

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006

Product name: Monoi Fragrance Oil

Creation date: 18.05.2026, Revision: 18.05.2026, Version: 1.0

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

1.1 Product identifier

Product name

Monoi Fragrance Oil

Product code

[AL00491]

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

Relevant identified uses

Ingredient for industrial use: perfume composition

Uses advised against

No information.

1.3 Details of the supplier of the safety data sheet

Supplier

Farmadria DOO
Heroja Pinkija 44
26300 Vršac, Serbia
+381695565029
info@avenalab.com
<https://avenalab.com/>

1.4 Emergency Telephone Number

Emergency

112

Supplier

+381695565029

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

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

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Skin Irrit. 2; H315 Causes skin irritation.
Skin Sens. 1; H317 May cause an allergic skin reaction.
Eye Dam. 1; H318 Causes serious eye damage.
Aquatic Chronic 2; H411 Toxic to aquatic life with long lasting effects.

2.2 Label elements

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



Signal word: **DANGER**

Hazard statements:

H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H411 Toxic to aquatic life with long lasting effects.

Supplemental hazard information (EU):

Not applicable.

Precautionary statements:

P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P501 Dispose of contents/container in accordance with national regulation.

Contains:

(2E)-2-(phenylmethylidene)octanal
2-benzylideneheptanal
7-hydroxycitronellal
linalool
benzyl salicylate
methyl salicylate
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one
benzyl alcohol
linalyl acetate
geraniol
3-p-cumenyl-2-methylpropionaldehyde
citronellol
isopentyl salicylate
Geranyl acetate
beta-methylionone
cinnamaldehyde

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2.3 Other hazards

PBT/vPvB

No information.

Endocrine disrupting properties

The product does not contain substances with the potential for endocrine disorders.

Additional information

No information.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

For mixtures see 3.2.

3.2 Mixtures

Name	CAS EC Index REACH	%	Classification according to Regulation (EC) No 1272/2008 (CLP)	Specific Concentration Limits	Notes for substances
(2E)-2-(phenylmethylidene)octanal	101-86-0 202-983-3 -	C= 13.7%	Skin Sens. 1B; H317 Aquatic Acute 1; H400; M = 1 Aquatic Chronic 2; H411	oral: ATE = 3100 mg/kg bw	/
benzyl acetate	140-11-4 205-399-7 -	C= 13.18%	Aquatic Chronic 3; H412	/	/
2-benzylideneheptanal	122-40-7 204-541-5 -	C= 12.75%	Skin Sens. 1B; H317 Aquatic Chronic 2; H411	oral: ATE = 3730 mg/kg bw	/

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7-hydroxycitronellal	107-75-5 203-518-7 -	C= 12.73%	Skin Sens. 1B; H317 Eye Irrit. 2; H319	/	/
2-phenylethanol	60-12-8 200-456-2 -	C= 7.27%	Acute Tox. 4; H302 Eye Irrit. 2; H319	oral: ATE = 1610 mg/kg bw dermal: ATE = 2500 mg/kg bw	/
linalool	78-70-6 201-134-4 -	C= 7.27%	Skin Irrit. 2; H315 Skin Sens. 1B; H317 Eye Irrit. 2; H319	oral: ATE = 2790 mg/kg bw	/
Ethyl 2-naphthyl ether	93-18-5 202-226-7 -	C= 5.45%	Skin Irrit. 2; H315 Aquatic Chronic 2; H411	/	/
benzyl salicylate	118-58-1 204-262-9 607-754-00-5	C= 5.45%	Skin Sens. 1B; H317 Eye Irrit. 2; H319 Aquatic Chronic 3; H412	oral: ATE = 2200 mg/kg bw	/
terpineol	8000-41-7 232-268-1 -	C= 3.18%	Skin Irrit. 2; H315 Eye Irrit. 2; H319	/	/

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3-ethoxy-4-hydroxybenzaldehyde	121-32-4 204-464-7 -	C= 3.18%	Eye Irrit. 2; H319	oral: ATE = 3000 mg/kg bw	/
methyl salicylate	119-36-8 204-317-7 607-749-00-8	C= 2.0%	Acute Tox. 4; H302 Skin Sens. 1B; H317 Eye Dam. 1; H318 Repr. 2; H361 Aquatic Chronic 3; H412	oral: ATE = 890 mg/kg bw	/
2'-acetonaphthone	93-08-3 202-216-2 -	C= 1.82%	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Aquatic Chronic 2; H411	/	/
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	127-51-5 204-846-3 -	C= 1.79%	Skin Irrit. 2; H315 Skin Sens. 1B; H317 Aquatic Chronic 2; H411	/	/
benzyl alcohol	100-51-6 202-859-9 603-057-00-5	C= 1.41%	Acute Tox. 4; H302 Skin Sens. 1B; H317 Eye Irrit. 2; H319	oral: ATE = 1570 mg/kg bw	/

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linalyl acetate	115-95-7 204-116-4 -	C= 1.36%	Skin Irrit. 2; H315 Skin Sens. 1B; H317 Eye Irrit. 2; H319	/	/
methyl anthranilate	134-20-3 205-132-4 -	C= 1.36%	Eye Irrit. 2; H319	/	/
geraniol	106-24-1 203-377-1 -	C= 1.35%	Skin Irrit. 2; H315 Skin Sens. 1; H317 Eye Dam. 1; H318	oral: ATE = 3600 mg/kg bw	/
3-p-cumenyl-2- methylpropion aldehyde	103-95-7 203-161-7 -	C= 0.46%	Skin Irrit. 2; H315 Skin Sens. 1B; H317 Repr. 2; H361 Aquatic Chronic 3; H412	oral: ATE = 3810 mg/kg bw	/
citronellol	106-22-9 203-375-0 -	C= 0.27%	Skin Irrit. 2; H315 Skin Sens. 1B; H317 Eye Irrit. 2; H319	oral: ATE = 3450 mg/kg bw dermal: ATE = 2650 mg/kg bw	/
benzyl benzoate	120-51-4 204-402-9 607-085-00-9	C= 0.23%	Acute Tox. 4; H302 Aquatic Acute 1; H400; M = 1 Aquatic Chronic 2; H411	oral: ATE = 500 mg/kg bw	/

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benzaldehyde	100-52-7 202-860-4 605-012-00-5	C= 0.18%	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Acute Tox. 4; H332 STOT SE 3; H335 Repr. 2; H361 Aquatic Chronic 2; H411	oral: ATE = 2500 mg/kg bw inhalation: ATE = 15 mg/l (vapours)	/
isopentyl salicylate	87-20-7 201-730-4 -	C= 0.18%	Skin Sens. 1B; H317 Aquatic Acute 1; H400; M = 1 Aquatic Chronic 3; H412	/	/
Geranyl acetate	105-87-3 203-341-5 -	C= 0.18%	Skin Irrit. 2; H315 Skin Sens. 1; H317 Aquatic Chronic 3; H412	/	/
beta- methylionone	127-43-5 204-843-7 -	C= 0.14%	Skin Irrit. 2; H315 Skin Sens. 1B; H317 Aquatic Chronic 2; H411	/	/
methyl benzoate	93-58-3 202-259-7 -	C= 0.14%	Acute Tox. 4; H302 Repr. 2; H361	/	/

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2-pentyl-3-phenylprop-2-en-1-ol	101-85-9 202-982-8 -	C= 0.06%	Skin Irrit. 2; H315 Skin Sens. 1B; H317 Eye Irrit. 2; H319	/	/
2-tert-butylhydroquinone	1948-33-0 217-752-2 -	C= 0.05%	Acute Tox. 4; H302 Acute Tox. 4; H312 Skin Irrit. 2; H315 Skin Sens. 1; H317 Eye Irrit. 2; H319 Aquatic Acute 1; H400; M = 1 Aquatic Chronic 1; H410; M = 1	/	/
cinnamaldehyde	104-54-1 203-212-3 -	C= 0.03%	Acute Tox. 4; H302 Skin Sens. 1B; H317 Aquatic Chronic 2; H411	oral: ATE = 2000 mg/kg bw	/
nerol	106-25-2 203-378-7 -	C= 0.02%	Skin Irrit. 2; H315 Skin Sens. 1B; H317 Eye Irrit. 2; H319	oral: ATE = 4500 mg/kg bw	/

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Name	CAS EC Index REACH	%	Classification according to Regulation (EC) No 1272/2008 (CLP)	Specific Concentration Limits	Notes for substances
cinnamaldehyde	104-55-2 203-213-9 606-155-00-6	C= 0.013%	Acute Tox. 4; H312 Skin Irrit. 2; H315 Skin Sens. 1A; H317 Eye Irrit. 2; H319 Aquatic Chronic 3; H412	oral: ATE = 2200 mg/kg bw dermal: ATE = 1100 mg/kg bw	/

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General notes

Never give anything by mouth to an unconscious person. Place patient in recovery position and ensure airway patency. When in doubt or if feeling unwell seek medical assistance. Show the safety data sheet and label to the physician. No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. When it is suspected, that there may still be harmful vapours/fumes present in the air, respiratory protection (mask; self contained breathing apparatus) must be used. Wash contaminated clothing with water before removing or use gloves.

Following inhalation

Remove patient to fresh air - move out of dangerous area. In case of unconsciousness bring patient into stable side position and seek medical attention. If breathing is irregular or respiratory arrest occurs, provide artificial respiration. Keep at rest in a position comfortable for breathing. Seek medical help immediately.

Following skin contact

Take off all contaminated clothing. Areas of the body that have come into contact with the product must be rinsed with water. Immediately obtain professional medical help!

Following eye contact

Immediately flush eyes with running water, keeping eyelids apart. After 5 minutes of rinsing, remove contact lenses, if present, and continue rinsing. Consult a physician immediately!

Following ingestion

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Do not induce vomiting! Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Immediately consult a doctor. Show the physician the safety data sheet or label.

4.2 Most important symptoms and effects, both acute and delayed

Following inhalation

Excessive exposure to spray mist, fog, or vapours may cause respiratory irritation.

Following skin contact

Skin burns: Signs/symptoms may include localised redness, swelling, itching, dryness, blistering. May cause sensitisation by skin contact (itching, redness, rashes).

Following eye contact

Redness, pain, burning sensation, tearing, can cause permanent damage to the eyes.

Following ingestion

May cause nausea/vomiting and diarrhea. May cause abdominal discomfort. If ingested, may cause burns of the mouth and throat, as well as perforation of the esophagus and stomach. Irritates mucous membranes in the mouth, throat, esophagus and in gastrointestinal area.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Carbon dioxide. Dry chemical powder. Water spray. Alcohol resistant foam.

Unsuitable extinguishing media

Full water jet.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

In case of a fire toxic gases can be generated; do not inhale gases/smoke.

5.3 Advice for firefighters

Protective actions

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In case of fire or heating do not breathe fumes/vapours. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters

Firefighters should wear appropriate protective clothing for firefighters (including helmets, protective boots and gloves) (BS EN 469) and self-contained breathing apparatus (SCBA) with a full face-piece (BS EN 137).

Additional information

Contaminated firefighting water and fire residues must be disposed of in accordance with the local regulations.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Protective equipment

No information.

Precautionary measures

Ensure adequate ventilation.

Emergency procedures

No action shall be taken involving any personal risk or without suitable training. Prevent access to unprotected personnel. Evacuate the danger zone. Do not breathe vapour or mist. Avoid contact with skin, eyes and clothing.

For emergency responders

Use personal protective equipment.

6.2 Environmental precautions

Do not allow product to reach water/drains/sewage systems or permeable soil. In case of release into the environment, inform the relevant authorities.

6.3 Methods and material for containment and cleaning up

For containment

Stem the spill if this does not pose risks.

For cleaning up

Absorb product (with inert material), collect it in special container and dispose it to a licensed hazardous-waste disposal contractor. Prevent release into the sewer, water, basements or confined areas. Ventilate

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the premises. Clean contaminated area with plenty of water.

Other information

No information.

6.4 Reference to other sections

See also sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Protective measures

Measures to prevent fire

Ensure adequate ventilation.

Measures to prevent aerosol and dust generation

Use general or local exhaust ventilation to prevent inhaling vapours and aerosols.

Measures to protect the environment

Do not discharge into drains, surface water and soil. After use immediately close container tightly.

Other measures

No information.

Advice on general occupational hygiene

Use good personal hygiene practices – wash hands at breaks and when done working with material. Do not eat, drink or smoke while working. Do not breathe vapours/mist. Avoid contact with skin, eyes and clothes. Remove contaminated clothes and wash them before reuse. Wear suitable protective equipment; see Section 8.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep in a cool, dry and well ventilated place. Keep away from food, drink and animal feeding stuffs.

Packaging materials

Store only in original container.

Requirements for storage rooms and vessels

Close opened containers after use. Put the containers upright to prevent from leaking. Do not store in unlabelled containers.

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Storage temperature

No information.

Storage class

No information.

Further information on storage conditions

No information.

7.3 Specific end use(s)

Recommendations

No information.

Industrial sector specific solutions

No information.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Occupational Exposure limit values

No information.

Information on monitoring procedures

BS EN 14042:2003 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents. BS EN 689:2018 Workplace exposure. Measurement of exposure by inhalation to chemical agents. Strategy for testing compliance with occupational exposure limit values. BS EN 482:2021 Workplace exposure. Procedures for the determination of the concentration of chemical agents. Basic performance requirements.

DNEL/DMEL values

For product

No information.

For components

No information.

PNEC values

For product

No information.

For components

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No information.

8.2 Exposure controls

Appropriate engineering control

Substance/mixture related measures to prevent exposure during identified uses

Use good personal hygiene practices – wash hands at breaks and when done working with material. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothes. Do not eat, drink or smoke while working. Do not breathe vapours/aerosols.

Structural measures to prevent exposure

No information.

Organisational measures to prevent exposure

Remove all contaminated clothes immediately and wash them before reuse. Keep eyewash bottles or personal eyewash units and emergency showers available.

Technical measures to prevent exposure

Provide good ventilation and local exhaust in areas with increased concentration. Keep away from food, drink and animal feeding stuffs.

Personal protective equipment

Eye and face protection

Wear tight fitting protective goggles and/or face protection (EN 166).

Hand protection

Protective gloves (EN ISO 374). Observe the manufacturer's instructions regarding the use, storage, maintenance and replacement of gloves. In case of damage or at the first signs of wear and tear, change the gloves immediately. The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. The penetration time is determined by the protective glove manufacturer and must be observed.

Appropriate materials

No information.

Skin protection

Cotton protective clothing and shoes that cover the entire foot (BS EN ISO 20345:2022). At high risk of skin exposure chemical suits (BS EN 13034:2005+A1:2009) and boots may be required (BS EN ISO 20345:2022+A1:2024).

Respiratory protection

In case of insufficient ventilation wear suitable respiratory protection. Wear suitable protective breathing mask (BS EN 136) with filter A2-P2 (BS EN 14387). For dust/gas/ vapor concentrations above the applicable filter limit, in case of oxygen concentrations below 17% or in vague conditions, autonomous self-contained breathing apparatus should be used, according to standard BS EN 137, BS EN 138.

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Thermal hazards

No information.

Environmental exposure controls

Substance/mixture related measures to prevent exposure

No information.

Instruction measures to prevent exposure

No information.

Organisational measures to prevent exposure

No information.

Technical measures to prevent exposure

Do not allow product to reach drains, sewage systems or ground water.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Important health, safety and environmental information

Physical state	liquid
Shape	No information.
Colour	Pale yellow.
Odour	Coconut - Tuberose - Fruity - Floral
Odour threshold	No information.
Melting/freezing point or softening point	No information.
Boiling point or initial boiling point and boiling range	No information.
Flammability	No information.
Lower and upper explosion limit	No information.
Flash point	> 100 °C
Auto-ignition temperature	No information.

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Decomposition temperature	No information.
pH	No information.
Viscosity	No information.
Solubility (Water)	soluble
Partition coefficient n-octanol/water (log value)	No information.
Vapour pressure	No information.
Relative density	0.982 — 1.002
Relative vapour/gas density	No information.
Particle characteristics	No information.

9.2 Other information

Information with regard to physical hazard classes

No information.

Other safety characteristics

No information.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No information.

10.2 Chemical stability

Product is stable under normal conditions of use, recommended handling and storage conditions.

10.3 Possibility of hazardous reactions

No information.

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10.4 Conditions to avoid

No information.

10.5 Incompatible materials

No information.

10.6 Hazardous decomposition products

Under normal use conditions no hazardous decomposition products are expected. In case of fire/explosion vapours/gases that pose a health hazard are released.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

(a) Acute toxicity

For components

Name	Exposure route	Type	Species	Time	Value	Method	Remark
benzyl acetate	/	/	/	/	2490 mg/kg	/	/
2-benzyliden eheptanal	dermal	LD ₅₀	rat	/	3730 mg/kg	/	/
7-hydroxycitronellal	dermal	LD ₅₀	rabbit	/	2000 mg/kg	/	/
7-hydroxycitronellal	oral	LD ₅₀	rat	/	6800 mg/kg	/	/

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Name	Exposure route	Type	Species	Time	Value	Method	Remark
linalool	/	ATE	/	/	2790 mg/kg	/	Linalool ETAO : 2 790,00 mg/kg(Dét erminée) ETAC : Non déterminé e ETAI : Non déterminé e
Ethyl 2-naphthyl ether	dermal	LD ₅₀	rabbit	/	> 5000 mg/kg	/	/
Ethyl 2-naphthyl ether	oral	LD ₅₀	rat	/	3110 mg/kg	/	/
benzyl salicylate	oral	LD ₅₀	rat	/	> 3000 mg/kg	/	/
benzyl salicylate	dermal	LD ₅₀	rat	/	> 2000 mg/kg	/	/
terpineol	oral	/	/	/	4300 mg/kg	/	/
3-ethoxy-4-hydroxybenzaldehyde	oral	LD ₅₀	rat	/	> 3160 mg/kg bw	OECD 401	/
3-ethoxy-4-hydroxybenzaldehyde	dermal	LD ₅₀	rat	/	> 2000 mg/kg bw	OECD 402	/
2'-acetonaphthone	oral	LD ₅₀	rat	/	8080 mg/kg	/	/

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2'-acetonaphthone	dermal	LD ₅₀	mouse	/	599 mg/kg	/	/
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	oral	LD ₅₀	rat	/	5000 mg/kg	/	/
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	dermal	LD ₅₀	rabbit	/	5000 mg/kg	/	/
benzyl alcohol	oral	/	/	/	1570 mg/kg	/	/
benzyl alcohol	dermal	/	/	/	mg/kg	/	/
benzyl alcohol	inhalation	/	/	/	mg/L	/	/
linalyl acetate	oral	LD ₅₀	rat	/	> 9000 mg/kg	/	/
linalyl acetate	dermal	LD ₅₀	rabbit	/	> 5000 mg/kg	/	/
linalyl acetate	oral	LD ₅₀	mouse	/	12000 mg/kg	/	/
methyl anthranilate	oral	/	/	/	2780 mg/kg	/	/

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geraniol	oral	/	/	/	3600 mg/kg	/	/
3-p-cumenyl-2-methylpropionaldehyde	oral	LD ₅₀	rat	/	3810 mg/kg	/	/
citronellol	/	ATE	/	/	3450 mg/kg	/	ETAO : 3 450,00 mg/kg(Déterminée) ETAC : 2 650,00 mg/kg(Déterminée) ETAI : Non déterminée
citronellol	/	ATE	/	/	2650 mg/kg	/	ETAO : 3 450,00 mg/kg(Déterminée) ETAC : 2 650,00 mg/kg(Déterminée) ETAI : Non déterminée
benzyl benzoate	oral	/	/	/	1160 mg/kg	/	/
benzyl benzoate	dermal	/	/	/	mg/kg	/	/
benzaldehyde	oral	LD ₅₀	rat	/	1292 mg/kg	/	/

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Name	Exposure route	Type	Species	Time	Value	Method	Remark
benzaldehyde	dermal	LD ₅₀	rabbit	/	1250 mg/kg	/	/
isopentyl salicylate	oral	LD ₅₀	rat	/	3300 mg/kg	/	/
Geranyl acetate	oral	LD ₅₀	rat	/	6330 mg/kg	/	/
Geranyl acetate	dermal	LD ₅₀	rabbit	/	> 5460 mg/kg	/	/
beta-methylionone	oral	LD ₅₀	rat	/	> 2000 mg/kg bw	/	/
methyl benzoate	oral	LD ₅₀	rat	/	1625 mg/kg	/	/
methyl benzoate	dermal	LD ₅₀	rabbit	/	5001 mg/kg	/	/
methyl benzoate	inhalation	LC ₅₀	rat	8 h	> 5.57 mg/L	/	/
2-tert-butylhydroquinone	oral	ATE	/	/	- 951 mg/kg	/	/
2-tert-butylhydroquinone	dermal	ATE	/	/	- 1100 mg/kg	/	/
2-tert-butylhydroquinone	oral	LD ₅₀	rat	/	- 951 mg/kg	/	/
2-tert-butylhydroquinone	dermal	LD ₅₀	guinea pig	/	1000 mg/kg	/	/
cinnamaldhyde	oral	/	/	/	2000 mg/kg	/	/

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006

Product name: Monoi Fragrance Oil

Creation date: 18.05.2026, Revision: 18.05.2026, Version: 1.0

Name	Exposure route	Type	Species	Time	Value	Method	Remark
nerol	oral	LD ₅₀	rat	/	4500 mg/kg	/	/
nerol	dermal	LD ₅₀	rabbit	/	5001 mg/kg	/	/
cinnamald ehyde	oral	LD ₅₀	rat	/	2221 mg/kg	/	/
cinnamald ehyde	dermal	LD ₅₀	rabbit	/	1261 mg/kg	/	/
cinnamald ehyde	inhalation	LC ₅₀	rat	/	68.9 mg/kg	/	/

Additional information

The product is not classified as acutely toxic.

(b) Skin corrosion/irritation

For components

Name	Species	Time	Result	Method	Remark
2-benzylidenehe ptanal	guinea pig	336 h	Mild irritating.	/	5%
2-benzylidenehe ptanal	guinea pig	24 h	Moderately irritating.	/	100 mg
2-benzylidenehe ptanal	rabbit	24 h	Severe irritation.	/	100 mg
nerol	/	/	Irritating.	OECD 404	/
cinnamaldehyd e	/	/	Irritating to skin.	OECD 404	/

Additional information

Causes skin irritation.

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ACCORDING TO REGULATION (EC) 1907/2006

Product name: Monoi Fragrance Oil

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(c) Serious eye damage/irritation

For components

Name	Exposure route	Species	Time	Result	Method	Remark
benzyl salicylate	/	/	/	Completely reversible within 7 days.	OECD 437	/
nerol	/	/	/	Irritating.	OECD 405 Acute Eye Irritation/Corrosion	/
cinnamaldehyde	/	/	/	Causes serious eye irritation.	OECD 405 Acute Eye Irritation/Corrosion	/

Additional information

Causes serious eye damage.

(d) Respiratory or skin sensitisation

For components

Name	Exposure route	Species	Time	Result	Method	Remark
benzyl salicylate	/	mouse	/	Sensitising.	OECD 429	/
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	/	/	/	CD54, EC200: 52.47 ug/mL; CV75: 62.3 ug/mL; CD54, result: active; result: active	hCLAT	Urbisch et al. 2015; Record ID: R_14313916
nerol	dermal	/	/	Causes sensitization	OECD 429	/

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Name	Exposure route	Species	Time	Result	Method	Remark
cinnamaldehyde	dermal	/	/	Causes sensitization	/	/

Additional information

It contains at least one ingredient that can cause sensitisation. Can cause allergic reaction. May cause an allergic skin reaction.

(e) (Germ cell) mutagenicity

No information.

(f) Carcinogenicity

No information.

(g) Reproductive toxicity

No information.

Summary of evaluation of the CMR properties

The product is not classified as carcinogenic, mutagenic or toxic for reproduction.

(h) STOT-single exposure

No information.

Additional information

STOT SE (single exposure): Not classified.

(i) STOT-repeated exposure

For components

Name	Exposure route	Type	Species	Time	Exposure	Organ	Value	Result	Method	Remark
3-ethoxy-4-hydroxybenzaldehyde	oral	NOAEL	rat	90 days	/	/	100 mg/kg bw	/	/	/

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Additional information

STOT RE (repeated exposure): Not classified.

(j) Aspiration hazard

No information.

Additional information

Aspiration hazard: Not classified. Endocrine disrupting properties: According to Regulation (EU) 2017/2100 or Regulation (EU) 2018/605, no substances are known to have endocrine disrupting properties.

Symptoms related to the physical, chemical and toxicological characteristics

No information.

Interactive effects

No information.

11.2 Information on other hazards

Endocrine disrupting properties

The product does not contain substances with the potential for endocrine disorders.

Other information

No information.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Acute (short-term) toxicity

For components

Name	Type	Value	Exposure time	Species	Organism	Method	Remark
(2E)-2-(phenylmethylidene) octanal	LC ₅₀	1.7 mg/L	96 h	fish	<i>Pimephales promelas</i>	/	flow-through

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Name	Type	Value	Exposure time	Species	Organism	Method	Remark
(2E)-2-(phenylmethylidene) octanal	EC ₅₀	0.38 mg/L	48 h	crustacea	<i>Daphnia magna</i>	/	flow-through
(2E)-2-(phenylmethylidene) octanal	NOEC	0.065 mg/L	72 h	algae	<i>Desmodesmus subspicatus</i>	/	/
2-phenylethanol	EC ₅₀	330 mg/L	24 h	crustacea	<i>Daphnia magna</i>	/	/
2-phenylethanol	EC ₅₀	490 mg/L	72 h	algae	<i>Scenedesmus subspicatus</i>	/	/
Ethyl 2-naphthyl ether	LC ₅₀	1.57 mg/L	96 h	fish	/	/	/
Ethyl 2-naphthyl ether	EC ₅₀	3.9 mg/L	48 h	crustacea	/	/	/
Ethyl 2-naphthyl ether	EC ₅₀	2.31 mg/L	72 h	algae	/	/	/
methyl salicylate	EC ₅₀	27 mg/L	72 h	algae	<i>Desmodesmus subspicatus</i>	/	/
methyl salicylate	EC ₅₀	28 mg/L	48 h	crustacea	<i>Daphnia magna</i>	/	/
methyl salicylate	LC ₅₀	19.8 mg/L	96 h	fish	<i>Pimephales promelas</i>	/	/

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ACCORDING TO REGULATION (EC) 1907/2006

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Name	Type	Value	Exposure time	Species	Organism	Method	Remark
methyl benzoate	LC ₅₀	23 mg/L	96 h	fish	<i>Danio rerio</i>	EC 440/2008 C.1	/
methyl benzoate	LC ₅₀	815 mg/L	3 h	other aquatic organisms	/	OECD 209	/
methyl benzoate	EC ₅₀	28.8 mg/L	48 h	daphnia	<i>Daphnia magna</i>	QSAR	/
methyl benzoate	ErC ₅₀	111.9 mg/L	72 h	algae	<i>Desmodesmus subspicatus</i>	EC 440/2008 C.3	/

Chronic (long-term) toxicity

For components

Name	Type	Value	Exposure time	Species	Organism	Method	Remark
(2E)-2-(phenylmethylidene) octanal	NOEC	0.063 mg/L	21 days	crustacea	<i>Daphnia magna</i>	/	/
methyl benzoate	NOEC	62.4 mg/L	3 days	algae	<i>Desmodesmus subspicatus</i>	EC 440/2008 C.3	/

Additional information

Toxic to aquatic life with long lasting effects.

12.2 Persistence and degradability

Abiotic degradation, physical- and photo-chemical elimination

No information.

Biodegradation

For components

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006

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Name	Type	Rate	Time	Evaluation	Method	Remark
(2E)-2-(phenylmethylydene)octanal	biodegradability	97 %	28 days	readily biodegradable	/	/
2-phenylethanol	biodegradation	87 %	14 days	/	/	100 mg/l
methyl salicylate	biodegradability	98.4 %	28 days	readily biodegradable	/	/
methyl benzoate	biodegradability	62 % CO ₂	/	biodegradable	EC 440/2008 C.4-C	/
methyl benzoate	biodegradability	> 60 %	10 days	biodegradable	EC 440/2008 C.4-C	/

12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log value)

For components

Name	Value	Temperature °C	pH	Concentration	Method
(2E)-2-(phenylmethylydene)octanal	4.9	/	/	/	/
2-phenylethanol	1.36	/	/	/	/
Ethyl 2-naphthyl ether	3.741	/	/	/	/
terpineol	2.6	/	/	/	/
methyl salicylate	2.55	/	/	/	/

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Name	Value	Temperature °C	pH	Concentration	Method
methyl benzoate	< 4	/	/	/	/

Bioconcentration factor (BCF)

For components

Name	Species	Organism	Value	Duration	Evaluation	Method	Remark
(2E)-2-(phenylmethylidene) octanal	BCF	/	704.3	/	/	/	QSAR
2-phenylethanol	BCF	/	6	/	Low bioaccumulation potential.	/	/
terpineol	BCF	/	24.13	/	Low bioaccumulation potential.	/	/
methyl salicylate	BCF	/	22.36	/	/	/	QSAR
methyl benzoate	-	/	/	/	Because of low log Kow bioaccumulation is not expected.	/	/

12.4 Mobility in soil

Known or predicted distribution to environmental compartments

No information.

Surface tension

For components

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006

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Name	Value	Temperature °C	Concentration	Method	Remark
2-phenylethanol	0.03807 N/m	25	/	/	/

Adsorption/Desorption

For components

Name	Type	Criterion	Value	Evaluation	Method	Remark
(2E)-2-(phenylmeth-ylidene)octa-nal	Soil	/	15000	/	/	Koc
Ethyl 2-naphthyl ether	Soil	/	2412	Low adsorption potential.	/	Koc
methyl salicylate	/	/	222	/	/	Koc
methyl benzoate	Soil	/	95	/	OECD 106	/

Additional information

The product has not been tested.

12.5 Results of PBT and vPvB assessment

No evaluation.

12.6 Endocrine disrupting properties

For product

According to Regulation (EU) 1907/2006, no substances are assessed as PBT or vPvB. According to Regulation (EU) 2017/2100 or Regulation (EU) 2018/605, no substances are known to have endocrine disrupting properties.

12.7 Other adverse effects

not available

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006

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12.8 Additional information

For product

Toxic to aquatic organisms: may cause long-term adverse effects in the aquatic environment. Do not allow to reach ground water, water courses or sewage system. Additional ecotoxicological information Not available

For components

methyl benzoate

This substance is not PBT-/vPvB.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product / Packaging disposal

Waste chemical

Do not allow product to reach drains/sewage systems. Disposal must be made according to official regulations: deliver it to authorised collector/remover/transformer of hazardous waste.

Waste codes / waste designations according to LoW

No information.

Packaging

Deliver completely emptied containers to approved waste disposal authorities. Uncleaned containers are classified as hazardous waste - they should be handled in the same manner as the contents.

Waste codes / waste designations according to LoW

No information.

Waste treatment-relevant information

No information.

Sewage disposal-relevant information

No information.

Other disposal recommendations

No information.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number or ID number

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006

Product name: Monoi Fragrance Oil

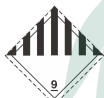
Creation date: 18.05.2026, Revision: 18.05.2026, Version: 1.0

ADR/RID	IMDG	IATA	ADN
UN 3082	UN 3082	UN 3082	UN 3082

14.2 UN proper shipping name

ADR/RID	IMDG	IATA	ADN
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

14.3 Transport hazard class(es)

ADR/RID	IMDG	IATA	ADN
9	9	9	9
 	 	 	 

14.4 Packing group

ADR/RID	IMDG	IATA	ADN
III	III	III	III

14.5 Environmental hazards

ADR/RID	IMDG	IATA	ADN
YES	Marine pollutant	YES	YES

14.6 Special precautions for user

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006

Product name: Monoi Fragrance Oil

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ADR/RID	IMDG	IATA	ADN
Limited quantities: 5 L Special provisions: 274, 335, 375, 601, 650 Packing Instructions: P001, IBC03, LP01, R001 Special packing provisions: PP1 Transport category: 3 Tunnel restriction code: (-) Classification code: M6	Limited quantities: 5 L EmS: F-A, S-F Flash point: 100 °C	Limited Quantity, Packing Instructions (Ltd Qty, Pkg Inst): Y964 Limited Quantity, Maximum Net Quantity/Package (Ltd Qty, Max Net Qty/Pkg): 30, kg, G Packing Instructions (Pkg Inst): 964 Maximum Net Quantity/Package (Max Net Qty/Pkg): 450, L Cargo Aircraft Only, Packing Instructions (CAO, Pkg Inst): 964 Cargo Aircraft Only, Maximum Net Quantity/Package (CAO, Max Net Qty/Pkg): 450, L Special provisions: A97, A158, A197, A215 Excepted quantities: E1 ERG code: 9L	Limited quantities: 5 L

14.7 Maritime transport in bulk according to IMO instruments

ADR/RID	IMDG	IATA	ADN
/	Goods may not be carried in bulk in bulk containers, containers or vehicles.	/	/

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ACCORDING TO REGULATION (EC) 1907/2006

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SECTION 15: REGULATORY INFORMATION

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

- Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (including last amendment Commission Regulation (EU) 2020/878)
- Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
- EH40/2005 Workplace exposure limits (Fourth Edition 2020)

Information according 2004/42/EC about limitation of emissions of volatile organic compounds (VOC-guideline)

not applicable

Ingredients according to Regulation (EC) No 648/2004 on detergents

No information.

Special instructions

Observe the regulations on employment and protection against dangerous substances for young people, pregnant women and nursing mothers.

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16: OTHER INFORMATION

Indication of changes

No information.

Key literature references and sources for data

No information.

Abbreviations and acronyms

ATE - Acute Toxicity Estimate
ADR - Agreement concerning the International Carriage of Dangerous Goods by Road
ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
CEN - European Committee for Standardisation
C&L - Classification and Labelling
CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
CAS# - Chemical Abstracts Service number
CMR - Carcinogen, Mutagen, or Reproductive Toxicant

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CSA - Chemical Safety Assessment
CSR - Chemical Safety Report
DMEL - Derived Minimal Effect Level
DNEL - Derived No Effect Level
DPD - Dangerous Preparations Directive 1999/45/EC
DSD - Dangerous Substances Directive 67/548/EEC
DU - Downstream User
EC - European Community
ECHA - European Chemicals Agency
EC-Number - EINECS and ELINCS Number (see also EINECS and ELINCS)
EEA - European Economic Area (EU + Iceland, Liechtenstein and Norway)
EEC - European Economic Community
EINECS - European Inventory of Existing Commercial Substances
ELINCS - European List of notified Chemical Substances
EN - European Standard
EQS - Environmental Quality Standard
EU - European Union
Euphrac - European Phrase Catalogue
EWC - European Waste Catalogue (replaced by LoW – see below)
GES - Generic Exposure Scenario
GHS - Globally Harmonized System
IATA - International Air Transport Association
ICAO-TI - Technical Instructions for the Safe Transport of Dangerous Goods by Air
IMDG - International Maritime Dangerous Goods
IMSBC - International Maritime Solid Bulk Cargoes
IT - Information Technology
IUCLID - International Uniform Chemical Information Database
IUPAC - International Union for Pure Applied Chemistry
JRC - Joint Research Centre
Kow - octanol-water partition coefficient
LC50 - Lethal Concentration to 50 % of a test population
LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose)
LE - Legal Entity
LoW - List of Wastes (see <http://ec.europa.eu/environment/waste/framework/list.htm>)
LR - Lead Registrant
M/I - Manufacturer / Importer
MS - Member States
MSDS - Material Safety Data Sheet
OC - Operational Conditions
OECD - Organization for Economic Co-operation and Development
OEL - Occupational Exposure Limit
OJ - Official Journal
OR - Only Representative
OSHA - European Agency for Safety and Health at work
PBT - Persistent, Bioaccumulative and Toxic substance
PEC - Predicted Effect Concentration
PNEC(s) - Predicted No Effect Concentration(s)
PPE - Personal Protection Equipment
(Q)SAR - Qualitative Structure Activity Relationship
REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals (Regulation (EC) No

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1907/2006)

RID - Regulations concerning the International Carriage of Dangerous Goods by Rail

RIP - REACH Implementation Project

RMM - Risk Management Measure

SCBA - Self-Contained Breathing Apparatus

SDS - Safety data sheet

SIEF - Substance Information Exchange Forum

SME - Small and Medium sized Enterprises

STOT - Specific Target Organ Toxicity

(STOT) RE - Repeated Exposure

(STOT) SE - Single Exposure

SVHC - Substances of Very High Concern

UN - United Nations

vPvB - Very Persistent and Very Bioaccumulative

List of relevant H phrases

H302 Harmful if swallowed.

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.