

Safety Data Sheet

AIRTECH CAR VANILLA REFILL ML 7



Safety Data Sheet dated 22/4/2021, version 7

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

1.1. Product identifier

Mixture identification:

Trade name: AIRTECH CAR VANILLA REFILL ML 7

Trade code: 1428

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 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:

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.

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P273 Avoid release to the environment.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

EUH208 Contains Ethyl 2,3-epoxy-3-phenylbutyrate. May produce an allergic reaction.
EUH208 Contains Anisyl acetate. May produce an allergic reaction.
EUH208 Contains Neryl acetate. May produce an allergic reaction.
EUH208 Contains Linalool. May produce an allergic reaction.
EUH208 Contains HELIOTROPINE. May produce an allergic reaction.
EUH208 Contains Geranyl acetate. May produce an allergic reaction.
EUH208 Contains Beta Pinene. May produce an allergic reaction.
EUH208 Contains Coumarin. May produce an allergic reaction.

Contains

(R)-p-mentha-1,8-diene; d-limonene

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:

$\geq 70\%$ - $< 80\%$ Dipropyl glycol methyl ether

REACH No.: 01-2119450011-60, CAS: 34590-94-8, EC: 252-104-2

Substance with a Union workplace exposure limit.

$\geq 3\%$ - $< 5\%$ (R)-p-mentha-1,8-diene; d-limonene

Index number: 601-029-00-7, 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

$\geq 2\%$ - $< 3\%$ Ethyl 2,3-epoxy-3-phenylbutyrate

REACH No.: 01-2119516040-60, CAS: 77-83-8, EC: 201-061-8

⚠ 3.4.2/1B Skin Sens. 1B H317

⚠ 4.1/C2 Aquatic Chronic 2 H411 M=1.

$\geq 2\%$ - $< 3\%$ Anisyl acetate

REACH No.: 01-2120752374-54, CAS: 104-21-2, EC: 203-185-8

⚠ 3.4.2/1B Skin Sens. 1B H317

$\geq 1\%$ - $< 2\%$ VANILLINE 100%

REACH No.: 01-2119516040-60, CAS: 121-33-5, EC: 204-465-2

⚠ 3.3/2 Eye Irrit. 2 H319

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- >= 1% - < 2% Heptanoate allyle
REACH No.: 01-2119488961-23, CAS: 142-19-8, EC: 205-527-1
⚠ 3.1/3/Oral Acute Tox. 3 H301
4.1/C3 Aquatic Chronic 3 H412
⚠ 3.1/3/Dermal Acute Tox. 3 H311
⚠ 4.1/A1 Aquatic Acute 1 H400
- >= 1% - < 2% Ethyl vanillin
REACH No.: 01-2119958961-24, CAS: 121-32-4, EC: 204-464-7
⚠ 3.3/2 Eye Irrit. 2 H319
- >= 0.5% - < 1% Neryl acetate
REACH No.: 01-2120748334-54, CAS: 141-12-8, EC: 205-459-2
⚠ 3.4.2/1B Skin Sens. 1B H317
- >= 0.5% - < 1% MYRCENE
REACH No.: 01-2119514321-56, CAS: 123-35-3, EC: 204-622-5
⚠ 4.1/A1 Aquatic Acute 1 H400
⚠ 4.1/C2 Aquatic Chronic 2 H411
⚠ 3.10/1 Asp. Tox. 1 H304
⚠ 3.3/2 Eye Irrit. 2 H319
⚠ 2.6/3 Flam. Liq. 3 H226
⚠ 3.2/2 Skin Irrit. 2 H315
- >= 0.1% - < 0.25% 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% Geranyl acetate
REACH No.: 01-2119973480-35, CAS: 105-87-3, EC: 203-341-5
4.1/C3 Aquatic Chronic 3 H412
⚠ 3.2/2 Skin Irrit. 2 H315
⚠ 3.4.2/1 Skin Sens. 1 H317
- >= 0.1% - < 0.25% Allyl hexanoate (Allyl caproate)
REACH No.: 01-2119983573-26, CAS: 123-68-2, EC: 204-642-4
⚠ 3.1/3/Oral Acute Tox. 3 H301
4.1/C3 Aquatic Chronic 3 H412
⚠ 3.1/3/Dermal Acute Tox. 3 H311
⚠ 3.1/3/Inhal Acute Tox. 3 H331
⚠ 4.1/A1 Aquatic Acute 1 H400
- >= 0.1% - < 0.25% 2,6 -Di-tert-Butyl-p-Cresol
REACH No.: 01-2119565113-46, CAS: 128-37-0, EC: 204-881-4
⚠ 4.1/A1 Aquatic Acute 1 H400
⚠ 4.1/C1 Aquatic Chronic 1 H410
- >= 0.1% - < 0.25% HELIOTROPINE
REACH No.: 01-2119983608-21, CAS: 120-57-0, EC: 204-409-7
⚠ 3.4.2/1B Skin Sens. 1B H317
- >= 0.1% - < 0.25% Beta Pinene
REACH No.: 01-2119519230-54, CAS: 127-91-3, EC: 204-872-5

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

>= 0.1% - < 0.25% Coumarin

REACH No.: 01-2119949300-45, CAS: 91-64-5, EC: 202-086-7

⚠ 3.1/4/Oral Acute Tox. 4 H302

⚠ 3.4.2/1B Skin Sens. 1B H317

4.1/C3 Aquatic Chronic 3 H412

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 induce vomiting.

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 dust.

Not Recommended Extinguishing Media:

Do not use direct water jets.

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.

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- 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:
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
Store in well-closed containers, preferably in a cool place, away from sources of heat and direct sunlight.
Store in a dry place.
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
Dipropylen glycol methyl ether - 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
- 2,6 -Di-tert-Butyl-p-Cresol - CAS: 128-37-0
ACGIH - TWA(8h): 2 mg/m³ - Notes: (IFV), A4 - URT irr
- Beta Pinene - CAS: 127-91-3
ACGIH - TWA(8h): 20 ppm - Notes: DSEN, A4 - Lung irr
- DNEL Exposure Limit Values
Dipropylen glycol methyl ether - CAS: 34590-94-8
Consumer: 36 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects
Worker Professional: 308 mg/m³ - Consumer: 37.2 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Worker Professional: 283 mg/kg - Consumer: 121 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects
- Ethyl vanillin - CAS: 121-32-4
Worker Professional: 7 mg/kg - Consumer: 2.5 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Worker Professional: 49 mg/m³ - Consumer: 8.75 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Consumer: 2.5 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects
Worker Professional: 98 mg/m³ - Consumer: 17.5 mg/m³ - Exposure: Human Inhalation -

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Frequency: Short Term, systemic effects
Linalool - CAS: 78-70-6
Worker Professional: 2.5 mg/kg - Consumer: 1.25 mg/kg - Exposure: Human Dermal -
Frequency: Long Term, systemic effects
Worker Professional: 2.8 mg/m³ - Consumer: 0.7 mg/m³ - Exposure: Human Inhalation -
Frequency: Long Term, systemic effects
Consumer: 0.2 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects
Worker Professional: 5 mg/kg - Consumer: 2.5 mg/kg - Exposure: Human Dermal -
Frequency: Short Term, systemic effects
Worker Professional: 16.5 mg/m³ - Consumer: 4.1 mg/m³ - Exposure: Human Inhalation -
Frequency: Short Term, systemic effects
HELIOTROPINE - CAS: 120-57-0
Worker Professional: 3.5 mg/m³ - Exposure: Human Inhalation
PNEC Exposure Limit Values
Dipropylen glycol methyl ether - CAS: 34590-94-8
Target: Fresh Water - Value: 19 mg/l
Target: Marine water - Value: 1.9 mg/l
Target: Marine water sediments - Value: 7.02 mg/kg
Target: Freshwater sediments - Value: 70.2 mg/kg
Target: 09 - Value: 4168 mg/l
VANILLINE 100% - CAS: 121-33-5
Target: Fresh Water - Value: 0.118 mg/l
Target: Marine water - Value: 0.012 mg/l
Target: Freshwater sediments - Value: 58.22 mg/kg
Target: Marine water sediments - Value: 5.822 mg/kg
Target: 09 - Value: 10 mg/l
Ethyl vanillin - CAS: 121-32-4
Target: Fresh Water - Value: 0.118 mg/l
Target: Marine water - Value: 0.0118 mg/l
Target: Marine water sediments - Value: 15 mg/kg
Target: Marine water sediments - Value: 1.5 mg/kg
Target: 09 - Value: 10 mg/l
Linalool - CAS: 78-70-6
Target: Fresh Water - Value: 0.2 mg/l
Target: Marine water - Value: 0.02 mg/l
Target: Freshwater sediments - Value: 2.22 mg/kg
Target: Marine water sediments - Value: 0.222 mg/kg
Target: 09 - Value: 10 mg/l
HELIOTROPINE - CAS: 120-57-0
Target: Fresh Water - Value: 0.0025 mg/l
Target: Marine water - Value: 0.00025 mg/l
Target: Freshwater sediments - Value: 0.0119 mg/kg
Target: Marine water sediments - Value: 0.0012 mg/kg
Target: 09 - Value: 10 mg/l

8.2. Exposure controls

Eye protection:

Anti-splash goggles
Compliant with EN 166

Protection for skin:

protective clothing

Protection for hands:

Nitrile or Viton gloves.
Compliant with EN 374.

Respiratory protection:

In case of insufficient ventilation, use adequate respiratory protection equipment.

Thermal Hazards:

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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:
Physical state:	Liquid	--	--
Colour:	transparent	--	--
Odour:	Characteristic	--	--
Melting point/freezing point:	N.A.	--	--
Boiling point or initial boiling point and boiling range:	141°C	--	--
Flammability:	N.A.	--	--
Lower and upper explosion limit:	N.A.	--	--
Flash point:	75°C	--	--
Auto-ignition temperature:	220°C	--	--
Decomposition temperature:	N.A.	--	--
pH:	N.A.	--	--
Kinematic viscosity:	N.A.	--	--
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:	0,987	--	--
Relative vapour density:	N.A.	--	--
Particle characteristics:			
Particle size:	N.A.	--	--

9.2. Other information

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No other relevant information

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
 - Excessive heat.
 - Flames and other sources of ignition.
- 10.5. Incompatible materials
 - Strong acids.

 - Strong alkali.
- 10.6. Hazardous decomposition products
 - Thermal decomposition may result in carbon monoxide, carbon dioxide and other unidentified organic compounds.

SECTION 11: Toxicological information

- 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008
- Toxicological information of the product:

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- a) acute toxicity
 - Not classified
 - Based on available data, the classification criteria are not met
 - Test: oecd 10 - Route: Oral > 2000 mg/kg
 - Test: oecd 10 - Route: Skin > 2000 mg/kg
 - Test: oecd 10 - Route: Inhalation > 20 mg/l - Duration: 4h
- 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

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Not classified

Based on available data, the classification criteria are not met

Toxicological information of the main substances found in the product:

Dipropylene glycol methyl ether - CAS: 34590-94-8

a) acute toxicity:

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

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

Test: LC50 - Route: Inhalation > 20 mg/l - Duration: 4h

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

a) acute toxicity:

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

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

Ethyl 2,3-epoxy-3-phenylbutyrate - CAS: 77-83-8

a) acute toxicity:

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

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

Anisyl acetate - CAS: 104-21-2

a) acute toxicity:

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

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

VANILLINE 100% - CAS: 121-33-5

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat 3000 mg/kg

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

Heptanoate allyle - CAS: 142-19-8

a) acute toxicity:

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

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

Ethyl vanillin - CAS: 121-32-4

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat 3000 mg/kg

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

Test: LC50 - Route: Inhalation > 5 mg/l - Duration: 4h

Neryl acetate - CAS: 141-12-8

a) acute toxicity:

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

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

MYRCENE - CAS: 123-35-3

a) acute toxicity:

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

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

Linalool - CAS: 78-70-6

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat 3000 mg/kg

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

Test: LC50 - Route: Inhalation > 20 mg/l - Duration: 4h

Geranyl acetate - CAS: 105-87-3

a) acute toxicity:

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

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

Allyl hexanoate (Allyl caproate) - CAS: 123-68-2

a) acute toxicity:

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

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

2,6-Di-tert-Butyl-p-Cresol - CAS: 128-37-0

a) acute toxicity:

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Test: LD50 - Route: Oral - Species: Rat 10000 mg/kg

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

Test: LC50 - Route: Inhalation > 5 mg/l

HELIOTROPINE - CAS: 120-57-0

a) acute toxicity:

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

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

Beta Pinene - CAS: 127-91-3

a) acute toxicity:

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

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

Coumarin - CAS: 91-64-5

a) acute toxicity:

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

Test: LD50 - Route: Skin > 2000 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.

Dipropyl glycol methyl ether - CAS: 34590-94-8

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish 10000 mg/l - Duration h: 96

Endpoint: LC50 - Species: Daphnia 1919 mg/l - Duration h: 48

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

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish 0.1-1 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia 0.1-1 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae 0.1-1 mg/l - Duration h: 72

Ethyl 2,3-epoxy-3-phenylbutyrate - CAS: 77-83-8

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish 1-10 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia 1-10 mg/l - Duration h: 48

Endpoint: CE5 - Species: Algae 1-10 mg/l - Duration h: 72

VANILLINE 100% - CAS: 121-33-5

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish 57 mg/l - Duration h: 96

Heptanoate allyle - CAS: 142-19-8

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish 0.1-1 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia 0.1-1 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae 0.1-1 mg/l - Duration h: 72

MYRCENE - CAS: 123-35-3

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish 0.1-1 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia 0.1-1 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae 0.1-1 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

Endpoint: EC50 - Species: Daphnia 59 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae 88.3 mg/l - Duration h: 96

Geranyl acetate - CAS: 105-87-3

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- a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish 10-100 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia 10-100 mg/l - Duration h: 48
Endpoint: EC50 - Species: Algae 10-100 mg/l - Duration h: 72

Allyl hexanoate (Allyl caproate) - CAS: 123-68-2

- a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish 0.1-1 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia 0.1-1 mg/l - Duration h: 48
Endpoint: EC50 - Species: Algae 0.1-1 mg/l - Duration h: 72

2,6 -Di-tert-Butyl-p-Cresol - CAS: 128-37-0

- a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish 0.57 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia 0.61 mg/l - Duration h: 48

Beta Pinene - CAS: 127-91-3

- a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish 0.1-1 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia 0.1-1 mg/l - Duration h: 48
Endpoint: EC50 - Species: Algae 0.1-1 mg/l - Duration h: 72

Coumarin - CAS: 91-64-5

- a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish 10-100 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia 10-100 mg/l - Duration h: 48
Endpoint: EC50 - Species: Algae 10-100 mg/l - Duration h: 72

12.2. Persistence and degradability

None

Dipropylen glycol methyl ether - CAS: 34590-94-8

Biodegradability: Readily biodegradable - Duration: 28gg - %: 73

VANILLINE 100% - CAS: 121-33-5

Biodegradability: Readily biodegradable - Duration: 14 days - %: 97

Linalool - CAS: 78-70-6

Duration: 28gg - %: 90

2,6 -Di-tert-Butyl-p-Cresol - CAS: 128-37-0

Biodegradability: Non-readily biodegradable - Duration: 28gg - %: 4.5

12.3. Bioaccumulative potential

Dipropylen glycol methyl ether - CAS: 34590-94-8

Bioaccumulation: Not bioaccumulative - Test: log Pow -0.06

Test: BCF - Bioconcentration factor 1

VANILLINE 100% - CAS: 121-33-5

Bioaccumulation: Not bioaccumulative - Test: log Pow 1.37

Test: BCF - Bioconcentration factor 6

Linalool - CAS: 78-70-6

Test: BCF - Bioconcentration factor 39

Test: log Pow 2.97

2,6 -Di-tert-Butyl-p-Cresol - CAS: 128-37-0

Bioaccumulation: Not bioaccumulative - Test: BCF - Bioconcentration factor 1365

Test: log Pow 5.1

Beta Pinene - CAS: 127-91-3

Bioaccumulation: Bioaccumulative - Test: log Pow 4.35

Test: BCF - Bioconcentration factor 440

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

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None

SECTION 13: Disposal considerations

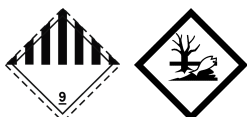
13.1. Waste treatment methods

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 or ID 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.((R)-p-mentha-1,8-diene; d-limonene, 2,6
-Di-tert-Butyl-p-Cresol)

IATA-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S.((R)-p-mentha-1,8-diene; d-limonene, 2,6
-Di-tert-Butyl-p-Cresol)

IMDG-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S.((R)-p-mentha-1,8-diene; d-limonene, 2,6
-Di-tert-Butyl-p-Cresol)

14.3. Transport hazard class(es)

ADR-Class: 9

ADR - Hazard identification number: 90

IATA-Class: 9

IATA-Label: 9

IMDG-Class: 9

Sea (IMO): 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

IMDG-EmS: F-A,
S-F

14.6. Special precautions for user

ADR-Subsidiary hazards: -

ADR-S.P.: NC274 335 375 601

ADR-Transport category (Tunnel restriction code): 3 (E)

IATA-Passenger Aircraft: 964

IATA-Subsidiary hazards: -

IATA-Cargo Aircraft: 964

IATA-S.P.: A97 A158 A197

IATA-ERG: 9L

IMDG-Subsidiary hazards: -

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IMDG-Stowage and handling: Category A
IMDG-Segregation: -
14.7. Maritime transport in bulk according to IMO instruments
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) 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)
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:
No restriction.
- Volatile Organic compounds - VOCs = 50.99 %
Volatile Organic compounds - VOCs = 509.90 g/Kg
Volatile Organic compounds - VOCs = 503.27 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:
H226 Flammable liquid and vapour.

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H304 May be fatal if swallowed and enters airways.
 H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H400 Very toxic to aquatic life.
 H410 Very toxic to aquatic life with long lasting effects.
 H411 Toxic to aquatic life with long lasting effects.
 H319 Causes serious eye irritation.
 H301 Toxic if swallowed.
 H412 Harmful to aquatic life with long lasting effects.
 H311 Toxic in contact with skin.
 H331 Toxic if inhaled.
 H302 Harmful if swallowed.

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
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
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

This safety data sheet has been completely updated in compliance to Regulation 2020/878.
 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 2, H411	Calculation method

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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.