Safety Data Sheet
Fresca Foglia London

Safety Data Sheet dated 17/12/2020, version 5

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

1.1. Product identifier

Mixture identification:

Trade name: Fresca Foglia London

Trade code: 1397

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

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

In Malta: emergency number 112

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP):

Warning, Skin Irrit. 2, Causes skin irritation.

Warning, Eye Irrit. 2, Causes serious eye irritation.

Warning, Skin Sens. 1A, 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:

H315 Causes skin irritation.

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.
P103 Read carefully and follow all instructions.
P273 Avoid release to the environment.
P280 Wear protective gloves and eye/face protection.
P391 Collect spillage.
P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:
EUH208 Contains 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.
EUH208 Contains ETHANONE , 1-(HEXAHYDRO-TETRAMETHYL-METHANONAZULENY. May produce an allergic reaction.
EUH208 Contains 3,7-dimethyl-3-octanol. May produce an allergic reaction.
EUH208 Contains CITRONELLOL. May produce an allergic reaction.
EUH208 Contains d-limonene. May produce an allergic reaction.
EUH208 Contains Coumarin. May produce an allergic reaction.
EUH208 Contains 3,4,5,6,6,PENTAMETHYLHEPT-3-EN-2-ONE (and isomers). May produce an allergic reaction.
EUH208 Contains PARA-TERT-BUTYLCYCLOHEXYL ACETATE. May produce an allergic reaction.
EUH208 Contains DAMASCONE ALFA. May produce an allergic reaction.
EUH208 Contains DIHYDROPENTHAMETHYL INDANONE. May produce an allergic reaction.
EUH208 Contains Linalool. May produce an allergic reaction.
EUH208 Contains GERANIOL. May produce an allergic reaction.
EUH208 Contains citral. May produce an allergic reaction.

Contains
DELTA DAMASCONE

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:

>= 25% - < 30% DIPROPYLENEGLYCOL MONOMETHYLETHER
REACH No.: 01-2119450011-60, CAS: 34590-94-8, EC: 252-104-2
Substance with a Union workplace exposure limit.

>= 15% - < 20% 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one
CAS: 54464-57-2, EC: 259-174-3
3.2/2 Skin Irrit. 2 H315
3.4.2/1 Skin Sens. 1 H317
4.1/C2 Aquatic Chronic 2 H411

>= 3% - < 5% Linalyl acetate
REACH No.: 01-2119454789-19, CAS: 115-95-7, EC: 204-116-4

3.2/2 Skin Irrit. 2 H315
3.3/2 Eye Irrit. 2 H319

>= 3% - < 5% 2,6-dimethyloct-7-en-2-ol
REACH No.: 01-2119457274-37, CAS: 18479-58-8, EC: 242-362-4
3.2/2 Skin Irrit. 2 H315
3.3/2 Eye Irrit. 2 H319

>= 3% - < 5% ETHANONE , 1-(HEXAHYDRO-TETRAMETHYL-METHANONAZULENY
REACH No.: 01-2119969651-28, CAS: 32388-55-9, EC: 251-020-3
3.4.2/1 Skin Sens. 1 H317
4.1/A1 Aquatic Acute 1 H400
4.1/C1 Aquatic Chronic 1 H410

>= 3% - < 5% 2,6-Dimethyl-2-heptanol
REACH No.: 01-2120275178-48, CAS: 13254-34-7, EC: 236-244-1
3.2/2 Skin Irrit. 2 H315
3.3/2 Eye Irrit. 2 H319

>= 3% - < 5% 3,7-dimethyl-3-octanol
REACH No.: 01-2119454788-21, CAS: 78-69-3, EC: 201-133-9
3.2/2 Skin Irrit. 2 H315
3.4.2/1 Skin Sens. 1 H317
3.3/2 Eye Irrit. 2 H319

>= 3% - < 5% Ethylene undecanedicarboxylate
REACH No.: 01-2119976314-33, CAS: 105-95-3, EC: 203-375-0
4.1/C2 Aquatic Chronic 2 H411

>= 2% - < 3% CITRONELLOL
REACH No.: 01-2119453995-23, CAS: 106-22-9, EC: 203-375-0
3.2/2 Skin Irrit. 2 H315
3.3/2 Eye Irrit. 2 H319
3.4.2/1B Skin Sens. 1B H317

>= 1% - < 2% d-limonene
REACH No.: 01-2119529223-47, CAS: 5989-27-5, EC: 227-813-5
2.6/3 Flam. Liq. 3 H226
3.10/1 Asp. Tox. 1 H304
3.2/2 Skin Irrit. 2 H315
3.4.2/1B Skin Sens. 1B H317
4.1/A1 Aquatic Acute 1 H400
4.1/C1 Aquatic Chronic 1 H410

>= 1% - < 2% Coumarin
REACH No.: 01-2119943756-26, CAS: 91-64-5, EC: 202-086-7
3.1/4/Oral Acute Tox. 4 H302
3.4.2/1B Skin Sens. 1B H317

>= 0.5% - < 1% DIHYDROPENTHAMETHYL INDANONE
REACH No.: 01-2119977131-40, CAS: 33704-61-9, EC: 251-649-3
3.2/2 Skin Irrit. 2 H315
3.4.2/1 Skin Sens. 1 H317
3.3/2 Eye Irrit. 2 H319
4.1/C2 Aquatic Chronic 2 H411

>= 0.5% - < 1% PARA-TERT-BUTYLCYCLOHEXYL ACETATE
REACH No.: 01-2119976286-24, CAS: 32210-23-4, EC: 250-954-9
3.4.2/1B Skin Sens. 1B H317

>= 0.5% - < 1% 3,4,5,6,6,PENTAMETHYLHEPT-3-EN-2-ONE (and isomers)
REACH No.: 01-2119980043-42, CAS: 81786-75-6, EC: 279-825-5
3.4.2/1 Skin Sens. 1 H317
4.1/C2 Aquatic Chronic 2 H411

>= 0.5% - < 1% Alpha-cedrene
CAS: 469-61-4, EC: 207-418-4
3.10/1 Asp. Tox. 1 H304
4.1/A1 Aquatic Acute 1 H400
4.1/C1 Aquatic Chronic 1 H410

>= 0.5% - < 1% 3-Decen-5-ol, 4-methyl-
REACH No.: 01-2119983528-21, CAS: 81782-77-6, EC: 279-815-0
4.1/A1 Aquatic Acute 1 H400

>= 0.5% - < 1% DAMASCONE ALFA
CAS: 24720-09-0, EC: 246-430-4
3.1/4/Oral Acute Tox. 4 H302
3.4.2/1B Skin Sens. 1B H317

>= 0.5% - < 1% DELTA DAMASCONE
CAS: 57378-68-4, EC: 260-709-8
3.1/4/Oral Acute Tox. 4 H302
3.2/2 Skin Irrit. 2 H315
3.4.2/1A Skin Sens. 1A H317
4.1/A1 Aquatic Acute 1 H400
4.1/C1 Aquatic Chronic 1 H410

>= 0.5% - < 1% Linalool
REACH No.: 01-2119474016-42, CAS: 78-70-6, EC: 201-134-4
3.2/2 Skin Irrit. 2 H315
3.4.2/1B Skin Sens. 1B H317
3.3/2 Eye Irrit. 2 H319

>= 0.1% - < 0.25% GERANIOL
REACH No.: 01-2119552430-49, CAS: 106-24-1, EC: 203-377-1
3.2/2 Skin Irrit. 2 H315
3.4.2/1 Skin Sens. 1 H317
3.3/1 Eye Dam. 1 H318

>= 0.1% - < 0.25% citral
REACH No.: 01-2119462829-23, CAS: 5392-40-5, EC: 226-394-6
3.2/2 Skin Irrit. 2 H315
3.4.2/1B Skin Sens. 1B H317
3.3/2 Eye Irrit. 2 H319

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 opthalmologist 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

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:
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

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.
See also section 8 for recommended protective equipment.
Advice on general occupational hygiene:
Contamined clothing should be changed before entering eating areas.
Do not eat or drink while working.

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

DIPROPYLENEGLYCOL MONOMETHYLETHER - CAS: 34590-94-8

EU - TWA(8h): 308 mg/m3, 50 ppm - Notes: Skin
ACGIH - TWA(8h): 100 ppm - STEL: 150 ppm - Notes: Skin - Eye and URT irr, CNS impair

citral - CAS: 5392-40-5

ACGIH - TWA(8h): 5 ppm - Notes: (IFV), Skin, DSEN, A4 - Body weight eff, URT irr, eye dam

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

Linalyl acetate - CAS: 115-95-7

Worker Industry: 2.75 mg/m3 - Consumer: 0.68 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects - Notes: ECHA
Worker Industry: 2.5 mg/kg - Consumer: 1.25 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects - Notes: ECHA
Consumer: 0.2 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects - Notes: ECHA

2,6-dimethyloct-7-en-2-ol - CAS: 18479-58-8

Worker Industry: 73.5 mg/m3 - Consumer: 21.7 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects - Notes: ECHA
Worker Industry: 20.8 mg/kg - Consumer: 12.5 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects - Notes: ECHA
Consumer: 12.5 mg/kg - Exposure: Human Oral - Notes: ECHA

Linalool - CAS: 78-70-6

Worker Industry: 2.8 mg/m3 - Consumer: 0.7 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Worker Industry: 2.5 mg/m3 - Consumer: 1.25 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects - Notes: ECHA
Consumer: 0.2 mg/kg - Exposure: Human Oral - Frequency: Long 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

8.2. Exposure controls

Eye protection:
Compliant with EN 166
Eye glasses with side protection.

Protection for skin:
protective clothing

Protection for hands:
Compliant with EN 374.
Neoprene.
Neoprene.
PVC (polyvinyl chloride).

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:	Characteristic	--	--
Odour threshold:	N.A.	--	--
pH:	N.A.	--	--
Melting point / freezing point:	N.A.	--	--
Initial boiling point and boiling range:	N.A.	--	--
Flash point:	>61°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:	0939	--	--
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

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:
Fresca Foglia London

a) acute toxicity
Not classified
Based on available data, the classification criteria are not met
b) skin corrosion/irritation
The product is classified: Skin Irrit. 2 H315
c) serious eye damage/irritation
The product is classified: Eye Irrit. 2 H319
d) respiratory or skin sensitisation
The product is classified: Skin Sens. 1A 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:

DIPROPYLENEGLYCOL MONOMETHYLETHER - CAS: 34590-94-8
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit = 9510 mg/kg

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

Linalyl acetate - CAS: 115-95-7
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat > 9000 mg/kg
Test: LD50 - Route: Oral - Species: Mouse = 12000 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit > 5000 mg/kg

2,6-dimethyloct-7-en-2-ol - CAS: 18479-58-8
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat = 3600 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit > 5000 mg/kg

ETHANONE , 1-(HEXAHYDRO-TETRAMETHYL-METHANONAZULENY - CAS: 32388-55-9
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit > 5000 mg/kg

3,7-dimethyl-3-octanol - CAS: 78-69-3
c) serious eye damage/irritation:
Test: Eye Irritant Positive
d) respiratory or skin sensitisation:
Test: OECD TG 403 - Route: Inhalation = 0.885 mg/m3
e) germ cell mutagenicity:
Test: NOAEL - Species: esseri umani 500 mg/kg - Notes: maternal

Test: NOAEL - Species: esseri umani 1000 mg/kg - Notes: foetal
g) reproductive toxicity:
Test: NOAEL 500 mg/kg
CITRONELLOL - CAS: 106-22-9
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat 3450 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit 2650 mg/kg
b) skin corrosion/irritation:
Test: Eye Irritant Positive
d) respiratory or skin sensitisation:
Test: Skin Sensitization Positive
d-limonene - CAS: 5989-27-5
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat = 3500 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit > 5000 mg/kg
Coumarin - CAS: 91-64-5
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat = 520
PARA-TERT-BUTYLCYCLOHEXYL ACETATE - CAS: 32210-23-4
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat = 3370
Test: LD50 - Route: Skin - Species: Rabbit > 4680
3,4,5,6,6,PENTAMETHYLHEPT-3-EN-2-ONE (and isomers) - CAS: 81786-75-6
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat = 6100 mg/kg
Test: LD50 - Route: Oral - Species: Rat = 2400 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit > 5000 mg/kg
3-Decen-5-ol, 4-methyl- - CAS: 81782-77-6
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat > 8000 mg/kg
Linalool - CAS: 78-70-6
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat 2.790 mg/kg
Test: LD50 - Route: Oral - Species: Mouse 2.200 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit 5.610 mg/kg
GERANIOL - CAS: 106-24-1
b) skin corrosion/irritation:
Test: Skin Corrosive Positive
c) serious eye damage/irritation:
Test: Eye Irritant Positive
e) germ cell mutagenicity:
Test: Mutagenesis - Species: vitro Negative
citral - CAS: 5392-40-5
a) acute toxicity:
Test: LD50 - Route: Skin - Species: Rabbit 2250 mg/kg
Test: LD50 - Route: Oral - Species: Rat 4960 mg/kg - Duration: 24h

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.
DIPROPYLENEGLYCOL MONOMETHYLETHER - CAS: 34590-94-8
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish > 1000 mg/l - Duration h: 96
Endpoint: LC50 - Species: Daphnia = 1919 mg/l - Duration h: 48
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
Linalyl acetate - CAS: 115-95-7
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish = 11 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia = 15 mg/l - Duration h: 48
Endpoint: NOEC - Species: Algae = 9.6 mg/l - Duration h: 72
2,6-dimethyloct-7-en-2-ol - CAS: 18479-58-8
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish > 4.81 mg/l - Duration h: 96
Endpoint: LC50 - Species: Daphnia = 5.70 mg/l - Duration h: 48
Endpoint: EC50 - Species: Algae = 3.88 mg/l - Duration h: 72
CITRONELLOL - CAS: 106-22-9
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish 14.66 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia 17.48 mg/l - Duration h: 48
Endpoint: CE6 - Species: Algae 2.4 mg/l - Duration h: 72
d-limonene - CAS: 5989-27-5
a) Aquatic acute toxicity:
Endpoint: EC50 - Species: Daphnia = 0.36 mg/l - Duration h: 48
Endpoint: LC50 - Species: Fish = 0.72 mg/l
Coumarin - CAS: 91-64-5
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish = 2.94 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia = 24.3 mg/l - Duration h: 48
Endpoint: EC50 - Species: Algae = 1.45 mg/l - Duration h: 72
PARA-TERT-BUTYLCYCLOHEXYL ACETATE - CAS: 32210-23-4
a) Aquatic acute toxicity:
Endpoint: EC50 - Species: Daphnia 5.3 mg/l
Endpoint: EC50 - Species: Fish 22 mg/l
Endpoint: EC50 - Species: Fish 8.6 mg/l
Endpoint: EC50 - Species: Fish 6.8 mg/l
3,4,5,6,6,PENTAMETHYLHEPT-3-EN-2-ONE (and isomers) - CAS: 81786-75-6
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish 4.8 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia 6.1 mg/l - Duration h: 48
Endpoint: EC50 - Species: Algae 21 mg/l - Duration h: 72
Endpoint: NOEC - Species: Algae 12 mg/l
3-Decen-5-ol, 4-methyl- - CAS: 81782-77-6
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish 3 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia 0.4 mg/l - Duration h: 48
Endpoint: EC50 - Species: Algae 3.6 mg/l - Duration h: 72
Linalool - CAS: 78-70-6
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish 27.8 mg/l - Duration h: 96 - Notes: OECD 203
Endpoint: EC50 - Species: Daphnia 59 mg/l - Duration h: 48 - Notes: OECD TG 202
Endpoint: EC50 - Species: Algae 156.7 mg/l - Duration h: 96
citral - CAS: 5392-40-5
a) Aquatic acute toxicity:
Endpoint: EC50 - Species: Algae 103.8 mg/l - Duration h: 72
Endpoint: LC50 - Species: Fish 6.78 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia 6.8 mg/l - Duration h: 48

12.2. Persistence and degradability

None
Linalyl acetate - CAS: 115-95-7
Biodegradability: Readily biodegradable - Test: BIOGDG06 - Duration: 28gg - %: 70
2,6-dimethyloct-7-en-2-ol - CAS: 18479-58-8
Biodegradability: Readily biodegradable - Test: BIOGDG06 - Duration: 28gg - %: 72.1
ETHANONE , 1-(HEXAHYDRO-TETRAMETHYL-METHANONAZULENY - CAS: 32388-55-9
Biodegradability: Non-readily biodegradable - %: 36 - Notes: Direttiva 67/548/CEE Allegato V, C.4.C
CITRONELLOL - CAS: 106-22-9
Biodegradability: Readily biodegradable
3-Decen-5-ol, 4-methyl- - CAS: 81782-77-6
Biodegradability: Readily biodegradable - Test: BIOGDG10 - %: 73
Linalool - CAS: 78-70-6
Biodegradability: Readily biodegradable - Test: BIOGDG08 - Duration: 28gg - %: 64.2
citral - CAS: 5392-40-5
Biodegradability: Readily biodegradable

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

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.(1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one, Ethylene undecanedicarboxylate)
IATA-Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one, Ethylene undecanedicarboxylate)
IMDG-Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one, Ethylene undecanedicarboxylate)

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-Enviromental Pollutant: Yes
IMDG-Marine pollutant: Marine Pollutant

14.6. Special precautions for user

ADR-Subsidiary hazards: -
ADR-S.P.: 274 335 375 601
ADR-Transport category (Tunnel restriction code): 3 (-)
IATA-Passenger Aircraft: 964
IATA-Subsidiary hazards: -
IATA-Cargo Aircraft: 964
IATA-S.P.: A97 A158 A197
IATA-ERG: 9L
IMDG-EmS: F-A, S-F
IMDG-Subsidiary hazards: -
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)
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)
Regulation (EU) n. 2018/669 (ATP 11 CLP)
Regulation (EU) n. 2018/1480 (ATP 13 CLP)
Regulation (EU) n. 2019/521 (ATP 12 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 40

Restrictions related to the substances contained:
No restriction.

Volatile Organic compounds - VOCs = 4.90 %
Volatile Organic compounds - VOCs = 49.00 g/Kg
Volatile Organic compounds - VOCs = 46.01 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:
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H411 Toxic to aquatic life with long lasting effects.
H319 Causes serious eye irritation.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H302 Harmful if swallowed.
H318 Causes serious eye damage.

Hazard class and hazard category	Code	Description
Flam. Liq. 3	2.6/3	Flammable liquid, 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 Dam. 1	3.3/1	Serious eye damage, Category 1
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
Skin Sens. 1	3.4.2/1	Skin Sensitisation, Category 1
Skin Sens. 1A	3.4.2/1A	Skin Sensitisation, Category 1A
Skin Sens. 1B	3.4.2/1B	Skin Sensitisation, Category 1B
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

Paragraphs modified from the previous revision:

SECTION 2: Hazards identification
SECTION 8: Exposure controls/personal protection
SECTION 12: Ecological information
SECTION 14: Transport information
SECTION 15: Regulatory information

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 Irrit. 2, H315	Calculation method
Eye Irrit. 2, H319	Calculation method
Skin Sens. 1A, 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.
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.