

Safety Data Sheet

FF Boccettino Vetiver ml 4,5



Safety Data Sheet dated 20/12/2020, version 2

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

1.1. Product identifier

Mixture identification:

Trade name: FF Boccettino Vetiver ml 4,5

Trade code: 16621

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

Recommended use:

Car air freshener

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, Skin Irrit. 2, Causes skin irritation.

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

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

Aquatic Chronic 3, 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

Hazard statements:

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

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

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P102 Keep out of reach of children.

P103 Read carefully and follow all instructions.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

EUH208 Contains Linalool. May produce an allergic reaction.

EUH208 Contains 2,6-OCTADIENAL,3,7-DIMETHYL. May produce an allergic reaction.

EUH208 Contains bicyclo&tricyclovetiverol. May produce an allergic reaction.

EUH208 Contains TERPINEOL. May produce an allergic reaction.

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 2,4-dimethylcyclohex-3-ene-1-carbaldehyde. May produce an allergic reaction.

EUH208 Contains GERANIOL. May produce an allergic reaction.

EUH208 Contains Eugenol. May produce an allergic reaction.

EUH208 Contains ALPHA-ISOMETHYL IONONE. May produce an allergic reaction.

EUH208 Contains Citronellol. May produce an allergic reaction.

EUH208 Contains HYDROXYCITRONELLAL. May produce an allergic reaction.

Contains

Linalyl acetate

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:

>= 40% - < 50% DIPROPYLENEGLYCOL MONOMETHYLEETHER

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

Substance with a Union workplace exposure limit.

>= 10% - < 12.5% 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

>= 7% - < 10% 2,6,6,8-TETRAMETHYLTRICYCLO(5,3,1,0UNDECA)8-YL ACETATE

CAS: 77-54-3, EC: 201-036-1

⚠ 4.1/C2 Aquatic Chronic 2 H411

>= 7% - < 10% Linalyl acetate

REACH No.: 01-2119454789-19, CAS: 115-95-7, EC: 204-116-4

⚠ 3.2/2 Skin Irrit. 2 H315

⚠ 3.4.2/1B Skin Sens. 1B H317

⚠ 3.3/2 Eye Irrit. 2 H319

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- >= 3% - < 5% 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

- >= 3% - < 5% Phenylethyl alcohol
REACH No.: 01-2119963921-31, CAS: 60-12-8, EC: 200-456-2
 - ⚠ 3.1/4/Oral Acute Tox. 4 H302
 - ⚠ 3.3/2 Eye Irrit. 2 H319

- >= 3% - < 5% 3-(5,5,6-TRYMETHYLBICYCLO(2,2,1)HEPT-2-YL)CYCLOHEX
REACH No.: 01-2119979583-21, CAS: 3407-42-9, EC: 222-294-1
 - ⚠ 3.2/2 Skin Irrit. 2 H315
 - ⚠ 3.3/2 Eye Irrit. 2 H319

- >= 3% - < 5% 1-(2,2,6-TRIMETHYLCYCLOHEXYL)-3-HEXANOL
CAS: 70788-30-6, EC: 274-892-7
 - ⚠ 3.2/2 Skin Irrit. 2 H315

- >= 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% 1-HEXANOL,3,5,5-TRIMETHYL-,1 ACETATE
REACH No.: 01-2119972325-34, CAS: 58430-94-7, EC: 261-245-9
 - ⚠ 3.2/2 Skin Irrit. 2 H315
 - ⚠ 4.1/C2 Aquatic Chronic 2 H411

- >= 0.5% - < 1% 2,6-OCTADIENAL,3,7-DIMETHYL
CAS: 147060-73-9, EC: 291-768-8
 - ⚠ 2.6/3 Flam. Liq. 3 H226
 - ⚠ 3.2/2 Skin Irrit. 2 H315
 - ⚠ 3.4.2/1B Skin Sens. 1B H317
 - ⚠ 4.1/C3 Aquatic Chronic 3 H412

- >= 0.5% - < 1% 2,4-dimethylcyclohex-3-ene-1-carbaldehyde
REACH No.: 01-2119982384-28, CAS: 68039-49-6, EC: 268-264-1
 - ⚠ 3.2/2 Skin Irrit. 2 H315
 - ⚠ 3.4.2/1 Skin Sens. 1 H317
 - ⚠ 4.1/C2 Aquatic Chronic 2 H411

- >= 0.5% - < 1% bicyclo&tricyclovetiverol
CAS: 89-88-3, EC: 201-949-5
 - ⚠ 3.3/2 Eye Irrit. 2 H319
 - ⚠ 3.2/2 Skin Irrit. 2 H315
 - ⚠ 3.4.2/1B Skin Sens. 1B H317

- >= 0.5% - < 1% TERPINEOL
REACH No.: 01-2119553062-49, CAS: 8000-41-7, EC: 232-268-1
 - ⚠ 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

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>= 0.5% - < 1% 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
- ⚠ 3.4.2/1 Skin Sens. 1 H317
- ⚠ 4.1/C2 Aquatic Chronic 2 H411

>= 0.5% - < 1% GERANIOL

REACH No.: 01-2119552430-49, CAS: 106-24-1, EC: 203-377-1

- ⚠ 3.2/2 Skin Irrit. 2 H315
- ⚠ 3.4.2/1B Skin Sens. 1B H317
- ⚠ 3.3/1 Eye Dam. 1 H318

>= 0.5% - < 1% Eugenol

REACH No.: 01-2119971802-33, CAS: 97-53-0, EC: 202-589-1

- ⚠ 3.3/2 Eye Irrit. 2 H319
- ⚠ 3.4.2/1 Skin Sens. 1 H317

>= 0.5% - < 1% ALPHA-ISOMETHYL IONONE

REACH No.: 01-2119471851-35, CAS: 127-51-5, EC: 215-635-0

- ⚠ 3.4.2/1 Skin Sens. 1 H317
- ⚠ 4.1/C2 Aquatic Chronic 2 H411

>= 0.25% - < 0.5% 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

>= 0.25% - < 0.5% HYDROXYCITRONELLAL

REACH No.: 01-2119973482-31, CAS: 107-75-5, EC: 203-518-7

- ⚠ 3.3/2 Eye Irrit. 2 H319
- ⚠ 3.4.2/1 Skin Sens. 1 H317

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.
- 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

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

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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:

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 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

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8.1. Control parameters

DIPROPYLENEGLYCOL MONOMETHYLEETHER - 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

DNEL Exposure Limit Values

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 - Frequency: Long Term, systemic effects - Notes: ECHA

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

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

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

PNEC Exposure Limit Values

2,4-dimethylcyclohex-3-ene-1-carbaldehyde - CAS: 68039-49-6

Target: Fresh Water - Value: 7.5 03

8.2. Exposure controls

Eye protection:

Eye glasses with side protection.

Safety goggles.

Compliant with EN 166

Protection for skin:

protective clothing

Protection for hands:

PVC (polyvinyl chloride).

Neoprene.

Nitrile.

Compliant with EN 374.

Respiratory protection:

Not needed for normal use.

Thermal Hazards:

None

Environmental exposure controls:

None

Appropriate engineering controls:

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None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes:
Appearance and colour:	Liquid,light yellow	--	--
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:	0,923	--	--
Solubility in water:	Non Soluble	--	--
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

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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 under normal conditions
- 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:
FF Boccettino Vetiver ml 4,5
 - 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. 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

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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

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

g) reproductive toxicity:

Test: NOAEL 1000 mg/kg - Notes: maternal, foetal

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

g) reproductive toxicity:

Test: NOAEL 500 mg/kg

Linalool - CAS: 78-70-6

a) acute toxicity:

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

Test: LD50 - Route: Oral - Species: Mouse 2200 mg/kg

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

Phenylethyl alcohol - CAS: 60-12-8

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 1609.3 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit = 2535 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat > 4.63 mg/l

Test: LD50 - Route: Oral 2234 mg/kg

b) skin corrosion/irritation:

Test: Skin Irritant Positive

Test: Skin Sensitization Negative

Test: Eye Irritant Positive

d) respiratory or skin sensitisation:

Test: Inhalation Sensitization Positive

1-(2,2,6-TRIMETHYLCYCLOHEXYL)-3-HEXANOL - CAS: 70788-30-6

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 5000

Test: LD50 - Route: Skin - Species: Rabbit > 2000

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

1-HEXANOL,3,5,5-TRIMETHYL-,1 ACETATE - CAS: 58430-94-7

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 4250 mg/kg - Notes: OECD 401

Test: LD50 - Route: Skin - Species: Rabbit > 5000 mg/kg - Notes: OECD 402

2,4-dimethylcyclohex-3-ene-1-carbaldehyde - CAS: 68039-49-6

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 3900 mg/kg

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

TERPINEOL - CAS: 8000-41-7

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- a) acute toxicity:
 - Test: LD50 - Route: Oral - Species: Rat > 2000 mg/kg
 - Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg
 - Test: LC50 - Route: Inhalation - Species: Rat > 4.76 mg/l
 - b) skin corrosion/irritation:
 - Test: Skin Irritant - Species: Rabbit Positive - Duration: 24h
 - g) reproductive toxicity:
 - Test: NOAEL 600 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
- GERANIOL - CAS: 106-24-1
- a) acute toxicity:
 - Test: LD50 - Route: Oral - Species: Rat 3600 mg/kg
 - Test: NOEL 41385 µg/cm²
 - g) reproductive toxicity:
 - Test: NOAEL 300 mg/kg
- ALPHA-ISOMETHYL IONONE - CAS: 127-51-5
- a) acute toxicity:
 - Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg
 - Test: LD50 - Route: Skin - Species: Rabbit > 5000 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: Skin Irritant - Route: Skin - Species: Rabbit Positive - Duration: 24h
 - g) reproductive toxicity:
 - Test: NOAEL 300 mg/kg

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

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

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

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

Phenylethyl alcohol - CAS: 60-12-8

a) Aquatic acute toxicity:

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- Endpoint: EC50 - Species: Daphnia 287.17 mg/l - Duration h: 48
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
1-HEXANOL,3,5,5-TRIMETHYL-,1 ACETATE - CAS: 58430-94-7
a) Aquatic acute toxicity:
Endpoint: EC50 - Species: Daphnia > 5.4 mg/l - Duration h: 24 - Notes: OECD 202
Endpoint: EC50 - Species: Algae > 3.8 mg/l - Duration h: 72
Endpoint: LC50 - Species: Fish = 7.7 mg/l - Duration h: 96 - Notes: OECD 203
TERPINEOL - CAS: 8000-41-7
a) Aquatic acute toxicity:
Endpoint: EC50 - Species: Daphnia 79 - Duration h: 48
Endpoint: EC50 - Species: Algae 68 - Duration h: 72
Endpoint: LC50 - Species: Fish 62
ALPHA-ISOMETHYL IONONE - CAS: 127-51-5
a) Aquatic acute toxicity:
Endpoint: EC50 - Species: Fish 10.9 mg/l - Duration h: 96 - Notes: OECD 203
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
- 12.2. Persistence and degradability
None
2,6-dimethyloct-7-en-2-ol - CAS: 18479-58-8
Biodegradability: Readily biodegradable - Test: BIOGDG06 - Duration: 28gg - %: 72.1
Linalyl acetate - CAS: 115-95-7
Biodegradability: Readily biodegradable - Test: BIOGDG06 - Duration: 28gg - %: 76
Linalool - CAS: 78-70-6
Biodegradability: Readily biodegradable - Test: BIOGDG08 - Duration: 28gg - %: 64.2
Linalyl acetate - CAS: 115-95-7
Biodegradability: Readily biodegradable - Test: BIOGDG06 - Duration: 28gg - %: 70
- 12.3. Bioaccumulative potential
2,4-dimethylcyclohex-3-ene-1-carbaldehyde - CAS: 68039-49-6
Test: log Pow 2.7
- 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

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- UN number: UN 3082
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. Transport in bulk according to Annex II of Marpol and the IBC Code
No

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 3
Restriction 40
Restrictions related to the substances contained:
No restriction.
- Volatile Organic compounds - VOCs = 18.42 %
Volatile Organic compounds - VOCs = 184.22 g/Kg
Volatile Organic compounds - VOCs = 170.04 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
None

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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.

H319 Causes serious eye irritation.

H411 Toxic to aquatic life with long lasting effects.

H317 May cause an allergic skin reaction.

H302 Harmful if swallowed.

H226 Flammable liquid and vapour.

H412 Harmful to aquatic life with long lasting effects.

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
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. 1B	3.4.2/1B	Skin Sensitisation, Category 1B
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

Paragraphs modified from the previous revision:

SECTION 2: Hazards identification

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. 1B, H317	Calculation method
Aquatic Chronic 3, H412	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.