

Safety Data Sheet

Fresca Foglia Travel Ibiza



Safety Data Sheet dated 17/1/2019, version 1

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

1.1. Product identifier

Mixture identification:

Trade name: Fresca Foglia Travel Ibiza
Trade code: 1476

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

Recommended use:

Car air freshener

Uses advised against:

Strictly adhere to the recommended uses.

1.3. Details of the supplier of the safety data sheet

Supplier:

Arexons S.p.A.
via Antica di Cassano, 23, 20063
Cernusco sul Naviglio (MI), Italy

Arexons S.p.A.
Tel. +39 (0)2/924361 - Fax +39 (0)2/92436306

Competent person responsible for the safety data sheet:

arexons@arexons.it

1.4. Emergency telephone number

Arexons S.p.A.

Tel. +39 (0)2/924361 - Fax +39 (0)2/92436306

Centro Antiveleni di Pavia IRCCS- Fondazione Maugeri tel. +39 (0)382 24444 (h24; it, en)

In England and Wales: NHS 111 - dial 111

In Scotland: NHS 24 - dial 111

In Ireland: Beaumont Hospital - National Poisons Information Centre 01 809 2166 (7days, 8:00 - 22:00)

In South Africa: Poison Information Helpline 0861 555 777

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP):

- ⚠ Warning, Eye Irrit. 2, Causes serious eye irritation.
- ⚠ Warning, Skin Sens. 1B, May cause an allergic skin reaction.
- ⚠ Aquatic Chronic 2, Toxic to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:



Warning

Hazard statements:

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

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P103 Read label before use.
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.
P280 Wear protective gloves and eye/face protection.
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.
P337+P313 If eye irritation persists: Get medical advice/attention.
P391 Collect spillage.
P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

None

Contains

BUTYLPHENYL METHYLPROPIONAL (=Denominazione INCI)

1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one: May produce an allergic reaction.

1-(1,2,3,4,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one: May produce an allergic reaction.

1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one: May produce an allergic reaction.

(ETHOMETHOXY)CYCLODODECANE: May produce an allergic reaction.

3-(3,4-METHYLENEDIOXYPHENYL)-2-METHYLPROPANAL: May produce an allergic reaction.

d-limonene: May produce an allergic reaction.

Benzyl salicylate: May produce an allergic reaction.

Alpha-pinene: May produce an allergic reaction.

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

None

2.3. Other hazards

vPvB Substances: None - PBT Substances: None

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:

>= 7% - < 10% HHCB

REACH No.: 01-2119488227-29, Index number: 603-212-00-7, CAS: 1222-05-5, EC: 214-946-9

⚠ 4.1/A1 Aquatic Acute 1 H400

⚠ 4.1/C1 Aquatic Chronic 1 H410

>= 3% - < 5% tetrahydro-2-isobutyl-4-methylpyran-4-ol

REACH No.: 01-2119455547-30, Index number: 603-101-00-3, CAS: 63500-71-0, EC: 405-040-6

⚠ 3.3/2 Eye Irrit. 2 H319

>= 2% - < 3% BUTYLPHENYL METHYLPROPIONAL (=Denominazione INCI)

REACH No.: 01-2119907954-30, CAS: 80-54-6, EC: 201-289-8

⚠ 3.1/4/Oral Acute Tox. 4 H302

⚠ 3.2/2 Skin Irrit. 2 H315

⚠ 3.4.2/1B Skin Sens. 1B H317

⚠ 3.7/2 Repr. 2 H361

⚠ 4.1/C2 Aquatic Chronic 2 H411

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- >= 2% - < 3% Ethyl linalool
REACH No.: 01-2119969272-32, CAS: 10339-55-6, EC: 233-732-6
⚠ 3.2/2 Skin Irrit. 2 H315
⚠ 3.3/2 Eye Irrit. 2 H319

- >= 2% - < 3% 2,4-dimethyl-4,4a,5,9b-terahydroindeno[1,2-d]-1,3-dioxin
REACH No.: 01-2120234292-65, CAS: 27606-09-3, EC: 248-561-2
⚠ 3.1/4/Oral Acute Tox. 4 H302

- >= 2% - < 3% 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one
REACH No.: 01-2119489989-04, CAS: 54464-57-2, EC: 259-174-3
⚠ 3.2/2 Skin Irrit. 2 H315
⚠ 3.4.2/1B Skin Sens. 1B H317
⚠ 4.1/C1 Aquatic Chronic 1 H410

- >= 0,5% - < 1% (ETHOMETHOXY)CYCLODODECANE
REACH No.: 01-2119971571-34, CAS: 58567-11-6, EC: 261-332-1
⚠ 3.2/2 Skin Irrit. 2 H315
⚠ 3.4.2/1B Skin Sens. 1B H317
⚠ 4.1/C2 Aquatic Chronic 2 H411

- >= 0,5% - < 1% 1-(1,2,3,4,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one
CAS: 68155-67-9, EC: 268-979-9
⚠ 3.2/2 Skin Irrit. 2 H315
⚠ 3.4.2/1B Skin Sens. 1B H317
⚠ 4.1/C1 Aquatic Chronic 1 H410

- >= 0,5% - < 1% 3-(3,4-METHYLENEDIOXYPHENYL)-2-METHYLPROPANAL
CAS: 1205-17-0, EC: 214-881-6
⚠ 3.4.2/1B Skin Sens. 1B H317
⚠ 4.1/C2 Aquatic Chronic 2 H411

- >= 0,5% - < 1% CIS 3 HEXENYL SILICYLATE
REACH No.: 01-2119987320-37, CAS: 65405-77-8, EC: 265-745-8
⚠ 4.1/A1 Aquatic Acute 1 H400
⚠ 4.1/C1 Aquatic Chronic 1 H410

- >= 0,5% - < 1% 1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one
CAS: 68155-66-8, EC: 268-978-3
⚠ 3.2/2 Skin Irrit. 2 H315
⚠ 3.4.2/1B Skin Sens. 1B H317
⚠ 4.1/C1 Aquatic Chronic 1 H410

- >= 0,5% - < 1% d-limonene
REACH No.: 01-2119529223-47, Index number: 601-029-00-7, CAS: 5989-27-5, EC: 227-813-5
⚠ 2.6/3 Flam. Liq. 3 H226
⚠ 4.1/C1 Aquatic Chronic 1 H410
⚠ 3.2/2 Skin Irrit. 2 H315
⚠ 3.4.2/1 Skin Sens. 1 H317

- >= 0,5% - < 1% Benzyl salicylate
REACH No.: 01-2119969442-31, CAS: 118-58-1, EC: 204-262-9
⚠ 3.3/2 Eye Irrit. 2 H319
⚠ 3.4.2/1B Skin Sens. 1B H317
4.1/C3 Aquatic Chronic 3 H412

- >= 0,1% - < 0,25% Heptanoate allyle

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CAS: 142-19-8

- ◆ 3.1/3/Oral Acute Tox. 3 H301
- ◆ 3.1/3/Dermal Acute Tox. 3 H311
- ◆ 3.1/3/Inhal Acute Tox. 3 H331
- ◆ 4.1/A1 Aquatic Acute 1 H400
- ◆ 4.1/C3 Aquatic Chronic 3 H412

>= 0,1% - < 0,25% Alpha-pinene

REACH No.: 01-2119519223-49, CAS: 80-56-8, EC: 201-291-9

- ◆ 2.6/3 Flam. Liq. 3 H226
- ◆ 3.4.2/1 Skin Sens. 1 H317
- ◆ 3.1/4/Oral Acute Tox. 4 H302
- ◆ 3.2/2 Skin Irrit. 2 H315
- ◆ 4.1/A1 Aquatic Acute 1 H400
- ◆ 3.10/1 Asp. Tox. 1 H304
- ◆ 4.1/C1 Aquatic Chronic 1 H410

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose off safely.

After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Protect uninjured eye.

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

In case of inhalation: move the patient to a well-ventilated area and keep at rest.

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:

None

SECTION 5: Firefighting measures

5.1. Extinguishing media

Appropriate Extinguishing Media:

To carbon dioxide.

To water.

Not Recommended Extinguishing Media:

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

5.3. Advice for firefighters

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Use suitable breathing apparatus .
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

- 6.1. Personal precautions, protective equipment and emergency procedures
 - Wear personal protection equipment.
 - Remove persons to safety.
 - See protective measures under point 7 and 8.
- 6.2. Environmental precautions
 - Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.
 - Retain contaminated washing water and dispose it.
 - 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
- 6.3. Methods and material for containment and 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.
 - Contaminated clothing should be changed before entering eating areas.
 - Do not eat or drink while working.
 - See also section 8 for recommended protective equipment.
- 7.2. Conditions for safe storage, including any incompatibilities
 - Do not store this material near food and drinks.
 - Keep away from food, drink and feed.
 - None in particular.
 - Instructions as regards storage premises:
Adequately ventilated premises.
- 7.3. Specific end use(s)
 - None in particular

SECTION 8: Exposure controls/personal protection

- 8.1. Control parameters
 - Alpha-pinene - CAS: 80-56-8
 - ACGIH - TWA(8h): 20 ppm - Notes: DSEN, A4 - Lung irr
- DNEL Exposure Limit Values
 - 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one - CAS: 54464-57-2
 - Worker Professional: 0.1011 03 - Exposure: Human Dermal - Frequency: Short Term, local effects
 - Worker Professional: 1.73 mg/kg - Exposure: Human Dermal - Frequency: Short Term, systemic effects
 - Worker Professional: 1.76 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, systemic effects
 - 1-(1,2,3,4,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one - CAS: 68155-67-9
 - Worker Professional: 0.1011 03 - Exposure: Human Dermal - Frequency: Short Term, local effects
 - Worker Professional: 1.73 mg/kg - Exposure: Human Dermal - Frequency: Short Term,

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systemic effects

Worker Professional: 1.76 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, systemic effects

1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one - CAS: 68155-66-8

Worker Professional: 0.1011 03 - Exposure: Human Dermal - Frequency: Short Term, local effects

Worker Professional: 1.73 mg/kg - Exposure: Human Dermal - Frequency: Short Term, systemic effects

Worker Professional: 1.76 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, systemic effects

PNEC Exposure Limit Values

1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one - CAS: 54464-57-2

Target: Fresh Water - Value: 0.0028 mg/l

Target: Marine water - Value: 0.00028 mg/l

Target: Freshwater sediments - Value: 3.73 mg/kg

Target: Marine water sediments - Value: 0.75 mg/kg

Target: Soil (agricultural) - Value: 0.705 mg/kg

1-(1,2,3,4,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one - CAS: 68155-67-9

Target: Fresh Water - Value: 0.0028 mg/l

Target: Marine water - Value: 0.00028 mg/l

Target: Freshwater sediments - Value: 3.73 mg/kg

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Target: Soil (agricultural) - Value: 0.705 mg/kg

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Target: Fresh Water - Value: 0.0028 mg/l

Target: Marine water - Value: 0.00028 mg/l

Target: Freshwater sediments - Value: 3.73 mg/kg

Target: Marine water sediments - Value: 0.75 mg/kg

Target: Soil (agricultural) - Value: 0.705 mg/kg

8.2. Exposure controls

Eye protection:

Face protection shield.

Protection for skin:

protective clothing

Protection for hands:

Compliant with EN 374.

Respiratory protection:

Not required under normal conditions of use.

Thermal Hazards:

None

Environmental exposure controls:

None

Appropriate engineering controls:

None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes:
Appearance and colour:	Deodorante in cartonfeltro	--	--
Odour:	N.A.	--	--
Odour threshold:	N.A.	--	--

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pH:	N.A.	--	--
Melting point / freezing point:	N.A.	--	--
Initial boiling point and boiling range:	N.A.	--	--
Flash point:	>60°C	--	--
Evaporation rate:	N.A.	--	--
Solid/gas flammability:	N.A.	--	--
Upper/lower flammability or explosive limits:	N.A.	--	--
Vapour pressure:	N.A.	--	--
Vapour density:	N.A.	--	--
Relative density:	0,993-1,013 g/ml @20°C	--	--
Solubility in water:	N.A.	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient (n-octanol/water):	N.A.	--	--
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	N.A.	--	--
Viscosity:	N.A.	--	--
Explosive properties:	N.A.	--	--
Oxidizing properties:	N.A.	--	--

9.2. Other information

Properties	Value	Method:	Notes:
Miscibility:	N.A.	--	--
Fat Solubility:	N.A.	--	--
Conductivity:	N.A.	--	--
Substance Groups relevant properties	N.A.	--	--

NA=not applicable

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SECTION 10: Stability and reactivity

- 10.1. Reactivity
Stable under normal conditions
- 10.2. Chemical stability
Stable at normal ambient temperatures and when used as recommended.
- 10.3. Possibility of hazardous reactions
None
- 10.4. Conditions to avoid
Stable under normal conditions.
- 10.5. Incompatible materials
None in particular.
- 10.6. Hazardous decomposition products
None.

SECTION 11: Toxicological information

- 11.1. Information on toxicological effects
Toxicological information of the product:

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a) acute toxicity

Based on available data, the classification criteria are not met
b) skin corrosion/irritation

Based on available data, the classification criteria are not met
c) serious eye damage/irritation

The product is classified: Eye Irrit. 2 H319

d) respiratory or skin sensitisation

The product is classified: Skin Sens. 1B H317

e) germ cell mutagenicity

Based on available data, the classification criteria are not met
f) carcinogenicity

Based on available data, the classification criteria are not met
g) reproductive toxicity

Based on available data, the classification criteria are not met
h) STOT-single exposure

Based on available data, the classification criteria are not met
i) STOT-repeated exposure

Based on available data, the classification criteria are not met
j) aspiration hazard

Based on available data, the classification criteria are not met
Toxicological information of the main substances found in the product:

tetrahydro-2-isobutyl-4-methylpyran-4-ol - CAS: 63500-71-0

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg

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

b) skin corrosion/irritation:

Test: Skin Irritant - Species: Rabbit Negative

Test: Eye Corrosive - Species: Rabbit Positive

d) respiratory or skin sensitisation:

Test: Skin Sensitization - Species: esseri umani Negative

e) germ cell mutagenicity:

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- Species: Salmonella Typhimurium Negative
BUTYLPHENYL METHYLPROPIONAL (=Denominazione INCI) - CAS: 80-54-6
- a) acute toxicity:
Test: LD50 - Route: Skin - Species: CAVIA > 5000 mg/kg
Test: LD50 - Route: Oral - Species: Rat = 1.390 mg/kg
- b) skin corrosion/irritation:
Test: Skin Irritant - Species: Rabbit Positive
Test: Eye Irritant Positive
- e) germ cell mutagenicity:
Test: oecd - Species: vitro Negative - Notes: OECD 471 Bacterial Reverse Mutation Test
Test: oecd 2 - Species: vitro Negative - Notes: OECD 476 In vitro Mammalian Cell Gene Mutation Test
- Ethyl linalool - CAS: 10339-55-6
- a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit > 5000 mg/kg
- b) skin corrosion/irritation:
Test: Skin Irritant - Species: Rabbit Positive
Test: Eye Irritant - Species: Rabbit Positive
- e) germ cell mutagenicity:
Test: Genotoxicity - Species: vitro Negative
- 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one - CAS: 54464-57-2
- a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit > 5000 mg/kg
- 3-(3,4-METHYLENEDIOXYPHENYL)-2-METHYLPROPANAL - CAS: 1205-17-0
- a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat = 3600 mg/kg
- 1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one - CAS: 68155-66-8
- a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg
Test: LD50 - Route: Skin - Species: Rat > 5000 mg/kg
- d-limonene - CAS: 5989-27-5
- a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat 4400 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit > 5000 mg/kg
Test: LD50 - Route: Oral - Species: Mouse 5600 mg/kg
- Alpha-pinene - CAS: 80-56-8
- a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat 2100 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit 5005 mg/kg

SECTION 12: Ecological information

12.1. Toxicity

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

HHCb - CAS: 1222-05-5

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia > 0.9 mg/l - Duration h: 48

Endpoint: LC50 - Species: Daphnia = 0.47 mg/l - Duration h: 48

tetrahydro-2-isobutyl-4-methylpyran-4-ol - CAS: 63500-71-0

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 354 Ppm - Duration h: 96

Endpoint: EC50 - Species: Daphnia > 320 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae > 94 mg/l - Duration h: 72

BUTYLPHENYL METHYLPROPIONAL (=Denominazione INCI) - CAS: 80-54-6

a) Aquatic acute toxicity:

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- Endpoint: EC50 - Species: Algae = 104.92 mg/l - Duration h: 3
- Ethyl linalool - CAS: 10339-55-6
- a) Aquatic acute toxicity:
Endpoint: EC50 - Species: Daphnia 23 mg/l - Duration h: 48
- b) Aquatic chronic toxicity:
Endpoint: EC50 - Species: Algae 13.3 mg/l - Duration h: 72
- 2,4-dimethyl-4,4a,5,9b-tetrahydroindeno[1,2-d]-1,3-dioxin - CAS: 27606-09-3
- a) Aquatic acute toxicity:
Endpoint: EC50 - Species: Daphnia 284 mg/l - Duration h: 485
- 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one - CAS: 54464-57-2
- a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish 1.30 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia 1.38 mg/l - Duration h: 48
Endpoint: EC50 - Species: Algae 2.60 mg/l - Duration h: 72
- 3-(3,4-METHYLENEDIOXYPHENYL)-2-METHYLPROPANAL - CAS: 1205-17-0
- a) Aquatic acute toxicity:
Endpoint: EC50 - Species: Daphnia = 8.3 mg/l - Duration h: 48
- 1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one - CAS: 68155-66-8
- a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish 1.30 mg/l - Duration h: 96 - Notes: OECD TG 203
Endpoint: EC50 - Species: Daphnia 1.38 mg/l - Duration h: 48 - Notes: OECD TG 202
Endpoint: EC50 - Species: Algae 2.60 mg/l - Duration h: 72 - Notes: OECD TG 201
- b) Aquatic chronic toxicity:
Endpoint: NOEC - Species: Fish 0.16 mg/l - Notes: OECD 210
- d-limonene - CAS: 5989-27-5
- a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish 0.72 mg/l - Duration h: 96
Endpoint: EC50 - Species: Fish 0.688 mg/l - Duration h: 96
- Alpha-pinene - CAS: 80-56-8
- a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish 0.28 mg/l - Duration h: 96
- 12.2. Persistence and degradability
None
HHCb - CAS: 1222-05-5
Biodegradability: Non-readily biodegradable - %: 2 - Notes: Saggio di Sturm modificato
1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one - CAS: 68155-66-8
Biodegradability: Non-readily biodegradable - Test: Biochemical oxygen demand -
Duration: 28gg - %: 0
- 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. 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:
Reuse if possible. Act in accordance with the local and national laws in force.

SECTION 14: Transport information

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- 14.1. UN number
ADR-UN Number: 3082
IATA-UN Number: 3082
IMDG-UN Number: 3082
- 14.2. UN proper shipping name
ADR-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(HHCB, BUTYLPHENYL METHYLPROPIONAL (=Denominazione INCI))
IATA-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(HHCB, BUTYLPHENYL METHYLPROPIONAL (=Denominazione INCI))
IMDG-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(HHCB, BUTYLPHENYL METHYLPROPIONAL (=Denominazione INCI))
- 14.3. Transport hazard class(es)
ADR-Class: 9
ADR - Hazard identification number: 90
IATA-Class: 9
IATA-Label: 9
IMDG-Class: 9
- 14.4. Packing group
ADR-Packing Group: III
IATA-Packing group: III
IMDG-Packing group: III
- 14.5. Environmental hazards
ADR-Environmental Pollutant: Yes
IMDG-Marine pollutant: Marine Pollutant
- 14.6. Special precautions for user
ADR-Subsidiary risks: -
ADR-S.P.: 274 335 375 601
ADR-Transport category (Tunnel restriction code): 3 (-)
IATA-Passenger Aircraft: 964
IATA-Subsidiary risks: -
IATA-Cargo Aircraft: 964
IATA-S.P.: A97 A158 A197
IATA-ERG: 9L
IMDG-EmS: F-A,
S-F
IMDG-Subsidiary risks: -
IMDG-Stowage and handling: Category A
IMDG-Segregation: -
- 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code
No
Limited Quantity: 5 L
Exempted Quantity: E1

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) 2015/830
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)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:
None

Volatile Organic compounds - VOCs = 0.75 %
Volatile Organic compounds - VOCs = 7.50 g/Kg
Volatile Organic compounds - VOCs = 7.52 g/l
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
Product belongs to category: E2

15.2. Chemical safety assessment
No Chemical Safety Assessment has been carried out for the mixture.
Substances for which a Chemical Safety Assessment has been carried out:
None

SECTION 16: Other information

Text of phrases referred to under heading 3:
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H319 Causes serious eye irritation.
H302 Harmful if swallowed.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H361 Suspected of damaging fertility or the unborn child.
H411 Toxic to aquatic life with long lasting effects.
H226 Flammable liquid and vapour.
H412 Harmful to aquatic life with long lasting effects.
H301 Toxic if swallowed.
H311 Toxic in contact with skin.
H331 Toxic if inhaled.
H304 May be fatal if swallowed and enters airways.

Hazard class and hazard category	Code	Description
Flam. Liq. 3	2.6/3	Flammable liquid, Category 3
Acute Tox. 3	3.1/3/Dermal	Acute toxicity (dermal), Category 3
Acute Tox. 3	3.1/3/Inhal	Acute toxicity (inhalation), Category 3

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Acute Tox. 3	3.1/3/Oral	Acute toxicity (oral), 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
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
Eye Irrit. 2, H319	Calculation method
Skin Sens. 1B, H317	Calculation method
Aquatic Chronic 2, H411	Calculation method

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

Main bibliographic sources:

ECDIN - 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.

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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.
NA:	Not applicable
PNEC:	Predicted No Effect Concentration.
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.