

Allergen list acc. to EU 2023/1545:

14732-401-4

Lilac

CAS #	Ingredient Name	Total % in fragrance (calculated)
90-02-8	SALICYLALDEHYDE	---
100-51-6	BENZYL ALCOHOL	0.015
100-52-7	BENZALDEHYDE	0.014
101-85-9	AMYL CINNAMYL ALCOHOL	---
101-86-0	HEXYL CINNAMAL	---
103-41-3	BENZYL CINNAMATE	---
103694-68-4	TRIMETHYLBENZENEPROPANOL	---
4-46-1/ 4180-23-8	ANETHOLE	---
104-54-1	CINNAMYL ALCOHOL	---
104-55-2	CINNAMAL	---
105-13-5	ANISE ALCOHOL	0.001
105-87-3	GERANYL ACETATE	---
106-22-9/ 26489-01-0/1117-61-9/ 7540-51-4	CITRONELLOL	---
106-24-1	GERANIOL	---
107-75-5	HYDROXYCITRONELLAL	---
109-29-5	HEXADECANOLACTONE	---
11031-45-1/ 115-71-9/77-42-9	SANTALOL	---
111-12-6	METHYL 2-OCTYNOATE	---
115-95-7	LINALYL ACETATE	---
118-58-1	BENZYL SALICYLATE	---
119-36-8	METHYL SALICYLATE	---
120-51-4	BENZYL BENZOATE	---
121-33-5	VANILLIN	---
1222-05-5	HEXAMETHYLINDANOPYRAN (GALAXOLIDE)	---
122-40-7	AMYL CINNAMAL	---
127-51-5	ALPHA-ISOMETHYL IONONE	---
138-86-3/ 7705-14-8/5989-27-5/ 5989-54-8	LIMONENE	---
151-05-3	DIMETHYL PHENETHYL ACETATE	---
17369-59-4	3-PROPYLIDENEPHTHALIDE	---
2050-08-0	AMYL SALICYLATE	2.01
32388-55-9	ACETYL CEDRENE	---
43052-87-5/ 23726-94-5/ 24720-09-0/23696-85-7/ 57378-68-4/71048-82-3/23726-92-3/ 23726-91-2	ROSE KETONES	---
4602-84-0	FARNESOL	---
515-03-7	SCLAREOL	---
5392-40-5/ 141-27-5/106-26-3	CITRAL	---
54464-57-2/ 54464-59-4/ 68155-66-8/ 68155-67-9	TETRAMETHYLACETYLOCTAHYDRO NAPHTHALENES (OTNE)	---
586-62-9	TERPINOLENE	---
67801-20-1	TRIMETHYLCYCLOPENTENYL METHYLISOPENTENOL	---
68916-04-1/ 72968-50-4/ 97766-30-8/ 8028-48-6/ 8008-57-9	CITRUS AURANTIUM PEEL OIL	---
72968-50-4/ 8028-48-6/8016-38-4	CITRUS AURANTIUM FLOWER OIL	---
76-22-2/ 21368-68-3/464-49-3/ 464-48-2	CAMPHOR	---
78-70-6	LINALOOL	2.999
8000-27-9/ 85085-41-2	JUNIPERUS VIRGINIANA OIL	---

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8000-34-8/ 8015-97-2/84961-50-2	EUGENIA CARYOPHYLLUS OIL	---
8000-41-7/ 98-55-5/138-87-4/ 586-81-2	TERPINEOL	---
8002-41-3/ 8007-48-5/84603-73-6	LAURUS NOBILIS LEAF OIL	---
8006-87-9/ 84787-70-2	SANTALUM ALBUM OIL	---
8006-90-4/ 84082-70-2	MENTHA PIPERITA OIL	---
8007-00-9	MYROXYLON PEREIRAE OIL/ EXTRACT (PERU BALSAM)	---
8007-01-0/ 90106-38-0/93334-48-6/ 84696-47-9/ 84604-12-6/ 84604-13-7/ 92347-25-6	ROSE FLOWER OIL/EXTRACT	---
8007-02-1/ 89998-16-3/91844-92-7	LEMONGRASS OIL	---
8007-75-8/ 89957-91-5/68648-33-9/ 85049-52-1	CITRUS AURANTIUM BERGAMIA PEEL OIL	---
8007-80-5/ 84961-46-6	CINNAMOMUM CASSIA LEAF OIL	---
8008-79-5/ 84696-51-5	MENTHA VIRIDIS LEAF OIL	---
8014-09-3/ 84238-39-1	POGOSTEMON CABLIN OIL	---
8015-91-6/ 84649-98-9	CINNAMOMUM ZEYLANICUM BARK OIL	---
8024-12-2/ 85116-63-8	LIPPIA CITRIODORA ABSOLUTE (VERBENA ABSOLUTE)	---
80-56-8/ 7785-70-8/127-91-3/ 18172-67-3	PINENE	---
83863-30-3/ 8006-81-3/68606-83-7/ 93686-30-7	CANANGA ODORATA OIL/EXTRACT (YLANG YLANG)	---
84776-64-7/ 90045-94-6/ 8022-96-6/ 8024-43-9	JASMINE OIL/EXTRACT (GRANDIFLORUM / OFFICINALE)	---
84929-31-7/ 8008-56-8	CITRUS LIMON PEEL OIL	---
87-44-5	BETA-CARYOPHYLLENE	---
89-78-1/ 1490-04-6/2216-51-5/ 15356-60-2	MENTHOL	---
90028-67-4	EVERNIA FURFURACEA (TREEMOSS) EXTRACT	---
90028-68-5	EVERNIA PRUNASTRI (OAKMOSS) EXTRACT	---
9005-90-7/ 8006-64-2/8052-14-0	TURPENTINE	---
90064-26-9/ 68917-12-4/ 90064-27-0/ 90064-25-8	NARCISSUS EXTRACT	---
90082-51-2/ 8000-46-2	PELARGONIUM GRAVEOLENS FLOWER OIL	---
90082-72-7	PINUS MUGO	---
91-64-5	COUMARIN	---
91722-69-9/ 8022-15-9/93455-96-0/ 93455-97-1/ 92623-76-2/ 84776-65-8/ 8000-28-0/90063-37-9	LAVANDULA OIL/ EXTRACT	---
92201-55-3/ 8023-85-6	CEDRUS ATLANTICA OIL/ EXTRACT	---
92-48-8	6-METHYL COUMARIN	---
93-28-7	EUGENYL ACETATE	---
93-29-8	ISOEUGENYL ACETATE	---
97-53-0	EUGENOL	---
97-54-1/ 5932-68-3/5912-86-7	ISOEUGENOL	0.029
97676-05-6	PINUS PUMILA	---
97926-40-4/ 8000-48-4	EUCALYPTUS GLOBULUS OIL	---
99-49-0/ 6485-40-1/2244-16-8	CARVONE	---
99-86-5	ALPHA-TERPINENE	---

The information contained in is, to the best of our knowledge, true and accurate at the time is given. It is provided to the customer for its information and internal use only. We are not liable for any damages that may result from the misuse of the data.

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IFRA Conformity Certificate

14732-401-4

Lilac

We certify that the above compound is in compliance with the Code of Practice of the INTERNATIONAL FRAGRANCE ASSOCIATION (IFRA-51, published 30 JUN 2023), provided it is used at a maximum concentration level of:

Combined IFRA Category (see Annex for definition)	Maximum level of use (%) (w/w)
Category 1	---
Category 2	0.5
Category 3	10.78
Category 4	10.01
Category 5A	2.6
Category 5B	2.6
Category 5C	2.6
Category 5D	2.38
Category 6	---
Category 7A	10.78
Category 7B	10.78
Category 8	1.1
Category 9	20.03
Category 10A	14.63
Category 10B	72.1
Category 11A	2.38
Category 11B	2.38
Category 12	100.0

IFRA Conformity Certificate

14732-401-4

Lilac

Annex: Definition of combined IFRA categories

Finished product types	Combined IFRA category
Children's toys // Lip products of all types (solid and liquid lipsticks, balms, clear or colored, etc...)	Category 1
Deodorant and antiperspirant products of all types including fragranced body sprays and body mists	Category 2
Eye products of all types (eye shadow, mascara, eyeliner, eye make-up, etc...) // Women's make-up (Foundation) // Make-up removers of all types // Nose pore strips // Wipes or refreshing tissues for face, neck, hands, body // Body and face paint (for children and adults) // Facial masks (facial treatment)	Category 3
Hydroalcoholic and non-hydroalcoholic fine fragrance of all types (Eau de toilette, Parfum, Eau de Cologne, solid perfume, fragrancing cream, etc.), aftershaves of all types (except creams and balms) // Fragranced bracelets // Ingredients of perfume kits and fragrance mixtures for cosmetic kits // Scent pads, Foil packs // Scent strips for hydroalcoholic products	Category 4
Body creams, oils, lotions of all types (except baby cream, lotion, oil) // Foot care products (creams & powders) // Insect repellent intended to be applied on the skin // All powders and talcs (except baby powders and talcs)	Category 5A
Facial creams, toner and moisturizers (including care products for beard and mustache), Aftershaves creams and balms	Category 5B
Hand cream // Nail care products (including cuticle creams, nail lacquer remover, etc.) // Hand sanitizers	Category 5C
Baby lotion, cream, oil, powder/talc	Category 5D
Mouthwash including breath sprays, tablets and strips // Toothpaste and toothpowder // excluding Dental Floss	Category 6
Rinse-off hair permanent or other hair chemical treatments (e.g. relaxers) including hair dyes	Category 7A
Hair sprays of all types // Hair styling aids non sprays (mousse, gels, leave on conditioners) // Dry shampoo or waterless shampoo // Hair deodorant, hair perfume // Leave on hair permanent or other hair chemical treatments (e.g. relaxers) including hair dyes	Category 7B
Intimate wipes // Intimate deodorant spray // Tampons // Baby wipes // Wet toilet paper	Category 8
Bar soap // Shampoo // Face washes, gels, scrubs // Conditioner (rinse-off) // Liquid soap // Body wash and shower gels // Bath gels, foams, mousses, salts, oils // Baby wash, bath, shampoo // Foot care products (feet are placed in a bath for soaking) // Shaving creams // Depilatory (including facial) // Waxes for mechanical hair removal // Shampoos for pets	Category 9
Hand wash laundry detergent // Laundry pre-treatment (all types) // Hand dishwashing detergent // Hard surface cleaner (all types) // Machine Laundry detergents with skin contact (e.g. liquids, powders) // Toilet seat wipes // Fabric softeners of all types excluding fabric softener sheets // Other household cleaning products (fabric cleaners, soft surface cleaners, carpet cleaners, furniture polishes (sprays and wipes), leather cleaning wipes, starch sprays, stain removers, fabric enhancing sprays, treatment products for textiles including deodorizer) // Floor wax // Fragranced oil for lamp rings, reed diffusers, pot-pouri, etc... // Ironing water // Dry cleaning kits (involving manual application on the textile)	Category 10A
Air fresheners sprays, including aerosol and pump // Insecticides aerosol or sprays // Sprays (of all types) applied to animals	Category 10B
Feminine hygiene conventional pads, interlabial pads // Feminine hygiene liners // Diapers (baby and adult) // Adult incontinence pant, pad // Toilet paper (dry)	Category 11A
Tights with moisturizers // Scented socks, gloves // Facial tissues (dry tissues) // Napkins // Paper towels // Wheat bags // Fragranced facemasks (paper/protective, not intended for use as a medical device) // Pillow spray // Solid fertilizers (pellet or powder)	Category 11B
Air delivery systems // Air Fresheners and fragrancing of all types (excluding aerosols listed in category 10), e.g. plug-ins and enclosed liquid refills, solid substrate, membrane delivery, electrical, powders, fragrancing sachets, incense, air freshening crystals, automated sprays (including concentrated aerosols with metered doses [range 0.05-0.5 mL/spray]), closed air fresheners // Candles of all types (including encased) // Cat litter // Deodorizers/maskers not intended for skin contact (e.g. fabric drying machine deodorizers, carpet powders) // Dry cleaning kits (placed in the dryer) // Dryer sheets and fabric softener sheets // Fuels // Insecticides (e.g. mosquito coil, paper, electrical, for dothing) excluding aerosol/spray // Joss sticks or incense sticks // Laundry detergents with minimal skin contact (e.g. pods) // Machine dishwash detergent and deodorizer // Paints // Plastic articles (excluding toys) // "Scratch and sniff" (sampling technology) // Scent pack // Scent delivery system using a dry air technology // Shoe polishes // Toilet blocks // Toilet gel // Olfactive board games // Scent beads	Category 12

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SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No 2020/878

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

1.1 Product identifier

Item number/ Trade name fragrance composition
14732-401-4
Lilac
UFI C31T-VMFC-2U1E-HQKS

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

General use Perfumes, fragrances, Formulation of fragranced products

1.3 Details of the supplier of the safety data sheet

Company/undertaking identification
Geomar Concept SRL

1.4 Emergency telephone number

Name Geomat Concept SRL +40725864869

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to EC regulation 1272/2008 (CLP)

Aquatic Chronic 2; H411 Toxic to aquatic life with long lasting effects.
Eye Irrit. 2; H319 Causes serious eye irritation.
Skin Sens. 1; H317 May cause an allergic skin reaction.

2.2 Label elements



Signal word

Warning

Nature of Hazard

GHS07 Exclamation mark
GHS09 Environment

Hazard statements

H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
H411 Toxic to aquatic life with long lasting effects.

Safety precautions

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
P391 Collect spillage.

Hazard components for labelling

Linalool(78-70-6)

Special provisions concerning the labelling of certain mixtures

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2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulating and toxic (PBT) or very persistent and very bioaccumulating (vPvB) at levels of 0.1% or higher. The substance/mixture does not contain any ingredients with endocrine disrupting properties that are listed under REACH Article 57(f) (or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605) at levels of 0.1% or more.

SECTION 3: Composition/information on ingredients

3.1 Substances

3.2 Mixtures

Hazardous ingredients

Benzyl acetate: 10 % - 24,99 %
CAS-Number: 140-11-4
EC-number: 205-399-7
REACH registration No.: 01-2119638272-42
Classification according to EC regulation 1272/2008 (CLP):
Aquatic Chronic 3; H412

2-Phenylethanol: 3 % - 9,99 %
CAS-Number: 60-12-8
EC-number: 200-456-2
REACH registration No.: 01-2119963921-31
Classification according to EC regulation 1272/2008 (CLP):
Acute Tox. 4; H302 / Eye Irrit. 2; H319

3a,4,5,6,7,7a-Hexahydro-4,7-methanoinden-6-yl acetate: 3 % - 9,99 %
CAS-Number: 5413-60-5
EC-number: 226-501-6
REACH registration No.: 01-2119934491-26
Classification according to EC regulation 1272/2008 (CLP):
Aquatic Chronic 1; H410 (M = 1)

Linalool: 2,5 % - 2,99 %
CAS-Number: 78-70-6
EU index number: 603-235-00-2
EC-number: 201-134-4
REACH registration No.: 01-2119474016-42
Classification according to EC regulation 1272/2008 (CLP):
Eye Irrit. 2; H319 / Skin Irrit. 2; H315 / Skin Sens. 1B; H317

Pentyl salicylate: 1 % - 2,49 %
CAS-Number: 2050-08-0
EC-number: 218-080-2
REACH registration No.: 01-2119969444-27
Classification according to EC regulation 1272/2008 (CLP):
Acute Tox. 4; H302 / Aquatic Acute 1; H400 (M = 1) / Aquatic Chronic 1; H410 (M = 1)

Isopentylacetat: 1 % - 2,49 %
CAS-Number: 123-92-2
EC-number: 204-662-3
REACH registration No.: 01-2119548408-32

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Classification according to EC regulation 1272/2008 (CLP):
Flam. Liq. 3; H226

Undecan-4-olide: 1 % - 2,49 %
CAS-Number: 104-67-6
EC-number: 203-225-4
REACH registration No.: 01-2119959333-34-XXXX
Classification according to EC regulation 1272/2008 (CLP):
Aquatic Chronic 3; H412

anisaldehyde: 1 % - 2,49 %
CAS-Number: 123-11-5
EC-number: 204-602-6
REACH registration No.: 01-2119977101-43
Classification according to EC regulation 1272/2008 (CLP):
Aquatic Chronic 3; H412 / Repr. 2; H361

Hexyl 2-methylpropanoate: 1 % - 2,49 %
CAS-Number: 2349-07-7
EC-number: 219-075-8
Classification according to EC regulation 1272/2008 (CLP):
Aquatic Chronic 2; H411

Indol: 0,1 % - 0,99 %
CAS-Number: 120-72-9
EC-number: 204-420-7
REACH registration No.: 01-2120745892-45
Classification according to EC regulation 1272/2008 (CLP):
Acute Tox. 3; H311 / Acute Tox. 4; H302 / Eye Dam. 1; H318
ATE (oral): 1000 mg/kg
ATE (dermal): 790 mg/kg

Isoeugenol: 0,01 % - 0,09 %
CAS-Number: 97-54-1
EU index number: 604-094-00-X
EC-number: 202-590-7
REACH registration No.: 01-2120223682-61
Classification according to EC regulation 1272/2008 (CLP):
Acute Tox. 4; H302 / Acute Tox. 4; H312 / Acute Tox. 4; H332 / Eye Irrit. 2; H319 / STOT SE 3; H335 /
Skin Irrit. 2; H315 / Skin Sens. 1A; H317 (0,01% <= C)
Skin Sens. 1; H317: C >=0,01%

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Full text of H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information	Remove affected person from the danger area and lay down. Do not leave affected person unattended. Show this safety data sheet to the doctor in attendance.
In case of inhalation	If unconscious but breathing normally, place in recovery position and seek medical advice. Seek medical aid in case of troubles.
In case of skin contact	Thoroughly clean the contaminated area with water.
After eye contact	Remove contact lenses, if any. Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently seek the immediate attention of an ophthalmologist.
After swallowing	Keep airway open. Never give anything by mouth to an unconscious person. Seek medical treatment in case of troubles.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms	No data available
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4.3 Indication of any immediate medical attention and special treatment needed

Information to physician	No data available
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SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media	dry extinguishing powder, Alcohol resistant foam , carbon dioxide , water mist
Extinguishing media which must not be used for safety reasons	Full water jet

5.2 Special hazards arising from the substance or mixture

Possible combustion products	May form dangerous gases and vapours in case of fire.
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5.3 Advice for firefighters

Special protective equipment for firefighters	Wear a self-contained breathing apparatus and chemical protective clothing.
Additional information	Do not allow water used to extinguish fire to enter drains, ground or waterways. You have to dispose of contaminated extinguishing water according to the regulations of the authorities.

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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.2 environmental precautions

Do not allow to penetrate into soil, waterbodies or drains. Discharge into the environment must be avoided. If necessary notify appropriate authorities.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents) and place in closed containers for disposal.

6.4 Reference to other sections

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advices on safe handling

Avoid exposure - obtain special instructions before use. Avoid contact with skin, eyes, and clothing. When using do not eat, drink, smoke, sniff. Ensure all waste water is collected and treated via a waste water treatment plant. Personal protection equipment: see section 8

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers

Keep container tightly closed in a cool, well-ventilated place. Protect from light.

Storage class

10

7.3 Specific end use(s)

General use

Perfumes, fragrances, Formulation of fragranced products

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

8.2 Exposure controls

Respiratory protection

Avoid exceeding WEL threshold levels. Respiratory protection must be worn whenever the WEL levels have been exceeded. Provide good ventilation and/or an exhaust system in the work area.

Hand protection

breakthrough time Short-term, accidental skin contact: Breakthrough time 10 min
In case of prolonged or frequently repeated skin contact: If direct skin contact with the chemical is expected during work, then gloves conforming to EN 16523-1/ASTM F739 (or equivalent local standard) with a breakthrough time at least equal to the contact time must be worn. Breakthrough time: Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Eye protection

Use safety glasses conforming to EN 166/ANSI Z87.1 or equivalent local standards.

Body protection

Wear suitable protective clothing. When handling larger quantities: face protection, rubber boots and rubber apron.

General protection and hygiene measures

Avoid contact with skin, eyes, and clothing. After work, wash hands and face. When using do not eat, drink or smoke. Wash contaminated clothing prior to re-use.

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SECTION 9: Physical and chemical properties

9.1 information on basic physical and chemical properties

Form liquid
Colour yellowish
Odour characteristic

Important health, safety and environmental information

	min	max		
Melting point/freezing point	< 20 °C	---		
Initial boiling point and boiling range	---	---		
Flammability			---	
Explosion limits	---	---		
Flash point/flash point range	90 °C c.c.	---		
Ignition temperature	---	---		
PH	---	---	---	---
Viscosity	---	---	---	---
Solubility	---	---	---	---
Partition coefficient: n-octanol/water	---	---		---
Vapour pressure	ber. 0,1896 hPa	---	20 °C	---
Density and/or relative density	0,931 g/cm ³	---	20 °C	---
Relative vapour density	---	---		---
Bulk density	---	---	---	
Flow time 4mm (DIN)	---	---		
Water solubility	---	---		

9.2 Other information

SECTION 10: Stability and reactivity

- 10.1 Reactivity** No data available
- 10.2 Chemical stability** No data available
- 10.3 Possibility of hazardous reactions** Strong oxidizing agents
- 10.4 Conditions to avoid** No data available
- 10.5 Incompatible materials** No data available
- 10.6 Hazardous decomposition products** No data available

SECTION 11: Toxicological information

11.1 Information on toxicological effects

General remarks

No data available

Toxicological tests: components

Benzyl acetate

oral	LD50	2490.0	mg/kg	-
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Rat

Toxicological tests: components

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2-Phenylethanol

oral	LD50	1610.0	mg/kg	-
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Rat

Toxicological tests: components

3a,4,5,6,7,7a-Hexahydro-4,7-methanoinden-6-yl acetate

dermal	LD50	5000.0	mg/kg	-
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Rabbit

Toxicological tests: components

Linalool

oral	LD50	2790.0	mg/kg	-
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Rat

Toxicological tests: components

Pentyl salicylate

oral	LD50	2000.0	mg/kg	-
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Rat

Toxicological tests: components

Isopentylacetat

oral	LD50	5000.0	mg/kg	-
------	------	--------	-------	---

Rat

dermal	LD50	5000.0	mg/kg	-
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Rabbit

Toxicological tests: components

Undecan-4-olide

oral	LD50	18500.0	mg/kg	-
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Rat

Toxicological tests: components

Hexyl 2-methylpropanoate

oral	LD50	5000.0	mg/kg	-
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Rat

dermal	LD50	5000.0	mg/kg	-
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Rabbit

Toxicological tests: components

Indol

oral	LD50	1000.0	mg/kg	-
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Rat

dermal	LD50	790.0	mg/kg	-
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Rabbit

Toxicological tests: components

Isoeugenol

oral	LD50	1560.0	mg/kg	-
------	------	--------	-------	---

Rat

dermal	LD50	1770.0	mg/kg	-
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Rabbit

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11.2 Information on other hazards

Endocrine disrupting properties

The substance/mixture does not contain any ingredients with endocrine disrupting properties that are listed under REACH Article 57(f) (or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605) at levels of 0.1% or more.

Further details

No data available

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

Toxic to aquatic life with long lasting effects.

12.2 Persistence and degradability

Evaluation text

No data available

Degree of elimination

No data available

Analytical method

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulating and toxic (PBT) or very persistent and very bioaccumulating (vPvB) at levels of 0.1% or higher.

12.6 Endocrine disrupting properties

The substance/mixture does not contain any ingredients with endocrine disrupting properties that are listed under REACH Article 57(f) (or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605) at levels of 0.1% or more.

12.7 Other adverse effects

An environmental hazard cannot be ruled out in the event of improper handling or disposal. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Recommendation

Discharge into the environment must be avoided. Dispose of waste according to applicable legislation.

Package

Recommendation

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

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SECTION 14: Transport information

14.1 UN number

ADR, IATA, IMDG UN3082

14.2 UN proper shipping name

Product designation: ADR/RID Environmentally hazardous substance, liquid n.o.s.
Proper shipping name: IATA-DGR Environmentally hazardous substance, liquid, n.o.s.
Proper shipping name: IMDG Environmentally hazardous substance, liquid, n.o.s.

14.3 Transport hazard class(es)

Class ADR/RID 9
Classification code M6
ADR/RID
Class IATA-DGR 9
Subrisk IATA-DGR ---
Class IMDG 9
Subrisk IMDG ---

14.4 Packing group

ADR, IATA, IMDG III

14.5 Environmental hazards

Marine Pollutant - IMDG -
EmS F-A, S-F
Stowage and segregation Stowage Category A

14.6 Special precautions for user

14.7 Maritime transport in bulk according to IMO instruments

Additional information

EQ E1
Limited quantities 5L
Special Provisions ADR: 274, 335, 375, 601
IMDG: 274, 335, 969
IATA: A97, A158, A197
Tunnel restriction (-)
Transport category 3
Kemmler-number 90

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SECTION 15: Regulatory information

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

National regulations

Europe

Germany

Storage class	10
Water Hazard Class	1
Major Accident Ordinance (12. BImSchV)	E2 Hazardous to the Aquatic Environment in Category Chronic 2
Information on working limitations	Observe employment restrictions for young people.

15.2 Chemical Safety Assessment

Chemical Safety Assessment ---

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SECTION 16: Other information

Hazard statements (CLP)

H226 Flammable liquid and vapour.
H302 Harmful if swallowed.
H311 Toxic in contact with skin.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H361 Suspected of damaging fertility or the unborn child.
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.

Reason of change

Abbreviations

--- no data, not determined or not applicable
REACH Registration, Evaluation, Authorisation and Restriction of Chemicals (Regulation (EC) No. 1907/2006)
OECD Organisation for Economic Co-operation and Development
LD50 Median lethal dose
LC50 Median lethal concentration
EC50 Median effective dose
IC50 Median inhibitory concentration
VCI Verband der chemischen Industrie
CAS Chemical Abstract Service
EINECS European Inventory of Existing Commercial Chemical Substances
ELINCS European List of Notified Chemical Substances
NLP No Longer Polymers
CLP Regulation (EC) No 1272/2008 on Classification, Labelling and Packaging
EG European Union
WGK water hazard class (according to AwSV, Appendix 1 (5.2))
AGW Occupational Exposure Limit
ADR Accord Européen relatif au transport international des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID Règlement concernant le transport international ferroviaire des marchandises dangereuses (Regulation on the international carriage of dangerous goods by rail)
IATA International Air Transport Association
IMDG International Maritime Dangerous Goods
MARPOL International Convention for the Prevention of Pollution From Ships (MARine POLLution)
EmS Emergency Schedules
PBT persistent, bioaccumulative and toxic
vPvB very persistent and very bioaccumulative