according to Regulation (EU) No 2020/878

Product name: CAR AIR FRESHENER-Velvet Rose &Oud

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# SECTION 1. Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Product name : CAR AIR FRESHENER-Velvet Rose &Oud

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

Use of the : Car air freshener

Substance/Mixture

# 1.3 Details of the supplier of the safety data sheet

Company : FRSH SCENTS LIMITED

Address : Unit 04-05, 16th Floor, The Broadway No. 54 62 Lockhart Road,

Wanchai, Hong Kong

Telephone : +86 769 88288882

E-mail address : DORIS@FRSHSCENTSCHINA.COM

UK Importer : JRP Distribution Ltd | PO20 2FT | Tel:+44 (0)1903 750355

EU Representative : Authorised Rep Compliance Ltd., Ground Floor, 71 Lower Baggot Street,

Dublin, D02 P593, Ireland.

#### 1.4 Emergency telephone number

Emergency telephone : ChemTel Inc.

number (800)255-3924 (North America)

+1 (813)248-0585 (International)

### **SECTION 2. Hazards identification**

#### 2.1 Classification of the substance or mixture

# 2.1.1 Classification according to Regulation (EC) No 1272/2008

Skin Irrit. 2 H315
Skin Sens. 1B H317
Eye Irrit. 2 H319
Aquatic Chronic 2 H411

#### 2.1.2 Additional information:

For full text of Hazard- and EU Hazard-statements: see SECTION 16.

#### 2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms

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Signal word: Warning

Hazard statements:

H315 Causes skin irritation

H317 May cause an allergic skin reaction
H319 Causes serious eye irritation

H411 Toxic to aquatic life with long lasting effects

Precautionary statements:

P264 Wash exposed skin thoroughly after handling.

P280 Wear protective gloves / protective clothing / eye protection / face

protection.

P261 Avoid breathing dust/fume/gas/mist/ vapours/spray.

P272 Contaminated work clothing should not be allowed out of the workplace.

P273 Avoid release to the environment.
P302 + P352 IF ON SKIN: Wash with plenty water.

P321 Specific treatment (see section 4 on this SDS).
P332 + P313 If skin irritation occurs: Get medical advice/attention.
P362 Take off contaminated clothing and wash before reuse.
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.

P363 Wash contaminated clothing before reuse.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/attention.

P391 Collect spillage.

P501 Dispose of contents/container in accordance with

local/regional/national/international regulations.

# Derogations from labelling requirements

Hazard pictograms



Signal word: Warning

Hazard statements:

H315 Causes skin irritation

H317 May cause an allergic skin reaction
H319 Causes serious eye irritation

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.

P273 Avoid release to the environment.
P302 + P352 IF ON SKIN: Wash with plenty water.
P321 Specific treatment (see section 4 on SDS).

P332 + P313 If skin irritation occurs: Get medical advice/attention.

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

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing.

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P337 + P313 If eye irritation persists: Get medical advice/attention.

P391 Collect spillage.

#### 2.3 Other hazards

This product contains no substances assessed to be PBT or vPvB at levels of 0.1% or higher.

Endocrine disrupting properties

Environment : The substance/mixture does not contain components considered to have

endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission

Regulation (EU) 2018/605 at levels of 0.1% or higher.

Human Health : The substance/mixture does not contain components considered to have

endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission

Regulation (EU) 2018/605 at levels of 0.1% or higher.

# **SECTION 3. Composition/information on ingredients**

# 3.1 Substances

Not applicable

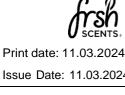
#### 3.2 Mixtures

Registration number	Classification according to Regulation (EC) No 1272/2008	Concentration (% w/w)
3,5,5-trimethylhexyl aceta	ate (CAS No.: 58430-94-7) (EC No.: 261-2	45-9)
	Skin Irrit. 2, H315 Aquatic Chronic 2, H411	30-35%
Benzyl benzoate(CAS No	o.: 120-51-4) (EC No.: 204-402-9)	
	Acute Tox. 4, H302 Aquatic Chronic 2, H411	10-15%
Hedione (CAS No.: 2485	1-98-7) (EC No.: 246-495-9)	
		10-15%
Cedarwood oil(CAS No.:	8000-27-9) (EC No.: 616-769-6)	
	Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	10-15%

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2-phenylethanol(CAS	No.: 60-12-8 ) (EC No.: 200-456-2)	
	Acute Tox. 4, H302 Eye Irrit. 2, H319	5-15%
Patchouli oil (CAS No.	: 8014-09-3) (EC No.: 692-003-4)	
	Aquatic Chronic 3, H412	1-5%
Iso-methylionone (CAS	S No.: 127-51-5) (EC No.: 204-846-3)	
	Skin Irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319 Aquatic Chronic 2, H411	1-5%
α-methyl-1,3-benzodio	xole-5-propionaldehyde(CAS No.: 1205-17-0)	(EC No.: 214-881-6)
	Aquatic Chronic 2, H411	1-5%
2-ethyl-4-(2,2,3-trimethe 908-8)	nyl-3-cyclopenten-1-yl)-2-buten-1-ol(CAS No.:	28219-61-6) (EC No.: 248-
	Eye Irrit. 2, H319 Aquatic Chronic 1, H410	1-5%
Citronellol (CAS No.: 4	198-00-0) (EC No.: 207-852-4)	
	Skin Irrit. 2, H315 Eye Irrit. 2, H319	1-5%
Linalyl acetate (CAS N	lo.:115-95-7) (EC No.: 204-116-4)	
	Skin Irrit. 2, H315 Eye Irrit. 2, H319	1-5%

# **SECTION 4. First aid measures**

# 4.1 Description of first aid measures

General advice : If potential for exposure exists refer to Section 8 for specific personal

protective equipment.

If inhaled : Not expected to be irritating to the respiratory system.

On skin contact : Wash with plenty of soap and water.

On contact with eyes : Remove contact lenses, if present and easy to do. Continue rinsing.

Irrigate copiously with clean, fresh water for at least 10 minutes, holding

the eyelids apart.

On ingestion : Rinse mouth with water. Call a physician immediately.

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

Symptoms : Further important symptoms and effects are so far not known.

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

Treatment : No information available.

according to Regulation (EU) No 2020/878

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### **SECTION 5: Firefighting measures**

# 5.1 Extinguishing media

Suitable extinguishing

media

Water fog or fine spray. Dry chemical fire extinguishers. Carbon dioxide

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fire extinguishers. Foam.

#### 5.2 Special hazards arising from the substance or mixture

Specific hazards during :

firefighting

During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating. Combustion products may include and are not limited to:

Carbon monoxide. Carbon dioxide.

#### 5.3 Advice for firefighters

Special protective

equipment

Wear positive-pressure self-contained breathing apparatus (SCBA) and

protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots, and gloves). If protective equipment is not available or

not used, fight fire from a protected location or safe distance.

Further information : No information available.

### **SECTION 6: Accidental release measures**

#### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Ensure adequate ventilation. Avoid skin contact.

### 6.2 Environmental precautions

Environmental precautions

Do not release to the environment.

### 6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Absorb spill and scrub the area with detergent. Dilute with water.

Ventilate area and eliminate all ignition sources.

#### 6.4 Reference to other sections

References to other sections, if applicable, have been provided in the previous sub-sections.

# **SECTION 7: Handling and storage**

# 7.1 Precautions for safe handling

Advice on safe handling : Keep out of reach of children. Read label before use.

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Advice on protection against fire and explosion

No information available.

### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for

Protect against external exposure, such as heat, high temperatures.

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storage

areas and containers

# 7.3 Specific end use(s)

no data available

# **SECTION 8: Exposure controls/personal protection**

#### 8.1 Control parameters

No data available.

#### 8.2 Exposure controls

**Engineering controls** : Not required under normal conditions of use.

Eye protection : Not required for normal handling. Wear eye/face protection.

Hand protection : Not required under normal conditions of use. Wear protective gloves to

handle contents of damaged or leaking units.

Body and skin protection : Not required under normal conditions of use. Protection may be required

for spills.

General safety and

hygiene measures

Not required under normal conditions of use.

Respiratory protection : Not required under normal conditions of use.

Environmental exposure controls

See SECTION 7: Handling and storage and SECTION 13: Disposal considerations for measures to prevent excessive environmental exposure during use and waste disposal.

# **SECTION 9: Physical and chemical properties**

# 9.1 Information on basic physical and chemical properties

Appearance: : liquid

Odour : pleasant

Odour threshold : no data available

pH : no data available

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Melting point : no data available

Boiling point : no data available

Flash point : >72°C

Evaporation rate : no data available

Flammability (solid, gas) : not applicable

Upper/lower flammability :

or explosive limits

no data available

Vapour pressure : no data available

Vapour density : no data available

Relative density : no data available

Water solubility : not determined

Partition coefficient: n-

octanol/water

no data available

Auto-ignition temperature: no data available

Decomposition

temperature

no data available

Viscosity, dynamic : not determined

Explosive properties : none

Oxidising properties : none

9.2 Other information

no data available

### **SECTION 10: Stability and Reactivity**

**10.1 Reactivity** : No hazardous reactions if stored and handled as prescribed/indicated.

**10.2 Chemical stability** : Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

Product will not undergo polymerization.

10.4 Conditions to

avoid

Avoid all sources of ignition: heat, sparks, open flame.

10.5 Incompatible

materials

Strong acids. Strong bases. Strong oxidizers.

10.6 Hazardous decomposition

products

No hazardous decomposition products if stored and handled as

prescribed/indicated.

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# **SECTION 11: Toxicological information**

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

### Information on likely routes of exposure

Acute toxicity (represents short term exposures with immediate effects - no chronic/delayed effects known unless otherwise noted)

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### **Acute Toxicity Endpoints:**

#### **Acute oral toxicity**

#### Information for the Product:

Shall not be classified as acutely toxic (oral).

As product: Single dose oral LD50 has not been determined.

Based on information for component(s): LD50, > 2 000 mg/kg Estimated.

### Information for components:

3,5,5-trimethylhexyl acetate
GHS criteria not met
LD50, Rat, 4250 mg/kg bw, OECD Guideline 401

Benzyl benzoate

GHS criteria not met LD50, Rat, 1700 mg/kg

Cedarwood oil

not classified

LD50, Rat, >5000 mg/kg

2-phenylethanol

Sligthly toxic

LD50, Rat, 1609.3 mg/kg

Patchouli oil

LD50, Rat, >2000 mg/kg, estimated

Iso-methylionone

LD50, Rat, >5000 mg/kg

α-methyl-1,3-benzodioxole-5-propionaldehyde

LD50, Rat, 3362 mg/kg

2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol

LD50, Rat, >2000 mg/kg, estimated

Citronellol

LD50, Rat, >2000 mg/kg, estimated

Linalyl acetate

LD50, Rat, 14,550 mg/kg

# **Acute dermal toxicity**

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# Information for the Product:

Shall not be classified as acutely toxic (dermal).

As product: The dermal LD50 has not been determined.

Based on information for component(s): LD50, > 2 000 mg/kg Estimated.

### Information for components:

3,5,5-trimethylhexyl acetate LC50, rat, >20 mg/L, estimated

Benzyl benzoate

LC50, rat, >20 mg/L, estimated

Cedarwood oil

LC50, rat, >20 mg/L, estimated

2-phenylethanol

practically nontoxic

LC50, Rat, 4h, > 4.63 mg/L air (nominal)

Patchouli oil

LC50, rat, >20 mg/L, estimated

Iso-methylionone

LC50, rat, >20 mg/L, estimated

α-methyl-1,3-benzodioxole-5-propionaldehyde

LC50, rat, >20 mg/L, estimated

2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol

LC50, rat, >20 mg/L, estimated

Citronellol

LC50, rat, >20 mg/L, estimated

Linalyl acetate

LC50, mice, 4h, > 1,028 mg/m3

# Acute inhalation toxicity

Information for the Product:

Shall not be classified as acutely toxic (inhalation).

As product: The LC50 has not been determined.

Information for components:

3,5,5-trimethylhexyl acetate

GHS criteria not met

LD50, rabbit, >5000 mg/kg bw

Benzyl benzoate

GHS criteria not met

LD50, rabbit, >2 mL/kg bw (~2000 mg/kg bw)

Cedarwood oil

not classified

LD50, rabbit, >5000 mg/kg

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2-phenylethanol not classified LD50, rabbit, 2535 mg/kg

Patchouli oil

LD50, rabbit, >2000 mg/kg, estimated

Iso-methylionone

LD50, rabbit, >5000 mg/kg

 $\alpha\text{-methyl-1,3-benzodioxole-5-propional dehyde}$ 

LD50, rabbit, >2000 mg/kg

2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol

LD50, rabbit, >2000 mg/kg, estimated

Citronellol

LD50, rabbit, >2000 mg/kg, estimated

Linalyl acetate

LD50, Rabbits, >5000 mg/kg bw

#### Skin corrosion/irritation

#### Information for the Product:

Causes skin irritation.

### Information for components:

3,5,5-trimethylhexyl acetate

Causes skin irritation

Benzyl benzoate

Shall not be classified as corrosive/irritant to skin

Cedarwood oil

Shall not be classified as corrosive/irritant to skin

2-phenylethanol

Shall not be classified as corrosive/irritant to skin

Patchouli oil

Shall not be classified as corrosive/irritant to skin

Iso-methylionone

Causes skin irritation

 $\alpha\text{-methyl-1,3-benzodioxole-5-propional dehyde}$ 

Shall not be classified as corrosive/irritant to skin

2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol

Shall not be classified as corrosive/irritant to skin

Citronellol

Causes skin irritation

Linalyl acetate

Causes skin irritation

# Serious eye damage/eye irritation

# Information for the Product:

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Causes serious eye irritation.

# Information for components:

3,5,5-trimethylhexyl acetate

Shall not be classified as irritant to eye

Benzyl benzoate

Shall not be classified as irritant to eye

Cedarwood oil

Shall not be classified as irritant to eye

2-phenylethanol

Causes serious eye irritation

Patchouli oil

Shall not be classified as irritant to eye

Iso-methylionone

Causes serious eye irritation

α-methyl-1,3-benzodioxole-5-propionaldehyde

Shall not be classified as irritant to eye

2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol

Causes serious eye irritation

Citronellol

Causes serious eye irritation

Linalyl acetate

Causes serious eye irritation

#### Respiratory or skin sensitisation

# Information for the Product:

May cause an allergic skin reaction.

# Information for components:

3,5,5-trimethylhexyl acetate

For skin sensitization:

Shall not be classified as a skin sensitiser

For respiratory sensitization:

Shall not be classified as a respiratory sensitiser.

#### Benzyl benzoate

For skin sensitization:

Shall not be classified as a skin sensitiser

For respiratory sensitization:

Shall not be classified as a respiratory sensitiser.

#### Cedarwood oil

For skin sensitization:

Shall not be classified as a skin sensitiser

For respiratory sensitization:

Shall not be classified as a respiratory sensitiser.

2-phenylethanol

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For skin sensitization:

Shall not be classified as a skin sensitiser

For respiratory sensitization:

Shall not be classified as a respiratory sensitiser.

Patchouli oil

For skin sensitization:

Shall not be classified as a skin sensitiser

For respiratory sensitization:

Shall not be classified as a respiratory sensitiser.

Iso-methylionone

For skin sensitization:

May cause an allergic skin reaction

For respiratory sensitization:

Shall not be classified as a respiratory sensitiser.

α-methyl-1,3-benzodioxole-5-propionaldehyde

For skin sensitization:

Shall not be classified as a skin sensitiser

For respiratory sensitization:

Shall not be classified as a respiratory sensitiser.

2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol

For skin sensitization:

Shall not be classified as a skin sensitiser

For respiratory sensitization:

Shall not be classified as a respiratory sensitiser.

Citronellol

For skin sensitization:

Shall not be classified as a skin sensitiser

For respiratory sensitization:

Shall not be classified as a respiratory sensitiser.

Linalyl acetate

For skin sensitization:

Shall not be classified as a skin sensitiser

For respiratory sensitization:

Shall not be classified as a respiratory sensitiser.

### Germ cell mutagenicity

#### Information for the Product:

Shall not be classified as germ cell mutagenic.

### Information for components:

3,5,5-trimethylhexyl acetate

Shall not be classified as germ cell mutagenic

Benzyl benzoate

Shall not be classified as germ cell mutagenic

Cedarwood oil

Shall not be classified as germ cell mutagenic

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2-phenylethanol

Shall not be classified as germ cell mutagenic

Patchouli oil

Shall not be classified as germ cell mutagenic

Iso-methylionone

Shall not be classified as germ cell mutagenic

α-methyl-1,3-benzodioxole-5-propionaldehyde Shall not be classified as germ cell mutagenic

2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol

Shall not be classified as germ cell mutagenic

Citronellol

Shall not be classified as germ cell mutagenic

Linalyl acetate

Shall not be classified as germ cell mutagenic

# Carcinogenicity

#### Information for the Product:

Shall not be classified as carcinogenic.

#### Information for components:

3,5,5-trimethylhexyl acetate

Shall not be classified as carcinogenic

Benzyl benzoate

Shall not be classified as carcinogenic

Cedarwood oil

Shall not be classified as carcinogenic

2-phenylethanol

Shall not be classified as carcinogenic

Patchouli oil

Shall not be classified as carcinogenic

Iso-methylionone

Shall not be classified as carcinogenic

α-methyl-1,3-benzodioxole-5-propionaldehyde

Shall not be classified as carcinogenic

2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol

Shall not be classified as carcinogenic

Citronellol

Shall not be classified as carcinogenic

Linalyl acetate

Shall not be classified as carcinogenic

#### Reproductive toxicity

### Information for the Product:

Shall not be classified as a reproductive toxicant.

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#### Information for components:

3,5,5-trimethylhexyl acetate

Shall not be classified as a reproductive toxicant

Benzyl benzoate

Shall not be classified as a reproductive toxicant

Cedarwood oil

Shall not be classified as a reproductive toxicant

2-phenylethanol

Shall not be classified as a reproductive toxicant

Patchouli oil

Shall not be classified as a reproductive toxicant

Iso-methylionone

Shall not be classified as a reproductive toxicant

α-methyl-1,3-benzodioxole-5-propionaldehyde

Shall not be classified as a reproductive toxicant

2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol

Shall not be classified as a reproductive toxicant

Citronellol

Shall not be classified as a reproductive toxicant

Linalyl acetate

Shall not be classified as a reproductive toxicant

# STOT-single exposure

#### Information for the Product:

Shall not be classified as a specific target organ toxicant (single exposure).

#### Information for components:

3,5,5-trimethylhexyl acetate

Shall not be classified as a specific target organ toxicant (single exposure)

Benzyl benzoate

Shall not be classified as a specific target organ toxicant (single exposure)

Cedarwood oil

Shall not be classified as a specific target organ toxicant (single exposure)

2-phenylethanol

Shall not be classified as a specific target organ toxicant (single exposure)

Patchouli oil

Shall not be classified as a specific target organ toxicant (single exposure)

Iso-methylionone

Shall not be classified as a specific target organ toxicant (single exposure)

α-methyl-1,3-benzodioxole-5-propionaldehyde

Shall not be classified as a specific target organ toxicant (single exposure)

2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol

Shall not be classified as a specific target organ toxicant (single exposure)

Citronellol

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Shall not be classified as a specific target organ toxicant (single exposure)

Linalyl acetate

Shall not be classified as a specific target organ toxicant (single exposure)

#### STOT-repeated exposure

#### Information for the Product:

Shall not be classified as a specific target organ toxicant (repeated exposure).

#### Information for components:

3,5,5-trimethylhexyl acetate

Shall not be classified as a specific target organ toxicant (repeated exposure)

Benzyl benzoate

Shall not be classified as a specific target organ toxicant (repeated exposure)

Cedarwood oil

Shall not be classified as a specific target organ toxicant (repeated exposure)

2-phenylethanol

Shall not be classified as a specific target organ toxicant (repeated exposure)

Patchouli oil

Shall not be classified as a specific target organ toxicant (repeated exposure)

Iso-methylionone

Shall not be classified as a specific target organ toxicant (repeated exposure)

α-methyl-1,3-benzodioxole-5-propionaldehyde

Shall not be classified as a specific target organ toxicant (repeated exposure)

2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol

Shall not be classified as a specific target organ toxicant (repeated exposure)

Citronellol

Shall not be classified as a specific target organ toxicant (repeated exposure)

Linalyl acetate

Shall not be classified as a specific target organ toxicant (repeated exposure)

# **Aspiration Hazard**

#### Information for the Product:

Shall not be classified as presenting an aspiration hazard.

#### Information for components:

3,5,5-trimethylhexyl acetate

Shall not be classified as presenting an aspiration hazard

Benzyl benzoate

Shall not be classified as presenting an aspiration hazard

Cedarwood oil

May be fatal if swallowed and enters airways

2-phenylethanol

Shall not be classified as presenting an aspiration hazard

Patchouli oil

Shall not be classified as presenting an aspiration hazard

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Iso-methylionone

Shall not be classified as presenting an aspiration hazard

α-methyl-1,3-benzodioxole-5-propionaldehyde

Shall not be classified as presenting an aspiration hazard

2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol Shall not be classified as presenting an aspiration hazard

Citronellol

Shall not be classified as presenting an aspiration hazard

Linalyl acetate

Shall not be classified as presenting an aspiration hazard

11.2 Information on other hazards

Endocrine disrupting properties

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Information for components:

#### 3,5,5-trimethylhexyl acetate

The substance is not considered to have endocrine disrupting properties according to REACH Article 57(f), Commission Regulation (EU) 2018/605 or Commission Delegated Regulation (EU) 2017/2100.

#### Benzyl benzoate

The substance is not considered to have endocrine disrupting properties according to REACH Article 57(f), Commission Regulation (EU) 2018/605 or Commission Delegated Regulation (EU) 2017/2100.

#### Cedarwood oil

The substance is not considered to have endocrine disrupting properties according to REACH Article 57(f), Commission Regulation (EU) 2018/605 or Commission Delegated Regulation (EU) 2017/2100.

#### 2-phenylethanol

The substance is not considered to have endocrine disrupting properties according to REACH Article 57(f), Commission Regulation (EU) 2018/605 or Commission Delegated Regulation (EU) 2017/2100.

#### Patchouli oil

The substance is not considered to have endocrine disrupting properties according to REACH Article 57(f), Commission Regulation (EU) 2018/605 or Commission Delegated Regulation (EU) 2017/2100.

#### Iso-methylionone

The substance is not considered to have endocrine disrupting properties according to REACH Article 57(f), Commission Regulation (EU) 2018/605 or Commission Delegated Regulation (EU) 2017/2100.

# α-methyl-1,3-benzodioxole-5-propionaldehyde

The substance is not considered to have endocrine disrupting properties according to REACH Article 57(f), Commission Regulation (EU) 2018/605 or Commission Delegated Regulation (EU) 2017/2100.

### 2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol

The substance is not considered to have endocrine disrupting properties according to REACH Article 57(f), Commission Regulation (EU) 2018/605 or Commission Delegated Regulation (EU) 2017/2100.

#### Citronellol

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The substance is not considered to have endocrine disrupting properties according to REACH Article 57(f), Commission Regulation (EU) 2018/605 or Commission Delegated Regulation (EU) 2017/2100.

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#### Linalyl acetate

The substance is not considered to have endocrine disrupting properties according to REACH Article 57(f), Commission Regulation (EU) 2018/605 or Commission Delegated Regulation (EU) 2017/2100.

### **SECTION 12: Ecological information**

#### 12.1 Toxicity

### 3,5,5-trimethylhexyl acetate

Short-term toxicity to fish LC50, fathead minnow, 96h, 7.7 mg/L

Toxicity to aquatic algae and cyanobacteria

ErC10, freshwater green alga Pseudokirchneriella subcapitata, 72h, 0.65 mg/L

Toxicity to microorganisms

EC10 or NOEC, activated sludge, 100 mg/L, OECD 301F

#### Benzyl benzoate

Short-term toxicity to fish LC50, Brachydanio rerio, 96h, 2.32 mg/L.

Long-term toxicity to fish

EC10, Danio rerio, 35d, 0.032 mg/L

Short-term toxicity to aquatic invertebrates

EC50, Daphnia magna, 3.09 mg/L, OECD 202

Long-term toxicity to aquatic invertebrates

NOEC, Daphnia magna, 21d, 0.258 mg/L, OECD Guideline 211

Toxicity to microorganisms

EC50, activated sludge, 3h, >1000 mg/L

# Cedarwood oil

Short-term toxicity to fish

LL50, fish, 96h, 6.8 mg/L

Short-term toxicity to aquatic invertebrates

EL50, Daphnia magna, 48h, 1.3 mg/L

Toxicity to aquatic algae and cyanobacteria

ErL50, algae, 72h, 2.9 mg/L

Toxicity to microorganisms

EC10, activated sludge, 3h, inhibition of total respiration, 301 mg/L

#### 2-phenylethanol

Short-term toxicity to fish

LC50, fish, 96h, >215 to <464 mg/L

Short-term toxicity to aquatic invertebrates

EC50, Daphnia magna, 48h, 287.17 mg/L

Toxicity to aquatic algae and cyanobacteria

ErC50, algae, 72h, 1.3 g/L

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Toxicity to microorganisms

EC50, activated sludge, 3h, >100 mg/L

#### Iso-methylionone

Short-term toxicity to fish

Material is toxic to fish and can be classified as aquatic acute 2.

EC50, fish, 96h, 1.428 mg/L

Short-term toxicity to aquatic invertebrates

Substance is likely to be hazardous to aquatic invertebrate and can be classified as aquatic acute 2 category.

EC50, Daphnia magna, 72h, 4.7 mg/L,

OECD Guideline 202

Toxicity to aquatic algae and cyanobacteria

No toxicity at the limit of solubility

EC50, Desmodesmus subspicatus, 72h, >20 mg/L,

OECD Guideline 201

Toxicity to microorganisms

MIC, microorganisms, 2-10 days, 100 mg/l to 894.195 mg/l

# α-methyl-1,3-benzodioxole-5-propionaldehyde

Short-term toxicity to fish

LC50, 96h, 5.3 mg/L

Long-term toxicity to fish

The substance is not aquatic toxic.

Short-term toxicity to aquatic invertebrates

EC50, daphnia, 48h, 8.3 mg/L

Long-term toxicity to aquatic invertebrates

Substance is not chronic toxic to daphnids.

Toxicity to aquatic algae and cyanobacteria

EC50, Alga, 72h, 28 mg/L, OECD Guideline 201

Toxicity to microorganisms

EC50, activated sewage sludge, 3h, 100 to 1000 mg/L, OECD Guideline 209

#### Linalyl acetate

Short-term toxicity to fish

LC50, 96h, 11 mg/L, OECD Guideline 203

Short-term toxicity to aquatic invertebrates

EC50, 48h, 59 mg/L, OECD Guideline 202

Toxicity to aquatic algae and cyanobacteria

EC50, 72h, 68 mg/L

NOEC, 3.9 mg/L

Toxicity to microorganisms

NOEC, 25.7 mg/L

# 12.2 Persistence and degradability

3,5,5-trimethylhexyl acetate

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Readily biodegradable Biodegradation: 80% Exposure time: 28d

Benzyl benzoate Readily biodegradable Biodegradation: 94% Exposure time: 28d Method: EU Method C.4-D

Cedarwood oil

Inherently biodegradable Biodegradation: 36% Exposure time: 28d Method: OECD 301F Biodegradation: 56% Exposure time: 60d Method: OECD 301F

2-phenylethanol

Readily biodegradable, OECD guideline 301B

Iso-methylionone Biodegradability:

inherently biodegradable Biodegradation: 42.51% Exposure time: 28d

Method: OECD Guideline 301 D

α-methyl-1,3-benzodioxole-5-propionaldehyde

Considered as "readily biodegradable, but failing the 10-d window".

Biodegradation: 66% Exposure time: 29d Method: OECD 301F

Linalyl acetate Readily biodegradable Biodegradation: 76% Exposure time: 28d

### 12.3 Bioaccumulative potential

3,5,5-trimethylhexyl acetate

The substance is considered as not bioaccumulative.

Log Kow: 504 L/kg, estimated BCF: 1622 L/kg, estimated

Benzyl benzoate

Log Kow of 3.97.

The calculated BCF was 193.4 L/kg (log BCF = 2.286).

2-phenylethanol

As the substance has a log octanol-water partition coefficient of less than 3 and is therefore considered to have low potential for bioaccumulation.

α-methyl-1,3-benzodioxole-5-propionaldehyde

according to Regulation (EU) No 2020/878

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The substance has no potential for bioaccumulation.

log Kow = 2.4

Linalyl acetate BCF: 174 L/kg ww.

### 12.4 Mobility in soil

3,5,5-trimethylhexyl acetate
Slightly mobile in soil and sediment.

Benzyl benzoate

Low mobility in soils and sediment. log Koc of 3.8 (Koc= 6310 L/kg)

Cedarwood oil LogKoc: 4.21 Koc: 16 310(20 °C)

2-phenylethanol

LogKoc: 1.5, OECD guideline 121.

Iso-methylionone

Log Koc 3.486 ± 0.002 at 25°C, OECD Guideline-121

α-methyl-1,3-benzodioxole-5-propionaldehyde

The adsorption coefficient (Koc) of the test material was determined to be 71.3, logKoc 1.85.

Linalyl acetate Koc: 432.4(20 °C)

# 12.5 Results of PBT and vPvB assessment

### 3,5,5-trimethylhexyl acetate

This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).

### Benzyl benzoate

This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).

#### Cedarwood oil

This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).

# 2-phenylethanol

This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).

#### Patchouli oil

This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).

### Iso-methylionone

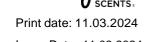
This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).

#### α-methyl-1,3-benzodioxole-5-propionaldehyde

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This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).

#### 2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol

This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).

#### Citronellol

This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).

#### Linalyl acetate

This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).

#### 12.6 Endocrine disrupting properties

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

#### 3,5,5-trimethylhexyl acetate

The substance is not considered to have endocrine disrupting properties according to REACH Article 57(f), Commission Regulation (EU) 2018/605 or Commission Delegated Regulation (EU) 2017/2100.

#### Benzyl benzoate

The substance is not considered to have endocrine disrupting properties according to REACH Article 57(f), Commission Regulation (EU) 2018/605 or Commission Delegated Regulation (EU) 2017/2100.

#### Cedarwood oil

The substance is not considered to have endocrine disrupting properties according to REACH Article 57(f), Commission Regulation (EU) 2018/605 or Commission Delegated Regulation (EU) 2017/2100.

### 2-phenylethanol

The substance is not considered to have endocrine disrupting properties according to REACH Article 57(f), Commission Regulation (EU) 2018/605 or Commission Delegated Regulation (EU) 2017/2100.

### Patchouli oil

The substance is not considered to have endocrine disrupting properties according to REACH Article 57(f), Commission Regulation (EU) 2018/605 or Commission Delegated Regulation (EU) 2017/2100.

#### Iso-methylionone

The substance is not considered to have endocrine disrupting properties according to REACH Article 57(f), Commission Regulation (EU) 2018/605 or Commission Delegated Regulation (EU) 2017/2100.

### α-methyl-1,3-benzodioxole-5-propionaldehyde

The substance is not considered to have endocrine disrupting properties according to REACH Article 57(f), Commission Regulation (EU) 2018/605 or Commission Delegated Regulation (EU) 2017/2100.

### 2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol

The substance is not considered to have endocrine disrupting properties according to REACH Article 57(f), Commission Regulation (EU) 2018/605 or Commission Delegated Regulation (EU) 2017/2100.

### Citronellol

The substance is not considered to have endocrine disrupting properties according to REACH Article 57(f), Commission Regulation (EU) 2018/605 or Commission Delegated Regulation (EU) 2017/2100.

### according to Regulation (EU) No 2020/878

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#### Linalyl acetate

The substance is not considered to have endocrine disrupting properties according to REACH Article 57(f), Commission Regulation (EU) 2018/605 or Commission Delegated Regulation (EU) 2017/2100.

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# 12.7 Other adverse effects

#### 3,5,5-trimethylhexyl acetate

This substance is not on the Montreal Protocol list of substances that deplete the ozone layer.

#### Benzyl benzoate

This substance is not on the Montreal Protocol list of substances that deplete the ozone layer.

#### Cedarwood oil

This substance is not on the Montreal Protocol list of substances that deplete the ozone layer.

#### 2-phenylethanol

This substance is not on the Montreal Protocol list of substances that deplete the ozone layer.

#### Patchouli oil

This substance is not on the Montreal Protocol list of substances that deplete the ozone layer.

#### Iso-methylionone

This substance is not on the Montreal Protocol list of substances that deplete the ozone layer.

### α-methyl-1,3-benzodioxole-5-propionaldehyde

This substance is not on the Montreal Protocol list of substances that deplete the ozone layer.

#### 2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol

This substance is not on the Montreal Protocol list of substances that deplete the ozone layer.

### Citronellol

This substance is not on the Montreal Protocol list of substances that deplete the ozone layer.

#### Linalyl acetate

This substance is not on the Montreal Protocol list of substances that deplete the ozone layer.

### **SECTION 13: Disposal considerations**

# 13.1 Waste treatment methods

Product : Do not empty into drains. Avoid release to the environment. Refer to

special instructions/safety data sheets.

#### **SECTION 14: Transport Information**

#### Land transport

### ADR/RID/ADN

14.1. UN number : not applicable14.2. UN proper shipping : not applicable

name:

14.3. Transport hazard : not applicable

class(es):

14.4. Packing group : not applicable

14.5. Environmental : no

hazards

14.6. Special precautions: none

for user

according to Regulation (EU) No 2020/878

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#### Sea transport

**IMDG** 

14.1. UN number : not applicable14.2. UN proper shipping : not applicable

name:

14.3. Transport hazard : not applicable

class(es):

14.4. Packing group : not applicable

14.5. Environmental : no

hazards

14.6. Special precautions: none

for user

14.7. Maritime transport

in bulk according to IMO

instruments

Consult IMO regulations before transporting ocean bulk

# Air transport

### IATA/ICAO

14.1. UN number: : not applicable14.2. UN proper shipping : not applicable

name:

14.3. Transport hazard

hazard : not applicable

class(es):

14.4. Packing group: : not applicable

14.5. Environmental : no

hazards:

14.6. Special precautions: none

for user

# 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable

# **SECTION 15: Regulatory information**

# 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

REACH Regulation (EC) No 1907/2006

This product contains only components that have been either registered, are exempt from registration, are regarded as registered or are not subject to registration according to Regulation (EC) No. 1907/2006 (REACH)., Polymers are exempted from registration under REACH. All relevant starting materials and additives have been either registered or are exempt from registration according to Regulation (EC) No. 1907/2006 (REACH)., The aforementioned indications of the REACH registration status are provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. It is the buyer's/user's responsibility to ensure that his/her understanding of the regulatory status of this product is correct.

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Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

Print date: 11.03.2024

Listed in Regulation: Not applicable

#### 15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture.

#### **SECTION 16: Other information**

#### Full text of H-Statements referred to under section 3.

H302 Harmful if swallowed

H304 May be fatal if swallowed and enters airways

H315 Causes skin irritation

H317 May cause an allergic skin reaction
H319 Causes serious eye irritation
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
 H412 Harmful to aquatic life with long lasting effects

# Abbreviations and acronyms

ADR European Agreement concerning the International Carriage of

Dangerous Goods by Road

ATE Acute toxicity estimate

CAS-No. Chemical Abstracts Service number
CLP Classification, Labelling and Packaging

EbC50 Concentration at which 50% reduction of biomass is observed

EC50 Median effective concentration

EN European Norm

EPA Environmental Protection Agency

ErC50 Concentration at which a 50% inhibition of growth rate is observed

EyC50 Concentration at which 50 % inhibition of yield is observed

IATA\_C International Air Transport Association (Cargo)

IBCInternational Bulk Chemical CodeICAOInternational Civil Aviation OrganizationISOInternational Standard OrganizationIMDGInternational Maritime Dangerous Goods

LC50 Median Lethal Concentration

LD50 Median Lethal Dose

LOEC Lowest Observed Effect Concentration

LOEL Lowest observed effect level

MARPOL International Convention for the Prevention of Marine Pollution from

Ships

n.o.s. Not Otherwise Specified

NOAEC No Observed Adverse Effect Concentration

NOAEL No observed adverse effect level NOEC No Observed Effect Concentration

NOEL No Observed Effect Level

OECD Organisation for Economic Co-operation and Development OPPTS Office of Prevention, Pesticides and Toxic Substances

PBT Persistent, Bioaccumulative and Toxic

STEL Short term exposure limit

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TWA Time Weighted Average (TWA)

vPvB very Persistent and very Bioaccumulative

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