does not burn (non-flammable).
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 Kow):	No data available.
Vapour pressure:	No data available.
Density at 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

Other information:	No data available.
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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) = 36.83 mg/l. Ingredients of unknown toxicity >10%: 90.36%. Not classified.
Corrosion/irritation:	Classified as Skin Irritation, Hazard Category 2.
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) = 17 431.16 mg/kg. Ingredients of unknown toxicity >10%: 54.92%. Not classified.
Corrosion/irritation:	Classified as Skin Irritation, Hazard Category 2.
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:	Classified as Skin Irritation, Hazard Category 2.
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INGESTION

Acute toxicity:	Calculated ATEmix (LD50) = 6 547.73 mg/kg. Ingredients of unknown toxicity >10%: 46.13%. Not classified.
Corrosion/irritation:	Classified as Skin Irritation, Hazard Category 2.
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 by ingredient

Ingredient Name:	CAS No.	LD50 (oral)	LD50 (dermal)	LC50 (inhalation)
Propylene Glycol (IUPAC: PROPANE-1,2-DIOL)	57-55-6	50 000 mg/kg	208 000 mg/kg	No data
Dihydromyrcenol (Myrcetol) (IUPAC: 2,6-DIMETHYLOCT-7-EN-2-OL)	18479-58-8	3 600 mg/kg	5 000 mg/kg	No data

Ingredient Name:	CAS No.	LD50 (oral)	LD50 (dermal)	LC50 (inhalation)
Phenyl Ethyl Alcohol (IUPAC: 2-PHENYLETHAN-1-OL)	60-12-8	1 790 mg/kg	8 000 mg/kg	4.63 mg/l
Benzyl Acetate (IUPAC: BENZYL ACETATE)	140-11-4	2 000 mg/kg	No data	No data
Hexyl Cinnamic Aldehyde Alpha (IUPAC: (2E)-2-(PHENYLMETHYLIDENE)OCTANAL)	101-86-0 / 165184-98-5	3 100 mg/kg	3 000 mg/kg	3.56 mg/l
Isoamyl Salicylate (IUPAC: 3-METHYLBUTYL 2-HYDROXYBENZOATE)	87-20-7	1 310 mg/kg	No data	No data
Macrolide (IUPAC: 1-OXACYCLOHEXADECAN-2-ONE)	106-02-5	2 000 mg/kg	2 000 mg/kg	No data
Terpineol (IUPAC: 1-HYDROPEROXY-2,7,7-TRIMETHYL-BICYCLO[3.1.1]HEPTANE)	98-55-5 / 8000-41-7	2 830 mg/kg	No data	No data
Trivertal (IUPAC: 1,2-DIMETHYLCYCLOHEX-3-ENE-1-CARBALDEHYDE)	27939-60-2 / 68039-49-6	4 615 mg/kg	>5 000 mg/kg	No data
Geraniol Fine 98% (IUPAC: (2E)-3,7-DIMETHYLOCTA-2,6-DIEN-1-OL)	106-24-1	3 600 mg/kg	>5 g/kg	No data
Eugenol (IUPAC: 2-METHOXY-4-(PROP-2-EN-1-YL)PHENOL)	97-53-0	2 000 mg/kg	No data	No data
Eucalyptus Globulus 80% (ESSENTIAL OIL EUCALYPTUS GLOBULUS LEAF OIL)	8000-48-4	No data	5 000 mg/kg	No data
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	No data	>3 250 mg/kg	No data
L-Carvone (IUPAC: (5R)-2-METHYL-5-(PROP-1-EN-2-YL)CYCLOHEX-2-EN-1-ONE)	6485-40-1	1 640 mg/kg	No data	6.45 mg/l
Estragol (IUPAC: 1-METHOXY-4-(PROP-2-EN-1-YL)BENZENE)	140-67-0	2 000 mg/kg	No data	No data
Allyl Phenoxyacetate (IUPAC: PROP-2-EN-1-YL 2-PHENOXYACETATE)	7493-74-5	835 mg/kg	2 000 mg/kg	No data
Allyl Amyl Glycolate (IUPAC: PROP-2-EN-1-YL 2-(3-METHYLBUTOXY)ACETATE)	67634-00-8	500 mg/kg	2 000 mg/kg	No data
Allyl Heptanoate (IUPAC: PROP-2-EN-1-YL HEPTANOATE)	142-19-8	218 mg/kg	810 mg/kg	No data
Allyl Cyclo Hexyl Propionate (IUPAC: PROP-2-EN-1-YL 3-CYCLOHEXYLPROPANOATE)	2705-87-5	585 mg/kg	No data	No data

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[5,6-C]PYRAN).
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 by ingredient

Ingredient / CAS No.	Test / Organism	Result
Propylene Glycol (57-55-6)	LC50/48H Aquatic invertebrates	18.34 g/l
	LC50/96H Aquatic invertebrates	18.8 g/l
	EC50/72H Algae	21.75 g/l
	EC50/48H Algae	26.55 g/l
Dihydromyrcenol (18479-58-8)	EC50/48H Aquatic invertebrates	9.1 mg/l
	EC50/72H Algae	6 485

Ingredient / CAS No.	Test / Organism	Result
Phenyl Ethyl Alcohol (60-12-8)	LC50/96H Fish	339.5 mg/l
	EC50/48H Aquatic invertebrates	287.17 mg/l
	EC50/72H Algae	895 mg/l
Benzyl Acetate (140-11-4)	LC50/96H Fish	4 mg/l
	EC50/48H Aquatic invertebrates	17 mg/l
	EC50/72H Algae	101 mg/l
Hexyl Cinnamic Aldehyde Alpha (101-86-0)	LC50/96H Fish	1.7 mg/l
	EC50/48H Aquatic invertebrates	475
	EC50/72H Algae	65
Vertenex PTBCH Acetate (32210-23-4)	LC50/96H Fish	8.6 mg/l
	EC50/48H Aquatic invertebrates	5.3 mg/l
	EC50/72H Algae	22 mg/l
Isoamyl Salicylate (87-20-7)	EC50/48H Aquatic invertebrates	1.97 mg/l
	EC50/72H Aquatic algae and cyanoba	1 120
Macrolide (106-02-5)	LC50/96H Fish	2 mg/l
	LC50/72H Fish	2 mg/l
	LC50/48H Fish	2 mg/l
	EC50/48H Aquatic invertebrates	1 780
	EC50/72H Aquatic algae and cyanoba	470
Terpineol (98-55-5)	LC50/96H Fish	82 mg/l
	EC50/48H Aquatic invertebrates	10 mg/l
	EC50/72H Algae	11
Trivertal (27939-60-2)	LC50/96H Fish	15 mg/l
	EC50/48H Aquatic invertebrates	7.74 mg/l
	EC50/72H Algae	22.8 mg/l
Geraniol Fine 98% (106-24-1)	EC50/48H Daphnia magna	10.8 mg/l
	LC50/96H Zebra fish	22 mg/l
	EC50/72H Desmodemus subspicatus	13.1 mg/l
Eugenol (97-53-0)	LC50/96H Fish	13 mg/l
	EC50/48H Aquatic invertebrates	1.05 mg/l
	EC50/72H Algae	23 mg/l
Eucalyptus Globulus 80% (8000-48-4)	LC50/96H Fish	57 000 µg/L
	EC50/48H Aquatic invertebrates	100 000 µg/L
	EC50/48H Aquatic algae and cyanoba	494 µg/L
Musk 50 IPM (1222-05-5)	LC50/96H Fish	950 µg/L
	EC50/48H Aquatic invertebrates	300 µg/L
	EC50/72H Aquatic algae and cyanoba	854 µg/L
L-Carvone (6485-40-1)	LC50/96H Fish	1.1 mg/l
	EC50/48H Aquatic invertebrates	17 mg/l
	EC50/72H Aquatic algae and cyanoba	19 mg/l
Estragol (140-67-0)	EC50/48H Aquatic invertebrates	17.583 mg/l
	EC50/24H Aquatic invertebrates	14.3 mg/l
	EC50/72H Aquatic algae and cyanoba	10.35 mg/l
Allyl Phenoxyacetate (7493-74-5)	LC50/96H Fish	133
	EC50/48H Aquatic invertebrates	2.07 mg/l
	EC50/72H Aquatic algae and cyanoba	24.9 mg/l
Allyl Amyl Glycolate (67634-00-8)	LC50/96H Fish	768 µg/L
	LC50/48H Aquatic invertebrates	5.09 mg/l
	EC50/96H Aquatic algae and cyanoba	2.06 mg/l
Allyl Heptanoate (142-19-8)	LC50/96H Fish	117
	EC50/48H Aquatic invertebrates	890
	EC50/72H Algae	778
Allyl Cyclo Hexyl Propionate (2705-87-5)	LC50/96H Fish	130
	EC50/48H Aquatic invertebrates	3.8 mg/l

Ingredient / CAS No.	Test / Organism	Result
	EC50/72H Algae	2.55 mg/l
	EC50/96H Algae	3.45 mg/l

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 = 36.553).

INGREDIENT	CAS No.	Partition Coefficient
Propylene Glycol (IUPAC: PROPANE-1,2-DIOL)	57-55-6	0.4820

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:	Musk 50 IPM (IUPAC: 4,6,6,7,8,8-HEXAMETHYL-1H,3H,4H,6H,7H,8H-INDENO[5,6-C]PYRAN).
12.7. Other adverse effects:	Global Warming Potential: Does not 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 pour residues into the municipal sewage system.
Additional warning:	None.
European waste catalogue:	Dispose of according to directives: 2008/98/EC; 94/62/EC; 2014/955/EU; 2008/98/EC.

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. 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 on waste. Directive 94/62/EC on packaging and packaging waste. Commission Decision 2014/955/EU amending Decision 2000/532/EC (EU Waste Catalogue).
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.

SECTION 16 — OTHER INFORMATION

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.

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)
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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