

Safety Data Sheet

Air Flor Aria di mare



Safety Data Sheet dated 9/5/2022, version 1

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

1.1. Product identifier

Mixture identification:

Trade name: Air Flor Aria di mare

Trade code: ZSDS97592

SAP Code: 97592

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

Recommended use:

Liquid deodorant

Uses advised against:

Anything not relevant to the recommended uses.

1.3. Details of the supplier of the safety data sheet

Company:

ZOBELE BULGARIA, EOOD

Rakovski Municipality Industrial zone, Warehouse 2

4142 Stryama (Bulgaria)

Phone n.+39 0461/303700 (Working hours)

Competent person responsible for the safety data sheet:

msds.it@zobele.com

1.4. Emergency telephone number

IR: ZOBELE HOLDING S.p.A - Tel. +39 0461/303700

MT: Maltese emergency number: 112 (24/7)

UK: ZOBELE HOLDING S.p.A - Tel. +39 0461/303700

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)

Skin Sens. 1B, H317 May cause an allergic skin reaction.

Aquatic Chronic 3, H412 Harmful to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:



Warning

Contains: 3,7-dimethylocta-1,6-dien-3-yl acetate

Hazard statements:

H317 May cause an allergic skin reaction.

H412 Harmful to aquatic life with long lasting effects.

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Precautionary statements:

- P101 If medical advice is needed, have product container or label at hand.
- P102 Keep out of reach of children.
- P273 Avoid release to the environment.
- P302+P352 IF ON SKIN: Wash with plenty of water and soap.
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
- P501 Dispose of contents and container in accordance with local regulation.

Special Provisions:

Contains (Annex II 2.8 Regulation (EU) 1272/2008):

2,4-dimethylcyclohex-3-ene-1-carbaldehyde
benzyl salicylate
(R)-p-mentha-1,8-diene
1-Methyl-4-(1-methylethylidene)cyclohexene
p-mentha-1,3-diene
Citronellal
(2S)-2,6-dimethylhept-5-enal
5,8-Methano-2h-1-Benzopyran, 6(Or 7)-Ethylideneoctahydro-, (4ar,5s,8r,8as)-Rel-
2,6-Octadien-1-ol-3,7-dimethylacetate
3-p-Cumenyl-2-methylpropionaldehyde
cineole
linalool
beta pinene
alpha-pinene

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

2.3. Other hazards

No PBT, vPvB or endocrine disruptor substances present in concentration $\geq 0.1\%$

Other Hazards:

No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

N.A.

3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name	Ident. Number	Classification
$\geq 3\%$ - $< 5\%$	3-methyl-5-phenyl-1-pentanol	CAS: 55066-48-3 EC: 259-461-3	Acute Tox. 4 H302 Harmful if swallowed.
$\geq 1\%$ - $< 3\%$	Benzyl acetate	CAS: 140-11-4 EC: 205-399-7 REACH No.: 01-21196382 72-42-XXXX	Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.
$\geq 1\%$ - $< 3\%$	3,7-dimethylocta-1,6-dien-3-yl acetate	CAS: 115-95-7 EC: 204-116-4 REACH No.: 01-21194547	Skin Irrit. 2 H315 Causes skin irritation. Eye Irrit. 2 H319 Causes serious

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		89-19-XXXX	eye irritation. Skin Sens. 1B H317 May cause an allergic skin reaction.
>= 1% - < 3%	1-decanal	CAS: 112-31-2 EC: 203-957-4 REACH No.: 01-21199677 71-26-XXXX	Eye Irrit. 2 H319 Causes serious eye irritation. Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.
>= 1% - < 3%	Isononyl Acetate	CAS: 58430-94-7 EC: 261-245-9 REACH No.: 01-21199723 25-34-XXXX	Skin Irrit. 2 H315 Causes skin irritation. Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.
>= 1% - < 3%	dimethyl benzyl carbonyl butyrate	CAS: 10094-34-5 EC: 233-221-8	Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.
>= 0,5% - < 1%	(R)-p-mentha-1,8-dien e	Index number: 601-029-00-7 CAS: 5989-27-5 EC: 227-813-5 REACH No.: 01-21195292 23-47-XXXX	Flam. Liq. 3 H226 Flammable liquid and vapour. Asp. Tox. 1 H304 May be fatal if swallowed and enters airways. Skin Irrit. 2 H315 Causes skin irritation. Skin Sens. 1 H317 May cause an allergic skin reaction. Aquatic Acute 1 H400 Very toxic to aquatic life. Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.
>= 0,5% - < 1%	2,4-dimethylcyclohex-3 -ene-1-carbaldehyde	CAS: 68039-49-6 EC: 268-264-1	Skin Irrit. 2 H315 Causes skin irritation. Skin Sens. 1 H317 May cause an allergic skin reaction. Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.
>= 0,5% - < 1%	benzyl salicylate	CAS: 118-58-1 EC: 204-262-9 REACH No.: 01-21199694 42-31-XXXX	Eye Irrit. 2 H319 Causes serious eye irritation. Skin Sens. 1B H317 May cause an allergic skin reaction. Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.
>= 0,5% - < 1%	1-Methyl-4-(1-methylet hylidene)cyclohexene	CAS: 586-62-9 EC: 209-578-0 REACH No.: 01-21199823 25-32-XXXX	Skin Sens. 1B H317 May cause an allergic skin reaction. Aquatic Acute 1 H400 Very toxic to aquatic life. Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

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			Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.
>= 0,5% - < 1%	2,6-di-tert-butyl-p-cresol (BHT)	CAS: 128-37-0 EC: 204-881-4 REACH No.: 01-21194804 33-40-XXXX	Aquatic Acute 1 H400 Very toxic to aquatic life. Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.
>= 0,3% - < 0,5%	(2S)-2,6-dimethylhept-5-enal	CAS: 106-72-9 EC: 203-427-2 REACH No.: 01-21202703 05-62-XXXX	Skin Sens. 1B H317 May cause an allergic skin reaction.
>= 0,3% - < 0,5%	1-isopropyl-4-methyl-cyclohexa-1,4-diene	CAS: 99-85-4 EC: 202-794-6	Flam. Liq. 3 H226 Flammable liquid and vapour. Asp. Tox. 1 H304 May be fatal if swallowed and enters airways. Repr. 2 H361 Suspected of damaging fertility or the unborn child. Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.
>= 0,3% - < 0,5%	p-mentha-1,3-diene	Index number: 601-095-00-7 CAS: 99-86-5 EC: 202-795-1	Flam. Liq. 3 H226 Flammable liquid and vapour. Skin Sens. 1 H317 May cause an allergic skin reaction. Acute Tox. 4 H302 Harmful if swallowed. Asp. Tox. 1 H304 May be fatal if swallowed and enters airways. Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects. Acute Toxicity Estimate: ATE - Oral 1680 mg/kg bw
>= 0,3% - < 0,5%	linalool	Index number: 603-235-00-2 CAS: 78-70-6 EC: 201-134-4 REACH No.: 01-21194740 16-42-XXXX	Skin Irrit. 2 H315 Causes skin irritation. Eye Irrit. 2 H319 Causes serious eye irritation. Skin Sens. 1B H317 May cause an allergic skin reaction.
>= 0,3% - < 0,5%	3-p-Cumenyl-2-methyl propionaldehyde	CAS: 103-95-7 EC: 203-161-7 REACH No.: 01-21199705 82-32-XXXX	Skin Irrit. 2 H315 Causes skin irritation. Skin Sens. 1B H317 May cause an allergic skin reaction. Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.
>= 0,3%	5,8-Methano-2h-1-Ben	CAS: 943723-15-7	Skin Sens. 1B H317 May cause an

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- < 0,5%	zopyran, 6(Or 7)-Ethylideneoctahydro-, (4ar,5s,8r,8as)-Rel-		allergic skin reaction. Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.
>= 0,3% - < 0,5%	2,6-Octadien-1-ol-3,7-dimethylacetate	CAS: 105-87-3 EC: 203-341-5 REACH No.: 01-21199734 80-35-XXXX	Skin Irrit. 2 H315 Causes skin irritation. Skin Sens. 1 H317 May cause an allergic skin reaction. Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.
>= 0,3% - < 0,5%	Citronellal	CAS: 106-23-0 EC: 203-376-6 REACH No.: 01-21194749 00-37-XXXX	Skin Irrit. 2 H315 Causes skin irritation. Eye Irrit. 2 H319 Causes serious eye irritation. Skin Sens. 1 H317 May cause an allergic skin reaction.
>= 0,3% - < 0,5%	1-isopropyl-4-methylbenzene; p-cymene	Index number: 601-094-00-1 CAS: 99-87-6 EC: 202-796-7	Flam. Liq. 3 H226 Flammable liquid and vapour. Repr. 2 H361 Suspected of damaging fertility or the unborn child. Acute Tox. 3 H331 Toxic if inhaled. Asp. Tox. 1 H304 May be fatal if swallowed and enters airways. Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects. Acute Toxicity Estimate: ATE - Inhalation (Vapours) 3 mg/l
>= 0,3% - < 0,5%	cineole	CAS: 470-82-6 EC: 207-431-5	Flam. Liq. 3 H226 Flammable liquid and vapour. Eye Irrit. 2 H319 Causes serious eye irritation. Skin Sens. 1B H317 May cause an allergic skin reaction.
>= 0,3% - < 0,5%	beta pinene	CAS: 18172-67-3 EC: 242-060-2	Flam. Liq. 3 H226 Flammable liquid and vapour. Skin Irrit. 2 H315 Causes skin irritation. Skin Sens. 1 H317 May cause an allergic skin reaction. Asp. Tox. 1 H304 May be fatal if swallowed and enters airways. Aquatic Acute 1 H400 Very toxic to aquatic life. Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting

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			effects.
>= 0,1% - < 0,25%	alpha-pinene	CAS: 7785-26-4 EC: 232-077-3 REACH No.: 01-21199795 19-16-XXXX	Flam. Liq. 3 H226 Flammable liquid and vapour. Acute Tox. 4 H302 Harmful if swallowed. Asp. Tox. 1 H304 May be fatal if swallowed and enters airways. Skin Irrit. 2 H315 Causes skin irritation. Skin Sens. 1 H317 May cause an allergic skin reaction. Aquatic Acute 1 H400 Very toxic to aquatic life. Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Remove contaminated clothing immediately and dispose off safely.

In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

None

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Carbon dioxide (CO₂).

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

Burning produces heavy smoke.

Do not inhale explosion and combustion gases.

5.3. Advice for firefighters

Use fire fighter's clothing conforming to European standard EN469.

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SECTION 6: Accidental release measures

- 6.1. Personal precautions, protective equipment and emergency procedures
 - For non emergency personnel:
 - See protective measures under point 7 and 8.
 - Wear breathing apparatus if exposed to vapours/dusts/aerosols.
 - Remove persons to safety.
 - For emergency responders:
 - Wear personal protection equipment.
- 6.2. Environmental precautions
 - Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.
 - In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.
 - Suitable material for taking up: absorbing material, organic, sand
 - Retain contaminated washing water and dispose it.
- 6.3. Methods and material for containment and cleaning up
 - For cleaning up:
 - Wash with plenty of water.
- 6.4. Reference to other sections
 - See also section 8 and 13

SECTION 7: Handling and storage

- 7.1. Precautions for safe handling
 - Avoid contact with skin and eyes, inhalation of vapours and mists.
 - Don't use empty container before they have been cleaned.
 - Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.
 - See also section 8 for recommended protective equipment.
 - Advice on general occupational hygiene:
 - Contaminated clothing should be changed before entering eating areas.
 - Do not eat or drink while working.
- 7.2. Conditions for safe storage, including any incompatibilities
 - Keep container tightly closed. Keep container dry. Keep away from heat. Protect from direct sunlight.
 - Keep in the original container well closed. Do not store in open or unlabelled containers.
 - Keep containers in a vertical and safe position avoiding the possibility of falls or bumps.
 - Store in a cool place away from any source of heat and direct exposure to sunlight.
 - Keep in the original container well closed. Do not store in open or unlabelled containers.
 - Keep containers in a vertical and safe position avoiding the possibility of falls or bumps. Keep away from naked flames, sparks and heat sources. Avoid exposure to direct sunlight.
 - Do not contaminate food, beverages or containers intended to contain them during use.
 - Keep away from food, drink and feed.
 - Incompatible materials:
 - None in particular.
 - Instructions as regards storage premises:
 - Adequately ventilated premises.
- 7.3. Specific end use(s)
 - None in particular

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Benzyl acetate - CAS: 140-11-4

ACGIH - TWA(8h): 10 ppm - Notes: A4 - URT irr

VLEP - TWA(8h): 62 mg/m³, 10 ppm - Notes: Spain

National - TWA(8h): 62 mg/m³, 10 ppm - Notes: Belgium

National - TWA(8h): 61 mg/m³, 10 ppm - STEL: 122 mg/m³, 20 ppm - Notes: Denmark

National - TWA(8h): 50 mg/m³, 8 ppm - STEL(15min): 80 mg/m³, 13 ppm - Notes: Romania

Romania

Ontario - TWA: 10 ppm - Notes: Canada

(R)-p-mentha-1,8-diene - CAS: 5989-27-5

AGS - TWA(8h): 28 mg/m³, 5 ppm - STEL(15min): 110 mg/m³, 20 ppm - Notes: Germany

Germany

DFG - TWA(8h): 28 mg/m³, 5 ppm - STEL(15min): 112 mg/m³, 20 ppm - Notes: Germany

Germany

National - TWA(8h): 40 mg/m³, 7 ppm - STEL(15min): 80 mg/m³, 14 ppm - Notes: Switzerland

Switzerland

National - TWA(8h): 140 mg/m³, 25 ppm - STEL(15min): 280 mg/m³, 50 ppm - Notes: Finland

Finland

2,6-di-tert-butyl-p-cresol (BHT) - CAS: 128-37-0

ACGIH - TWA(8h): 2 mg/m³ - Notes: (IFV), A4 - URT irr

DNEL Exposure Limit Values

3-methyl-5-phenyl-1-pentanol - CAS: 55066-48-3

Worker Professional: 0.88 mg/m³ - Consumer: 0.21 mg/m³ - Exposure: Human

Inhalation - Frequency: Long Term, systemic effects

Worker Professional: 5.3 mg/m³ - Consumer: 1.3 mg/m³ - Exposure: Human Inhalation

- Frequency: Short Term, systemic effects

Worker Professional: 0.5 mg/kg - Consumer: 0.25 mg/kg - Exposure: Human Dermal -

Frequency: Long Term, systemic effects

Worker Professional: 3 mg/kg - Consumer: 1.5 mg/kg - Exposure: Human Dermal -

Frequency: Short Term, systemic effects

Worker Professional: 0.13 mg/cm² - Consumer: 0.065 mg/cm² - Exposure: Human

Dermal - Frequency: Long Term, local effects

Consumer: 0.39 mg/cm² - Exposure: Human Dermal - Frequency: Short Term, local effects

Consumer: 0.06 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

Consumer: 0.375 mg/kg - Exposure: Human Oral - Frequency: Short Term, systemic effects

Benzyl acetate - CAS: 140-11-4

Worker Professional: 9 mg/m³ - Consumer: 2.2 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Professional: 2.5 mg/kg - Consumer: 1.3 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Consumer: 1.3 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

3,7-dimethylocta-1,6-dien-3-yl acetate - CAS: 115-95-7

Worker Professional: 2.75 mg/m³ - Consumer: 0.68 mg/m³ - Exposure: Human

Inhalation - Frequency: Long Term, systemic effects

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Worker Professional: 2.5 mg/kg - Consumer: 1.25 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Professional: 236.2 N.A. - Consumer: 236.2 N.A. - Exposure: Human Dermal - Frequency: Long Term, local effects

Worker Professional: 236.2 N.A. - Consumer: 236.2 N.A. - Exposure: Human Dermal - Frequency: Short Term, local effects

Consumer: 0.2 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

1-decanal - CAS: 112-31-2

Worker Professional: 24.86 mg/m³ - Consumer: 6.13 mg/m³ - Exposure: Human

Inhalation - Frequency: Long Term, systemic effects - Endpoint: repeated dose toxicity

Worker Professional: 49.71 mg/m³ - Consumer: 12.26 mg/m³ - Exposure: Human

Inhalation - Frequency: Short Term, systemic effects - Endpoint: repeated dose toxicity

Worker Professional: 62.14 mg/m³ - Consumer: 15.32 mg/m³ - Exposure: Human

Inhalation - Frequency: Long Term, local effects

Worker Professional: 124.28 mg/m³ - Consumer: 30.65 mg/m³ - Exposure: Human

Inhalation - Frequency: Short Term, local effects

Worker Professional: 7.05 mg/kg - Consumer: 3.52 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Professional: 14.1 mg/kg - Consumer: 7.02 mg/kg - Exposure: Human Dermal - Frequency: Short Term, systemic effects

Worker Professional: 17.62 mg/cm² - Consumer: 8.81 mg/cm² - Exposure: Human Dermal - Frequency: Long Term, local effects

Worker Professional: 35.24 mg/cm² - Consumer: 17.62 mg/cm² - Exposure: Human Dermal - Frequency: Short Term, local effects

Consumer: 3.52 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

Consumer: 7.05 mg/kg - Exposure: Human Oral - Frequency: Short Term, systemic effects

Isononyl Acetate - CAS: 58430-94-7

Worker Professional: 5.64 mg/m³ - Consumer: 1.4 mg/m³ - Exposure: Human

Inhalation - Frequency: Long Term, systemic effects

Worker Professional: 0.8 mg/kg - Consumer: 0.4 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Consumer: 0.4 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

dimethyl benzyl carbonyl butyrate - CAS: 10094-34-5

Worker Professional: 4.4 mg/m³ - Consumer: 2.2 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects - Endpoint: repeated dose toxicity

Worker Professional: 8.33 mg/kg - Consumer: 4.17 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects - Endpoint: repeated dose toxicity

Consumer: 4.17 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects - Endpoint: repeated dose toxicity

(R)-p-mentha-1,8-diene - CAS: 5989-27-5

Worker Professional: 66.7 mg/m³ - Consumer: 16.6 mg/m³ - Exposure: Human

Inhalation - Frequency: Long Term, systemic effects

Worker Professional: 9.5 mg/kg - Consumer: 4.8 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Consumer: 4.8 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

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benzyl salicylate - CAS: 118-58-1

Worker Professional: 3.17 mg/m³ - Consumer: 0.78 mg/m³ - Exposure: Human

Inhalation - Frequency: Long Term, systemic effects

Worker Professional: 0.9 mg/kg - Consumer: 0.45 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Consumer: 0.45 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

1-Methyl-4-(1-methylethylidene)cyclohexene - CAS: 586-62-9

Worker Professional: 3.6 mg/m³ - Consumer: 0.9 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects - Endpoint: repeated dose toxicity

Worker Professional: 0.52 mg/kg bw/day - Consumer: 0.26 mg/kg bw/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects - Endpoint: repeated dose toxicity

Worker Professional: 44 µg/cm² - Exposure: Human Dermal - Frequency: Long Term, local effects - Endpoint: sensitisation (skin)

Consumer: 0.26 mg/kg bw/day - Exposure: Human Oral - Frequency: Long Term, systemic effects - Endpoint: repeated dose toxicity

2,6-di-tert-butyl-p-cresol (BHT) - CAS: 128-37-0

Worker Professional: 3.5 mg/m³ - Consumer: 0.86 mg/m³ - Exposure: Human

Inhalation - Frequency: Long Term, systemic effects

Worker Professional: 0.5 mg/kg - Consumer: 0.25 mg/kg

Consumer: 0.25 mg/kg

(2S)-2,6-dimethylhept-5-enal - CAS: 106-72-9

Worker Professional: 7.05 mg/m³ - Consumer: 1.74 mg/m³ - Exposure: Human

Inhalation - Frequency: Long Term, systemic effects - Endpoint: repeated dose toxicity

Worker Professional: 21.16 mg/m³ - Consumer: 5.22 mg/m³ - Exposure: Human

Inhalation - Frequency: Short Term, systemic effects - Endpoint: repeated dose toxicity

Worker Professional: 17.63 mg/m³ - Consumer: 4.35 mg/m³ - Exposure: Human

Inhalation - Frequency: Long Term, local effects - Endpoint: repeated dose toxicity

Worker Professional: 52.89 mg/m³ - Consumer: 13.04 mg/m³ - Exposure: Human

Inhalation - Frequency: Short Term, local effects - Endpoint: repeated dose toxicity

Worker Professional: 2 mg/kg - Consumer: 1 mg/kg - Exposure: Human Dermal -

Frequency: Long Term, systemic effects - Endpoint: repeated dose toxicity

Worker Professional: 170 mg/kg - Consumer: 85 mg/kg - Exposure: Human Dermal -

Frequency: Short Term, systemic effects - Endpoint: repeated dose toxicity

Worker Professional: 141.67 mg/cm² - Consumer: 70.83 mg/cm² - Exposure: Human

Dermal - Frequency: Long Term, local effects - Endpoint: repeated dose toxicity

Worker Professional: 425 mg/cm² - Consumer: 212.5 mg/cm² - Exposure: Human

Dermal - Frequency: Short Term, local effects - Endpoint: repeated dose toxicity

Consumer: 1 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

- Endpoint: repeated dose toxicity

Consumer: 85 mg/kg - Exposure: Human Oral - Frequency: Short Term, systemic

effects - Endpoint: repeated dose toxicity

1-isopropyl-4-methyl-cyclohexa-1,4-diene - CAS: 99-85-4

Worker Professional: 2.939 mg/m³ - Consumer: 0.725 mg/m³ - Exposure: Human

Inhalation - Frequency: Long Term, systemic effects

Worker Professional: 0.833 mg/kg - Consumer: 0.417 mg/kg - Exposure: Human

Dermal - Frequency: Long Term, systemic effects

Consumer: 0.417 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

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linalool - CAS: 78-70-6

Worker Professional: 2.8 mg/m³ - Consumer: 0.7 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Professional: 16.5 mg/m³ - Consumer: 4.1 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, systemic effects

Worker Professional: 2.5 mg/kg - Consumer: 1.25 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Professional: 3 mg/cm² - Consumer: 1.5 mg/m³ - Exposure: Human Dermal - Frequency: Long Term, local effects

Worker Professional: 5 mg/kg - Consumer: 2.5 mg/kg - Exposure: Human Dermal - Frequency: Short Term, systemic effects

Worker Professional: 3 mg/cm² - Consumer: 1.5 mg/cm² - Exposure: Human Dermal - Frequency: Short Term, local effects

Consumer: 0.2 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

Consumer: 1.2 mg/kg - Exposure: Human Oral - Frequency: Short Term, systemic effects

3-p-Cumenyl-2-methylpropionaldehyde - CAS: 103-95-7

Worker Professional: 5.83 mg/m³ - Consumer: 1.45 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Professional: 1.67 mg/kg - Consumer: 0.83 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Professional: 7.43 N.A. - Consumer: 3.72 N.A. - Exposure: Human Dermal - Frequency: Long Term, local effects

Consumer: 0.83 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

2,6-Octadien-1-ol-3,7-dimethylacetate - CAS: 105-87-3

Worker Professional: 62.59 mg/m³ - Consumer: 15.4 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Professional: 35.5 mg/kg - Consumer: 17.75 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Consumer: 8.9 mg/kg - Exposure: Human Oral - Frequency: Long Term (repeated)

Citronellal - CAS: 106-23-0

Worker Professional: 9 mg/m³ - Consumer: 2.7 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects - Endpoint: repeated dose toxicity

Worker Professional: 1.7 mg/kg - Consumer: 1 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects - Endpoint: repeated dose toxicity

Worker Professional: 140 N.A. - Consumer: 140 N.A. - Exposure: Human Dermal - Frequency: Long Term, local effects - Endpoint: sens

Consumer: 0.6 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects - Endpoint: repeated dose toxicity

1-isopropyl-4-methylbenzene; p-cymene - CAS: 99-87-6

Worker Professional: 0.59 mg/m³ - Consumer: 0.15 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects - Endpoint: effect on fertility

Worker Professional: 1.47 mg/m³ - Consumer: 0.36 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local effects - Endpoint: effect on fertility

Worker Professional: 0.17 mg/kg bw/day - Consumer: 0.083 mg/kg bw/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects - Endpoint: effect on fertility

Worker Professional: 2.33 µg/cm² - Consumer: 1.17 µg/cm² - Exposure: Human Dermal - Frequency: Long Term, local effects - Endpoint: effect on fertility

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Consumer: 0.083 mg/kg bw/day - Exposure: Human Oral - Frequency: Long Term, systemic effects - Endpoint: effect on fertility

cineole - CAS: 470-82-6
Worker Professional: 7.05 mg/m³ - Consumer: 1.74 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Worker Professional: 2 mg/kg - Consumer: 1 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Consumer: 600 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

beta pinene - CAS: 18172-67-3
Worker Professional: 5.69 mg/m³ - Consumer: 1 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Worker Professional: 0.8 mg/kg - Consumer: 0.3 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Worker Professional: 54 N.A. - Consumer: 27 N.A. - Exposure: Human Dermal - Frequency: Long Term, local effects
Consumer: 0.3 mg/cm² - Exposure: Human Oral - Frequency: Long Term, systemic effects

alpha-pinene - CAS: 7785-26-4
Worker Professional: 3.8 mg/m³ - Consumer: 0.674 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects - Endpoint: effort
Worker Professional: 0.542 mg/kg - Consumer: 0.225 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects - Endpoint: effort
Consumer: 0.225 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects - Endpoint: effort

PNEC Exposure Limit Values

3-methyl-5-phenyl-1-pentanol - CAS: 55066-48-3
Target: Fresh Water - Value: 0.013 mg/l
Target: Marine water - Value: 0.001 mg/l
Target: STP - Value: 10 mg/l
Target: Freshwater sediments - Value: 1.034 mg/kg
Target: Marine water sediments - Value: 0.103 mg/kg
Target: Soil (agricultural) - Value: 0.199 mg/kg
Target: Food chain - Value: 10 mg/kg - Notes: predators

Benzyl acetate - CAS: 140-11-4
Target: Fresh Water - Value: 0.018 mg/l
Target: Marine water - Value: 0.002 mg/l
Target: Freshwater sediments - Value: 0.526 mg/kg
Target: Marine water sediments - Value: 0.053 mg/kg
Target: STP - Value: 8.55 mg/l
Target: Soil (agricultural) - Value: 0.094 mg/kg

3,7-dimethylocta-1,6-dien-3-yl acetate - CAS: 115-95-7
Target: Fresh Water - Value: 0.011 mg/l
Target: Marine water - Value: 0.001 mg/l
Target: Freshwater sediments - Value: 0.609 mg/kg
Target: Marine water - Value: 0.061 mg/kg
Target: STP - Value: 10 mg/l
Target: Soil (agricultural) - Value: 0.115 mg/kg

1-decanal - CAS: 112-31-2
Target: Fresh Water - Value: 1.17 µg/L

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Target: Marine water - Value: 0.117 µg/L
Target: STP - Value: 3.16 mg/l
Target: Freshwater sediments - Value: 0.097 mg/kg
Target: Marine water sediments - Value: 0.01 mg/kg
Target: Soil (agricultural) - Value: 0.019 mg/kg
Target: Food chain - Value: 313 mg/kg - Notes: predators

Isononyl Acetate - CAS: 58430-94-7
Target: Fresh Water - Value: 7.7 N.A.
Target: Marine water - Value: 0.77 N.A.
Target: STP - Value: 10 mg/l
Target: Freshwater sediments - Value: 2.895 mg/kg
Target: Marine water sediments - Value: 0.29 mg/kg
Target: Soil (agricultural) - Value: 0.573 mg/kg

dimethyl benzyl carbonyl butyrate - CAS: 10094-34-5
Target: Fresh Water - Value: 4.766 µg/L - Notes: Assessment factor: 1 000
Target: STP - Value: 31.25 mg/l - Notes: Assessment factor: 10
Target: Freshwater sediments - Value: 0.189 mg/kg
Target: Soil (agricultural) - Value: 0.103 mg/kg

(R)-p-mentha-1,8-diene - CAS: 5989-27-5
Target: Fresh Water - Value: 14 µg/L
Target: Marine water - Value: 1.4 µg/L
Target: STP - Value: 1.8 mg/l
Target: Freshwater sediments - Value: 3.85 mg/kg
Target: Marine water sediments - Value: 0.385 mg/kg
Target: Soil (agricultural) - Value: 0.763 mg/kg
Target: Food chain - Value: 133 mg/kg

benzyl salicylate - CAS: 118-58-1
Target: Fresh Water - Value: 0.001 mg/l
Target: Marine water - Value: 0 mg/l
Target: STP - Value: 10 mg/l
Target: Freshwater sediments - Value: 0.583 mg/kg
Target: Marine water sediments - Value: 0.058 mg/kg
Target: Soil (agricultural) - Value: 1.41 mg/kg
Target: Food chain - Value: 80 mg/kg - Notes: predators

1-Methyl-4-(1-methylethylidene)cyclohexene - CAS: 586-62-9
Target: Fresh Water - Value: 0.634 µg/L - Notes: Assessment factor: 1 000
Target: Marine water - Value: 0.63 µg/L - Notes: Assessment factor: 10 000
Target: STP - Value: 0.2 mg/l - Notes: Assessment factor: 10
Target: Freshwater sediments - Value: 147 µg/kg
Target: Marine water sediments - Value: 14.7 µg/kg
Target: Soil (agricultural) - Value: 29.1 µg/kg
Target: Food chain - Value: 10.31 mg/kg - Notes: Assessment factor: 300

2,6-di-tert-butyl-p-cresol (BHT) - CAS: 128-37-0
Target: Fresh Water - Value: 0.199 µg/L
Target: Marine water - Value: 0.02 µg/L
Target: Intermittent releases - Value: 1.99 µg/L
Target: STP - Value: 0.17 mg/l
Target: Freshwater sediments - Value: 99.6 µg/kg
Target: Marine water sediments - Value: 9.96 µg/kg
Target: Food chain - Value: 8.33 mg/kg

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(2S)-2,6-dimethylhept-5-enal - CAS: 106-72-9
Target: Fresh Water - Value: 0.002 mg/l
Target: Marine water - Value: 0 mg/l
Target: STP - Value: 10 mg/l
Target: Freshwater sediments - Value: 0.045 mg/kg
Target: Marine water sediments - Value: 0.004 mg/kg
Target: Soil (agricultural) - Value: 0.021 mg/kg
Target: Food chain - Value: 10 mg/kg - Notes: predators

1-isopropyl-4-methyl-cyclohexa-1,4-diene - CAS: 99-85-4
Target: Fresh Water - Value: 0.003
Target: Marine water - Value: 0
Target: STP - Value: 10
Target: Freshwater sediments - Value: 0.49
Target: Marine water sediments - Value: 0.049
Target: Soil (agricultural) - Value: 0.423

linalool - CAS: 78-70-6
Target: Fresh Water - Value: 0.2 mg/l
Target: Marine water - Value: 0.02 mg/l
Target: STP - Value: 10 mg/l
Target: Freshwater sediments - Value: 2.22 mg/kg
Target: Marine water sediments - Value: 0.222 mg/kg
Target: Soil (agricultural) - Value: 0.327 mg/kg
Target: Food chain - Value: 7.8 mg/kg - Notes: predators
Target: Intermittent releases - Value: 2 mg/l - Notes: freshwater

3-p-Cumenyl-2-methylpropionaldehyde - CAS: 103-95-7
Target: Fresh Water - Value: 1.09 µg/L
Target: Marine water - Value: 0.11 µg/L
Target: STP - Value: 1 mg/l
Target: Freshwater sediments - Value: 0.126 mg/kg
Target: Marine water sediments - Value: 0.013 mg/kg
Target: Food chain - Value: 0.025 mg/kg - Notes: terrestrial organism
Target: Food chain - Value: 33.3 mg/kg - Notes: predators

2,6-Octadien-1-ol-3,7-dimethylacetate - CAS: 105-87-3
Target: Fresh Water - Value: 3.72 µg/L
Target: Marine water - Value: 0.372 µg/L
Target: STP - Value: 8 mg/l
Target: Freshwater sediments - Value: 0.442 mg/kg
Target: Marine water sediments - Value: 0.044 mg/kg
Target: Soil (agricultural) - Value: 0.086 mg/kg

Citronellal - CAS: 106-23-0
Target: Fresh Water - Value: 0.009 mg/l - Notes: Assessment factor:1 000
Target: Marine water - Value: 0.001 mg/l - Notes: Assessment factor:10 000
Target: STP - Value: 4 mg/l - Notes: Assessment factor:100
Target: Freshwater sediments - Value: 0.159 mg/kg
Target: Marine water sediments - Value: 0.016 mg/kg
Target: Soil (agricultural) - Value: 0.027 mg/kg

1-isopropyl-4-methylbenzene; p-cymene - CAS: 99-87-6
Target: Fresh Water - Value: 0.004 mg/l - Notes: Assessment factor: 1 000
Target: Marine water - Value: 0 mg/l - Notes: Assessment factor: 10 000
Target: STP - Value: 10 mg/l - Notes: Assessment factor: 10

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Target: Freshwater sediments - Value: 1.52 mg/kg
Target: Marine water sediments - Value: 0.152 mg/kg
Target: Soil (agricultural) - Value: 0.302 mg/kg

cineole - CAS: 470-82-6

Target: Fresh Water - Value: 57 µg/L
Target: Marine water - Value: 5.7 µg/L
Target: STP - Value: 10 mg/l
Target: Freshwater sediments - Value: 1.425 mg/kg
Target: Marine water sediments - Value: 0.142 mg/kg
Target: Soil (agricultural) - Value: 0.25 mg/kg
Target: Food chain - Value: 40 mg/kg - Notes: predators

beta pinene - CAS: 18172-67-3

Target: Fresh Water - Value: 1.004 µg/L
Target: Marine water - Value: 0.1 µg/L
Target: STP - Value: 3.26 mg/l
Target: Freshwater sediments - Value: 0.337 mg/kg
Target: Marine water sediments - Value: 0.034 mg/kg
Target: Soil (agricultural) - Value: 0.067 mg/kg
Target: Food chain - Value: 13.1 mg/kg

alpha-pinene - CAS: 7785-26-4

Target: Fresh Water - Value: 0.606 µg/L - Notes: Assessment factor:500
Target: Marine water - Value: 0.061 µg/L - Notes: Assessment factor:5 000
Target: STP - Value: 0.2 mg/l - Notes: Assessment factor:10
Target: Freshwater sediments - Value: 157 N.A.
Target: Marine water sediments - Value: 15.7 N.A.
Target: Soil (agricultural) - Value: 31.7 N.A.
Target: Food chain - Value: 8.76 mg/kg - Notes: Assessment factor:90

8.2. Exposure controls

Eye protection:

Eye glasses with side protection.

Protection for skin:

Chemical protection clothing.

Protection for hands:

Gloves (EN 374)

FKM (fluoro rubber).

Respiratory protection:

If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate. Respirator selection, use, and maintenance must be in accordance with regulatory requirements, if applicable. Types of respirators to be considered for this material include: Half-face filter respirator Type P filter material., European Committee for Standardization (CEN) standards EN 136, 140 and 405 provide respirator masks and EN 149 and 143 provide filter recommendations. For high airborne concentrations, use an approved supplied-air respirator, operated in positive pressure mode. Supplied air respirators with an escape bottle may be appropriate when oxygen levels are inadequate, gas/vapour warning properties are poor, or if air purifying filter capacity/rating may be exceeded.

Thermal Hazards:

None

Environmental exposure controls:

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Emissions from production processes, including those from ventilation should be checked for the purposes of compliance with the regulations environmental protection. Product residues should not be discharged without control in wastewater or water courses.

Appropriate engineering controls:
Operate in a well-ventilated place.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes
Physical state:	Liquid	--	--
Colour:	Light yellow	--	--
Odour:	Characteristic	--	--
Melting point/freezing point:	N.A.	--	--
Boiling point or initial boiling point and boiling range:	> 40°C	--	--
Flammability:	N.A.	--	--
Lower and upper explosion limit:	N.A.	--	--
Flash point:	75	--	--
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	N.A.	--	--
pH:	N.A.	--	--
Kinematic viscosity:	<= 14 mm ² /sec (40 °C)	--	--
Solubility in water:	N.A.	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient n-octanol/water (log value):	N.A.	--	--
Vapour pressure:	N.A.	--	--
Density and/or relative density:	0.944 - 0.954	--	--
Relative vapour density:	N.A.	--	--
Particle characteristics:			
Particle size:	N.A.	--	--

9.2. Other information
No other relevant information

SECTION 10: Stability and reactivity

10.1. Reactivity

In contact with strong oxidizing agents, reducing agents, strong acids or bases, are possible exothermic reactions.

10.2. Chemical stability

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No dangerous reaction if manipulated and stored according to regulations.
Stable under normal conditions.

10.3. Possibility of hazardous reactions

Exothermic reactions are possible in contact with strong oxidizing agents, reducing agents, acids or strong bases.

10.4. Conditions to avoid

Avoid contact with strong oxidizing agents, reducing agents, acids or strong bases.
Avoid overheating
Avoid exposure to open flames and heat sources.

10.5. Incompatible materials

Strong reducing agents and oxidants, strong bases and acids, high temperature materials

10.6. Hazardous decomposition products

COx.

SECTION 11: Toxicological information

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

Toxicological information of the product:

Air Flor Aria di mare

a) acute toxicity

Not classified

Based on available data, the classification criteria are not met

b) skin corrosion/irritation

Not classified

Based on available data, the classification criteria are not met

c) serious eye damage/irritation

Not classified

Based on available data, the classification criteria are not met

d) respiratory or skin sensitisation

The product is classified: Skin Sens. 1B H317

e) germ cell mutagenicity

Not classified

Based on available data, the classification criteria are not met

f) carcinogenicity

Not classified

Based on available data, the classification criteria are not met

g) reproductive toxicity

Not classified

Based on available data, the classification criteria are not met

h) STOT-single exposure

Not classified

Based on available data, the classification criteria are not met

i) STOT-repeated exposure

Not classified

Based on available data, the classification criteria are not met

j) aspiration hazard

Not classified

Based on available data, the classification criteria are not met

Toxicological information of the main substances found in the product:

3-methyl-5-phenyl-1-pentanol - CAS: 55066-48-3

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a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 1850 mg/kg

Test: LD50 - Route: Skin - Species: Rat = 3100 mg/kg

Benzyl acetate - CAS: 140-11-4

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 2000 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 5 g/kg

3,7-dimethylocta-1,6-dien-3-yl acetate - CAS: 115-95-7

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 9000 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 5000 mg/kg

Isononyl Acetate - CAS: 58430-94-7

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 4250 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 5000 mg/kg

dimethyl benzyl carbonyl butyrate - CAS: 10094-34-5

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat ca. 3.3 g/kg

Test: LD50 - Route: Skin - Species: Rabbit > 3000 mg/kg

(R)-p-mentha-1,8-diene - CAS: 5989-27-5

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 2000 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 5000 mg/kg - Notes: read-across

benzyl salicylate - CAS: 118-58-1

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 3031 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg

1-Methyl-4-(1-methylethylidene)cyclohexene - CAS: 586-62-9

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat 4.39 ml/kg

Test: LD50 - Route: Skin - Species: Rabbit > 4300 mg/kg

p-mentha-1,3-diene - CAS: 99-86-5

a) acute toxicity

ATE - Oral 1680 mg/kg bw

linalool - CAS: 78-70-6

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 2790 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit = 5610 mg/kg

3-p-Cumenyl-2-methylpropionaldehyde - CAS: 103-95-7

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 2000 mg/kg - Notes: practically nontoxic

Test: LD50 - Route: Skin - Species: Rabbit > 5000 mg/kg

2,6-Octadien-1-ol-3,7-dimethylacetate - CAS: 105-87-3

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 6330 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 6 ml/kg

Citronellal - CAS: 106-23-0

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat 2420 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit 2500 mg/kg

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1-isopropyl-4-methylbenzene; p-cymene - CAS: 99-87-6

a) acute toxicity

ATE - Inhalation (Vapours) 3 mg/l

Test: LD50 - Route: Oral - Species: Rat 4750 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit 5000 mg/kg

cineole - CAS: 470-82-6

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 4.3 g/kg

Test: LD50 - Route: Skin - Species: Rat > 2 g/kg

alpha-pinene - CAS: 7785-26-4

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 500 mg/kg

Test: LD50 - Route: Skin - Species: Rat > 200 mg/kg

11.2. Information on other hazards

Endocrine disrupting properties:

No endocrine disruptor substances present in concentration $\geq 0.1\%$

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

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The product is classified: Aquatic Chronic 3 - H412

3-methyl-5-phenyl-1-pentanol - CAS: 55066-48-3

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 13.3 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia = 13 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae = 11 mg/l - Duration h: 72

Benzyl acetate - CAS: 140-11-4

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia = 17 mg/l - Duration h: 48

Endpoint: LC50 - Species: Fish = 4 mg/l - Duration h: 96

Endpoint: EC50 - Species: Algae = 92 mg/l - Duration h: 72

3,7-dimethylocta-1,6-dien-3-yl acetate - CAS: 115-95-7

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia = 59 mg/l - Duration h: 48 - Notes: not harmful

Endpoint: LC50 11 mg/l - Duration h: 96

1-decanal - CAS: 112-31-2

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 1.45 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia = 1.17 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae = 1.79 mg/l - Duration h: 72

Isononyl Acetate - CAS: 58430-94-7

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 7.7 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia > 5.8 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae = 1.3 mg/l - Duration h: 72

dimethyl benzyl carbonyl butyrate - CAS: 10094-34-5

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish ca. 8.901 mg/l - Duration h: 96

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Endpoint: EC50 - Species: Daphnia magna ca. 15.4 mg/l - Duration h: 48
(R)-p-mentha-1,8-diene - CAS: 5989-27-5
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Daphnia 0.58 mg/l - Duration h: 48
benzyl salicylate - CAS: 118-58-1
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish = 1.03 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia = 1.16 mg/l - Duration h: 48
Endpoint: EC50 - Species: Algae = 1.29 mg/l - Duration h: 72
1-Methyl-4-(1-methylethylidene)cyclohexene - CAS: 586-62-9
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Danio rerio 0.805 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia magna 0.634 mg/l - Duration h: 48
Endpoint: EC50 - Species: Pseudokirchneriella subcapitata 0.302 mg/l - Duration h: 72
1-isopropyl-4-methyl-cyclohexa-1,4-diene - CAS: 99-85-4
a) Aquatic acute toxicity:
Endpoint: EC50 - Species: Fish 2.972 mg/l - Duration h: 96
linalool - CAS: 78-70-6
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish = 27.8 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia = 59 mg/l - Duration h: 48
3-p-Cumenyl-2-methylpropionaldehyde - CAS: 103-95-7
a) Aquatic acute toxicity:
Endpoint: EC50 - Species: Daphnia = 1.4 mg/l - Duration h: 48
Endpoint: EC50 - Species: Algae = 2.7 mg/l - Duration h: 72
Endpoint: EC50 - Species: Algae = 2.7 mg/l - Duration h: 96
2,6-Octadien-1-ol-3,7-dimethylacetate - CAS: 105-87-3
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish = 68.12 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia = 14.1 mg/l - Duration h: 48
Endpoint: EC50 - Species: Algae = 3.72 mg/l - Duration h: 72
Citronellal - CAS: 106-23-0
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish ca. 22 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia magna 8.7 mg/l - Duration h: 48
Endpoint: EC50 - Species: Desmodesmus subspica 6.74 mg/l - Duration h: 72
1-isopropyl-4-methylbenzene; p-cymene - CAS: 99-87-6
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Cyprinodon variegatus 48 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia magna 3.7 mg/l - Duration h: 48
Endpoint: EC50 - Species: Scenedesmus capricornutum 2.01 mg/l - Duration h: 72
cineole - CAS: 470-82-6
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish = 57 mg/l - Duration h: 96
Endpoint: EC50 - Species: Algae > 74 mg/l - Duration h: 72
alpha-pinene - CAS: 7785-26-4
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish 0.303 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia magna 0.475 mg/l - Duration h: 48 - Notes: 95 %
CL = 0.248-1.132

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Endpoint: NOEC - Species: Pseudokirchneriella subcapitata 0.131 mg/l - Duration h: 48

- 12.2. Persistence and degradability
N.A.
- 12.3. Bioaccumulative potential
N.A.
- 12.4. Mobility in soil
N.A.
- 12.5. Results of PBT and vPvB assessment
vPvB Substances: None - PBT Substances: None
- 12.6. Endocrine disrupting properties
No endocrine disruptor substances present in concentration $\geq 0.1\%$
- 12.7. Other adverse effects
None

SECTION 13: Disposal considerations

- 13.1. Waste treatment methods
Recover if possible. In so doing, comply with the local and national regulations currently in force.
- Additional disposal information:
The waste must not be released into the discharge channels.
Dispose of contents and container in accordance with applicable local and national regulations.

SECTION 14: Transport information

- 14.1. UN number or ID number
Not classified as dangerous in the meaning of transport regulations.
- 14.2. UN proper shipping name
N.A.
- 14.3. Transport hazard class(es)
N.A.
- 14.4. Packing group
N.A.
- 14.5. Environmental hazards
ADR-Environmental Pollutant: No
IMDG-Marine pollutant: No
- 14.6. Special precautions for user
N.A.
- 14.7. Maritime transport in bulk according to IMO instruments
N.A.

SECTION 15: Regulatory information

- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Dir. 98/24/EC (Risks related to chemical agents at work)
Dir. 2000/39/EC (Occupational exposure limit values)
Regulation (EC) n. 1907/2006 (REACH)
Regulation (EC) n. 1272/2008 (CLP)

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Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
Regulation (EU) n. 2020/878
Regulation (EU) n. 286/2011 (ATP 2 CLP)
Regulation (EU) n. 618/2012 (ATP 3 CLP)
Regulation (EU) n. 487/2013 (ATP 4 CLP)
Regulation (EU) n. 944/2013 (ATP 5 CLP)
Regulation (EU) n. 605/2014 (ATP 6 CLP)
Regulation (EU) n. 2015/1221 (ATP 7 CLP)
Regulation (EU) n. 2016/918 (ATP 8 CLP)
Regulation (EU) n. 2016/1179 (ATP 9 CLP)
Regulation (EU) n. 2017/776 (ATP 10 CLP)
Regulation (EU) n. 2018/669 (ATP 11 CLP)
Regulation (EU) n. 2018/1480 (ATP 13 CLP)
Regulation (EU) n. 2019/521 (ATP 12 CLP)
Regulation (EU) n. 2020/217 (ATP 14 CLP)
Regulation (EU) n. 2020/1182 (ATP 15 CLP)
Regulation (EU) n. 2021/643 (ATP 16 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product:

Restriction 3

Restriction 40

Restrictions related to the substances contained:

Restriction 75

Where applicable, refer to the following regulatory provisions :

Directive 2012/18/EU (Seveso III)

Regulation (EC) nr 648/2004 (detergents).

Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):

Seveso III category according to Annex 1, part 1

None

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

SECTION 16: Other information

Hazard class and hazard category	Code	Description
Flam. Liq. 3	2.6/3	Flammable liquid, Category 3
Acute Tox. 3	3.1/3/Inhal	Acute toxicity (inhalation), Category 3
Acute Tox. 4	3.1/4/Oral	Acute toxicity (oral), Category 4
Asp. Tox. 1	3.10/1	Aspiration hazard, Category 1
Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
Skin Sens. 1	3.4.2/1	Skin Sensitisation, Category 1
Skin Sens. 1B	3.4.2/1B	Skin Sensitisation, Category 1B
Repr. 2	3.7/2	Reproductive toxicity, Category 2

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Air Flor Aria di mare

Aquatic Acute 1	4.1/A1	Acute aquatic hazard, category 1
Aquatic Chronic 1	4.1/C1	Chronic (long term) aquatic hazard, category 1
Aquatic Chronic 2	4.1/C2	Chronic (long term) aquatic hazard, category 2
Aquatic Chronic 3	4.1/C3	Chronic (long term) aquatic hazard, category 3

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Skin Sens. 1B, H317	Calculation method
Aquatic Chronic 3, H412	Calculation method

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

EC DIN - Environmental Chemicals Data and Information Network - Joint Research Centre,
Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van
Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
PNEC:	Predicted No Effect Concentration.

Safety Data Sheet

Air Flor Aria di mare

RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
WGK:	German Water Hazard Class.