

# Safety data sheet

according to Regulation (EU) No 2020/878



Product name : Car air freshener - Vanilla - Organic Tin  
Version: 1.0

Issue Date : 10/03/2026  
Print date : 10/03/2026

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

### 1.1 Product identifier

Product name : Car air freshener - Vanilla - Organic Tin

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

Use of the Substance/Mixture : Car air freshener

### 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 : hedy@frshscentschina.com  
UK Importer : JRP Distribution Ltd | PO20 2FT | Tel:+44 (0)1903 750355  
EU Representative : Simply Brands Deutschland GmbH. Ernst-August-Platz 10, 30159  
Hanover

### 1.4 Emergency telephone number

Emergency telephone number : ChemTel Inc.  
(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 (CLP) and amendment (EU) 2024/197

Skin Sens. 1, H317 H317  
Aquatic Chronic 2, H411 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 [CLP]

Hazard pictograms



Signal word: Warning

Hazard statements:

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H317 May cause an allergic skin reaction.  
H411 Toxic to aquatic life with long lasting effects.

### Precautionary statements:

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.  
P280 Wear protective gloves / protective clothing / eye protection / face protection.  
P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
P321 Specific treatment (see supplemental first aid instruction on this label).  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P363 Wash contaminated clothing before reuse.  
P391 Collect spillage.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Supplemental Hazard information (EU): Not applicable.

### Derogations from labelling requirements

### Hazard pictograms



Signal word: Warning

### Hazard statements:

H317 May cause an allergic skin reaction.

### Precautionary statements:

P102 Keep out of reach of children.  
P103 Read label before use.  
P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

## 2.2 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

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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

### 3.1 Mixtures

CASRN / EC-No. / Index-No.	REACH Registration Number	Concentration	Component	Classification: REGULATION (EC) No 1272/2008 and amendment (EU) 2024/197
-	-	33.33%	Soft wood	-
CASRN 101-86-0 EC-No. 202-983-3 Index-No. -	-	16.00%	$\alpha$ -hexylcinnamaldehyde	Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 2, H411  Acute toxicity estimate Acute oral toxicity: LD50, Rat, >2000 mg/kg, estimated Acute inhalation toxicity: LC50, rat, >20 mg/L, estimated Acute dermal toxicity LD50, rabbit, >2000 mg/kg, estimated
CASRN 120-51-4 EC-No. 204-402-9 Index-No. 607-085-00-9	-	13.33%	Benzyl benzoate	Acute Tox. 4, H302 Aquatic Chronic 2, H411  Acute toxicity estimate Acute oral toxicity: LD50, Rat, 1700 mg/kg Acute inhalation toxicity: LC50, rat, >20 mg/L, estimated Acute dermal toxicity LD50, rabbit, >2 mL/kg bw

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				(~2000 mg/kg bw)
CASRN 140-11-4 EC-No. 205-399-7 Index-No. -	-	7.47%	Benzyl acetate	Aquatic Chronic 3, H412  Acute toxicity estimate Acute oral toxicity: LD50, rat, 2000 mg/kg Acute inhalation toxicity: LCLo, rat, 4h, > 0.766 mg/L air Acute dermal toxicity LD50, rabbit, > 5g/kg bw
CASRN 104-61-0 EC-No. 203-219-1 Index-No. -	-	6.67%	Nonan-4-olide	Not classified  Acute toxicity estimate Acute oral toxicity: LD50, rat, 6600 mg/kg bw Acute inhalation toxicity: LC50, rat, >20 mg/L air, estimated Acute dermal toxicity LD50, rabbit, > 5 000 mg/kg bw
CASRN 100-51-6 EC-No. 202-859-9 Index-No. 603-057-00-5	-	5.33%	Benzyl alcohol	Acute Tox. 4, H302 Eye Irrit. 2, H319 Skin Sens. 1B, H317  Acute toxicity estimate Acute oral toxicity: LD50, rat, 1200 mg/kg bw Acute inhalation toxicity: LC50, rat, 4h, > 4178 mg/m <sup>3</sup> air Acute dermal toxicity LD50, rabbit, > 2 000 mg/kg bw
CASRN 104-21-2 EC-No. 203-185-8 Index-No. -	-	5.33%	p-methoxybenzyl acetate	Skin Sens. 1B, H317  Acute toxicity estimate Acute oral toxicity: LD50, rat, >=5000 mg/kg bw, OECD Guideline 423 Acute inhalation toxicity: LC50, rat, >20 mg/L air, estimated Acute dermal toxicity

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				LD50, rat, > 2,000 mg/kg bw, OECD Guideline 402
CASRN 91-64-5 EC-No. 202-086-7 Index-No. -	-	4.00%	Coumarin	Acute Tox. 4, H302 Skin Sens. 1, H317 Aquatic Chronic 3, H412  Acute toxicity estimate Acute oral toxicity: LD50, rat, ca. 680 mg/kg bw Acute inhalation toxicity: LC50, rat , >20 mg/L Acute dermal toxicity LD50, rabbit , >2000mg/kg bw
CASRN 123-11-5 EC-No. 204-602-6 Index-No. -	-	3.33%	Anisaldehyde	Not classified  Acute toxicity estimate Acute oral toxicity: LD50, rat, 3210 mg/kg bw Acute inhalation toxicity: LC50, 7 h, 0.32 mg/L Acute dermal toxicity LD50, rabbit, > 5 000 mg/kg bw
CASRN 5471-51-2 EC-No. 226-806-4 Index-No. -	-	2.67%	4-(4-hydroxyphenyl)butan-2-one	Not classified  Acute toxicity estimate Acute oral toxicity: LD50, rat, > 2 000 mg/kg bw, OECD Guideline 420 Acute inhalation toxicity: LC50, rat, >5.0 mg/L air, estimated Acute dermal toxicity LD50, rat, > 2 000 mg/kg bw, OECD Guideline 402
CASRN 106-02-5 EC-No. 203-354-6 Index-No. -	-	0.67%	Pentadecan-15-olide	Aquatic Chronic 2,H411  Acute toxicity estimate Acute oral toxicity: LD50, > 2 000 mg/kg bw Acute inhalation toxicity: LC50, rat, >5.0 mg/L air, estimated

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				Acute dermal toxicity LD50, rat, > 2000 mg/kg bw
CASRN 110-27-0 EC-No. 203-751-4 Index-No. -	-	0.67%	Isopropyl myristate	Not classified  Acute toxicity estimate Acute oral toxicity: LD50, rat, > 2 000 mg/kg bw Acute inhalation toxicity: LC50, rat, > 5.3 mg/L air (analytical) Acute dermal toxicity LD50, rabbit, >2000 mg/kg bw, estimated
CASRN 5989-27-5 EC-No. 227-813-5 Index-No. 601-096-00- 2	-	0.53%	D-Limonene	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 3, H412  Acute toxicity estimate Acute oral toxicity: LD50, rat, >2000 mg/kg Acute inhalation toxicity: LC50, rat, >20 mg/L, estimated Acute dermal toxicity LD50, rabbits, >5000 mg/kg bw
CASRN 1222-05-5 EC-No. 214-946-9 Index-No. -	-	0.53%	Galaxolide	Aquatic Acute 1, H400 Aquatic Chronic 1, H410  Acute toxicity estimate Acute oral toxicity: LD50, rat, > 2 000 mg/kg bw Acute inhalation toxicity: LC50, > 5.04 mg/L air Acute dermal toxicity LD50, rat, > 2 000 mg/kg bw
CASRN 100-52-7 EC-No. 202-860-4 Index-No.	-	0.13%	Benzaldehyde	Acute Tox. 4, H302  Acute toxicity estimate Acute oral toxicity: LD50, Rat, 1430 mg/kg bw,

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605-012-00-5				OECD guideline 401 Acute inhalation toxicity: LC50, rat, 4h, 1.0 – 5 mg/L Acute dermal toxicity LD50, rabbit, >2,000 mg/kg bw.
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## 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.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

- Suitable extinguishing media : Water fog or fine spray. Dry chemical fire extinguishers. Carbon dioxide 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.

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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 : Manually collect product and place in containers for recovery or disposal.

### 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.

Advice on protection against fire and explosion : No information available.

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

Requirements for storage areas and containers : Protect against external exposure, such as heat, high temperatures.

### 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.

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

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

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General safety and hygiene measures : Not required under normal conditions of use.

Respiratory protection : Not required under normal conditions of use.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance: : solid

Odour : accord with standard sample

Odour threshold : no data available

pH : no data available

Melting point : no data available

Boiling point : no data available

Flash point : no data available

Evaporation rate : no data available

Flammability (solid, gas) : no data available

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 soluble

Partition coefficient: n-octanol/water : no data available

Auto-ignition temperature : no data available

Decomposition temperature : no data available

Viscosity, dynamic : not applicable

Explosive properties : none

Oxidising properties : none

### 9.2 Other information

No data available.

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## 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.

## SECTION 11: Toxicological information

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

#### Information on likely routes of exposure

Eye contact, Skin contact, Inhalation

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

#### 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:

#### **$\alpha$ -hexylcinnamaldehyde**

LD50, Rat, >2000 mg/kg, estimated

#### **Benzyl benzoate**

LD50, Rat, 1700 mg/kg

#### **Benzyl acetate**

LD50, rat, 2000 mg/kg

#### **Nonan-4-olide**

LD50, rat, 6600 mg/kg bw

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## **Benzyl alcohol**

LD50, rat, 1200 mg/kg bw

## **p-methoxybenzyl acetate**

LD50, rat, >=5000 mg/kg bw, OECD Guideline 423

## **Coumarin**

LD50, rat, ca. 680 mg/kg bw

## **Anisaldehyde**

LD50, rat, 3210 mg/kg bw

## **4-(4-hydroxyphenyl)butan-2-one**

LD50, rat, > 2 000 mg/kg bw, OECD Guideline 420

## **Pentadecan-15-olide**

LD50, > 2 000 mg/kg bw

## **Isopropyl myristate**

LD50, rat, > 2 000 mg/kg bw

## **D-Limonene**

LD50, rat, >2000 mg/kg

## **Galaxolide**

LD50, rat, > 2 000 mg/kg bw

## **Benzaldehyde**

LD50, Rat, 1430 mg/kg bw, OECD guideline 401

## **Acute dermal toxicity**

### **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:**

#### **$\alpha$ -hexylcinnamaldehyde**

LD50, rabbit, >2000 mg/kg, estimated

#### **Benzyl benzoate**

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

#### **Benzyl acetate**

LD50, rabbit, > 5g/kg bw

#### **Nonan-4-olide**

LD50, rabbit, > 5 000 mg/kg bw

#### **Benzyl alcohol**

LD50, rabbit, > 2 000 mg/kg bw

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## **p-methoxybenzyl acetate**

LD50, rat, > 2,000 mg/kg bw, OECD Guideline 402

## **Coumarin**

LD50, rabbit , >2000mg/kg bw

## **Anisaldehyde**

LD50, rabbit, > 5 000 mg/kg bw

## **4-(4-hydroxyphenyl)butan-2-one**

LD50, rat, > 2 000 mg/kg bw,  
OECD Guideline 402

## **Pentadecan-15-olide**

LD50, rat, > 2000 mg/kg bw

## **Isopropyl myristate**

LD50, rabbit, >2000 mg/kg bw, estimated

## **D-Limonene**

LD50, rabbits,>5000 mg/kg bw

## **Galaxolide**

LD50, rat, > 2 000 mg/kg bw

## **Benzaldehyde**

LD50, rabbit, >2,000 mg/kg bw.

## **Acute inhalation toxicity**

### **Information for the Product:**

Shall not be classified as acutely toxic (inhalation).

### **As product: The LC50 has not been determined.**

Based on information for component(s): LC50, rat, >20 mg/L air, estimated

### **Information for components:**

#### **$\alpha$ -hexylcinnamaldehyde**

LC50, rat, >20 mg/L, estimated

#### **Benzyl benzoate**

LC50, rat, >20 mg/L, estimated

#### **Benzyl acetate**

LCLo, rat, 4h, > 0.766 mg/L air

#### **Nonan-4-olide**

LC50, rat, >20 mg/L air, estimated

#### **Benzyl alcohol**

LC50, rat, 4h, > 4178 mg/m<sup>3</sup> air

#### **p-methoxybenzyl acetate**

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LC50, rat, >20 mg/L air, estimated

## **Coumarin**

LC50, rat , >20 mg/L

## **Anisaldehyde**

LC50, 7 h, 0.32 mg/L

## **4-(4-hydroxyphenyl)butan-2-one**

LC50, rat, >5.0 mg/L air, estimated

## **Pentadecan-15-olide**

LC50, rat, >5.0 mg/L air, estimated

## **Isopropyl myristate**

LC50, rat, > 5.3 mg/L air (analytical)

## **D-Limonene**

LC50, rat, >20 mg/L, estimated

## **Galaxolide**

LC50, > 5.04 mg/L air

## **Benzaldehyde**

LC50, rat, 4h, 1.0 – 5 mg/L

## **Skin corrosion/irritation**

### **Information for the Product:**

Shall not be classified as corrosive/irritant to skin.

### **Information for components:**

#### **$\alpha$ -hexylcinnamaldehyde**

Shall not be classified as corrosive/irritant to skin

#### **Benzyl benzoate**

Shall not be classified as corrosive/irritant to skin

#### **Benzyl acetate**

Shall not be classified as corrosive/irritant to skin

#### **Nonan-4-olide**

Shall not be classified as corrosive/irritant to skin

#### **Benzyl alcohol**

Shall not be classified as corrosive/irritant to skin

#### **p-methoxybenzyl acetate**

Shall not be classified as corrosive/irritant to skin

#### **Coumarin**

Shall not be classified as corrosive/irritant to skin

#### **Anisaldehyde**

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Shall not be classified as corrosive/irritant to skin

#### **4-(4-hydroxyphenyl)butan-2-one**

Shall not be classified as corrosive/irritant to skin

#### **Pentadecan-15-olide**

Shall not be classified as corrosive/irritant to skin

#### **Isopropyl myristate**

Shall not be classified as corrosive/irritant to skin

#### **D-Limonene**

Causes skin irritation

#### **Galaxolide**

Shall not be classified as corrosive/irritant to skin

#### **Benzaldehyde**

Shall not be classified as corrosive/irritant to skin

#### **Serious eye damage/eye irritation**

##### **Information for the Product:**

Shall not be classified as irritant to eye.

##### **Information for components:**

#### **$\alpha$ -hexylcinnamaldehyde**

Shall not be classified as irritant to eye

#### **Benzyl benzoate**

Shall not be classified as irritant to eye

#### **Benzyl acetate**

Shall not be classified as irritant to eye

#### **Nonan-4-olide**

Shall not be classified as irritant to eye

#### **Benzyl alcohol**

Causes serious eye irritation

#### **p-methoxybenzyl acetate**

Shall not be classified as irritant to eye

#### **Coumarin**

Shall not be classified as irritant to eye

#### **Anisaldehyde**

Shall not be classified as irritant to eye

#### **4-(4-hydroxyphenyl)butan-2-one**

Shall not be classified as irritant to eye

#### **Pentadecan-15-olide**

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Shall not be classified as irritant to eye

## **Isopropyl myristate**

Shall not be classified as irritant to eye

## **D-Limonene**

Shall not be classified as irritant to eye

## **Galaxolide**

Shall not be classified as irritant to eye

## **Benzaldehyde**

Shall not be classified as irritant to eye

## **Respiratory or skin sensitisation**

### **Information for the Product:**

May cause an allergic skin reaction.

### **Information for components:**

#### **$\alpha$ -hexylcinnamaldehyde**

For skin sensitization:

May cause an allergic skin reaction

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.

#### **Benzyl acetate**

For skin sensitization:

Shall not be classified as a skin sensitiser

For respiratory sensitization:

Shall not be classified as a respiratory sensitiser.

#### **Nonan-4-olide**

For skin sensitization:

Shall not be classified as a skin sensitiser

For respiratory sensitization:

Shall not be classified as a respiratory sensitiser.

#### **Benzyl alcohol**

For skin sensitization:

May cause an allergic skin reaction

For respiratory sensitization:

Shall not be classified as a respiratory sensitiser.

#### **p-methoxybenzyl acetate**

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For skin sensitization:

May cause an allergic skin reaction

For respiratory sensitization:

Shall not be classified as a respiratory sensitiser.

## **Coumarin**

For skin sensitization:

May cause an allergic skin reaction

For respiratory sensitization:

Shall not be classified as a respiratory sensitiser.

## **Anisaldehyde**

For skin sensitization:

Shall not be classified as a skin sensitiser

For respiratory sensitization:

Shall not be classified as a respiratory sensitiser.

## **4-(4-hydroxyphenyl)butan-2-one**

For skin sensitization:

Shall not be classified as a skin sensitiser

For respiratory sensitization:

Shall not be classified as a respiratory sensitiser.

## **Pentadecan-15-olide**

For skin sensitization:

Shall not be classified as a skin sensitiser

For respiratory sensitization:

Shall not be classified as a respiratory sensitiser.

## **Isopropyl myristate**

For skin sensitization:

Shall not be classified as a skin sensitiser

For respiratory sensitization:

Shall not be classified as a respiratory sensitiser.

## **D-Limonene**

For skin sensitization:

May cause an allergic skin reaction

For respiratory sensitization:

Shall not be classified as a respiratory sensitiser.

## **Galaxolide**

For skin sensitization:

Shall not be classified as a skin sensitiser

For respiratory sensitization:

Shall not be classified as a respiratory sensitiser.

## **Benzaldehyde**

For skin sensitization:

Shall not be classified as a skin sensitiser

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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:**

#### **$\alpha$ -hexylcinnamaldehyde**

Shall not be classified as germ cell mutagenic

#### **Benzyl benzoate**

Shall not be classified as germ cell mutagenic

#### **Benzyl acetate**

Shall not be classified as germ cell mutagenic

#### **Nonan-4-olide**

Shall not be classified as germ cell mutagenic

#### **Benzyl alcohol**

Shall not be classified as germ cell mutagenic

#### **p-methoxybenzyl acetate**

Shall not be classified as germ cell mutagenic

#### **Coumarin**

Shall not be classified as germ cell mutagenic

#### **Anisaldehyde**

Shall not be classified as germ cell mutagenic

#### **4-(4-hydroxyphenyl)butan-2-one**

Shall not be classified as germ cell mutagenic

#### **Pentadecan-15-olide**

Shall not be classified as germ cell mutagenic

#### **Isopropyl myristate**

Shall not be classified as germ cell mutagenic

#### **D-Limonene**

Shall not be classified as germ cell mutagenic

#### **Galaxolide**

Shall not be classified as germ cell mutagenic

#### **Benzaldehyde**

Shall not be classified as germ cell mutagenic

## **Carcinogenicity**

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Product name : Car air freshener - Vanilla - Organic Tin  
Version: 1.0

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Shall not be classified as carcinogenic.

## Information for components:

### **$\alpha$ -hexylcinnamaldehyde**

Shall not be classified as carcinogenic

### **Benzyl benzoate**

Shall not be classified as carcinogenic

### **Benzyl acetate**

Shall not be classified as carcinogenic

### **Nonan-4-olide**

Shall not be classified as carcinogenic

### **Benzyl alcohol**

Shall not be classified as carcinogenic

### **p-methoxybenzyl acetate**

Shall not be classified as carcinogenic

### **Coumarin**

Shall not be classified as carcinogenic

### **Anisaldehyde**

Shall not be classified as carcinogenic

### **4-(4-hydroxyphenyl)butan-2-one**

Shall not be classified as carcinogenic

### **Pentadecan-15-olide**

Shall not be classified as carcinogenic

### **Isopropyl myristate**

Shall not be classified as carcinogenic

### **D-Limonene**

Shall not be classified as carcinogenic

### **Galaxolide**

Shall not be classified as carcinogenic

### **Benzaldehyde**

Shall not be classified as carcinogenic

## Reproductive toxicity

### Information for the Product:

Shall not be classified as a reproductive toxicant.

### Information for components:

### **$\alpha$ -hexylcinnamaldehyde**

Shall not be classified as a reproductive toxicant

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## **Benzyl benzoate**

Shall not be classified as a reproductive toxicant

## **Benzyl acetate**

Shall not be classified as a reproductive toxicant

## **Nonan-4-olide**

Shall not be classified as a reproductive toxicant

## **Benzyl alcohol**

Shall not be classified as a reproductive toxicant

## **p-methoxybenzyl acetate**

Shall not be classified as a reproductive toxicant

## **Coumarin**

Shall not be classified as a reproductive toxicant

## **Anisaldehyde**

Shall not be classified as a reproductive toxicant

## **4-(4-hydroxyphenyl)butan-2-one**

Shall not be classified as a reproductive toxicant

## **Pentadecan-15-olide**

Shall not be classified as a reproductive toxicant

## **Isopropyl myristate**

Shall not be classified as a reproductive toxicant

## **D-Limonene**

Shall not be classified as a reproductive toxicant

## **Galaxolide**

Shall not be classified as a reproductive toxicant

## **Benzaldehyde**

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:**

## **$\alpha$ -hexylcinnamaldehyde**

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)

## **Benzyl acetate**

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

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## **Nonan-4-olide**

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

## **Benzyl alcohol**

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

## **p-methoxybenzyl acetate**

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

## **Coumarin**

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

## **Anisaldehyde**

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

## **4-(4-hydroxyphenyl)butan-2-one**

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

## **Pentadecan-15-olide**

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

## **Isopropyl myristate**

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

## **D-Limonene**

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

## **Galaxolide**

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

## **Benzaldehyde**

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:**

## **$\alpha$ -hexylcinnamaldehyde**

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)

## **Benzyl acetate**

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

## **Nonan-4-olide**

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

## **Benzyl alcohol**

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

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## **p-methoxybenzyl acetate**

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

## **Coumarin**

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

## **Anisaldehyde**

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

## **4-(4-hydroxyphenyl)butan-2-one**

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

## **Pentadecan-15-olide**

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

## **Isopropyl myristate**

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

## **D-Limonene**

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

## **Galaxolide**

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

## **Benzaldehyde**

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:**

#### **$\alpha$ -hexylcinnamaldehyde**

Shall not be classified as presenting an aspiration hazard

#### **Benzyl benzoate**

Shall not be classified as presenting an aspiration hazard

#### **Benzyl acetate**

Shall not be classified as presenting an aspiration hazard

#### **Nonan-4-olide**

Shall not be classified as presenting an aspiration hazard

#### **Benzyl alcohol**

Shall not be classified as presenting an aspiration hazard

#### **p-methoxybenzyl acetate**

Shall not be classified as presenting an aspiration hazard

#### **Coumarin**

Shall not be classified as presenting an aspiration hazard

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## **Anisaldehyde**

Shall not be classified as presenting an aspiration hazard

## **4-(4-hydroxyphenyl)butan-2-one**

Shall not be classified as presenting an aspiration hazard

## **Pentadecan-15-olide**

Shall not be classified as presenting an aspiration hazard

## **Isopropyl myristate**

Shall not be classified as presenting an aspiration hazard

## **D-Limonene**

May be fatal if swallowed and enters airways

## **Galaxolide**

Shall not be classified as presenting an aspiration hazard

## **Benzaldehyde**

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:**

#### **$\alpha$ -hexylcinnamaldehyde**

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.

#### **Benzyl 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.

#### **Nonan-4-olide**

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 alcohol**

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.

#### **p-methoxybenzyl 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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## Coumarin

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.

## Anisaldehyde

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.

## 4-(4-hydroxyphenyl)butan-2-one

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.

## Pentadecan-15-olide

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.

## Isopropyl myristate

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.

## D-Limonene

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.

## Galaxolide

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.

## Benzaldehyde

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

#### 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

NOEC, Daphnia magna, 1.73 mg/L, OECD 202

Long-term toxicity to aquatic invertebrates

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

Toxicity to microorganisms

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

## **Benzyl acetate**

Short-term toxicity to fish

LC50, *Oryzias latipes*, 96h, 4 mg/L

Long-term toxicity to fish

NOEC, 28d, 0.92 mg/L

Short-term toxicity to aquatic invertebrates

EC50, *Daphnia*, 48h, 17 mg/L, OECD Guideline 202

Toxicity to aquatic algae

EC50, Alga, 72h, 92 mg/L, OECD Guideline 201

NOEC, Alga, 72h, 52 mg/L, OECD Guideline 201

Toxicity to microorganisms

EC50, 3h, 855 mg/L

## **Nonan-4-olide**

Short-term toxicity to fish

LC50, 96h, 50.55 mg/L

Short-term toxicity to aquatic invertebrates

EC50, 48h, 59.6 mg/L

Toxicity to aquatic algae

ErC10, 72h, 23.2 mg/L

ErC50, 72h, 63.5 mg/L

Toxicity to microorganisms

EC50, 30min, 800 mg/L

## **Benzyl alcohol**

Short-term toxicity to fish

Has a very low toxicity to fish.

LC50, 96h, 460 mg/L

Long-term toxicity to fish

NOEC, 30d, 48.897 mg/L

Short-term toxicity to aquatic invertebrates

EC50, 48h, 230 mg/L

Long-term toxicity to aquatic invertebrates

EC50, 21d, 66 mg/L, OECD Guideline 211

NOEC, 21d, 51 mg/L, OECD Guideline 211

Toxicity to aquatic algae

EC50, *Pseudokirchnerella subcapitata*, 72h, 770 mg/L

NOEC, *Pseudokirchnerella subcapitata*, 72h, 310 mg/L.

Toxicity to microorganisms

EC50, *Nitrosomonas*, 24h, 390 mg/L

## **p-methoxybenzyl acetate**

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Short-term toxicity to fish

LC50, 96h, 13.1 mg/L

Short-term toxicity to aquatic invertebrates

EC50, daphnia, 48h, 31 mg/L

Toxicity to aquatic algae

EC50, 72h, 59.9 mg/L, OECD guideline 201

Toxicity to microorganisms

NOEC, 2 mg/L

## Coumarin

Short-term toxicity to fish

LC50, fathead minnow, 96h, 2.94 mg/L

Long-term toxicity to fish

NOEC, 30d, 0.191 mg/L

Long-term toxicity to aquatic invertebrates

NOEC, 21 d, 0.5 mg/L

Toxicity to aquatic algae

EC50, 96h, 1.452 mg/L

Toxicity to microorganisms

IC50, activated sludge, 3h, 640 mg/L

## Anisaldehyde

Short-term toxicity to fish

LC50, 148.32 mg/l

Short-term toxicity to aquatic invertebrates

EC50, 48h, 82.8 mg/l

Toxicity to aquatic algae

EC50, 61 mg/l, OECD TG 201

NOEC, 0.65 mg/L, OECD TG 201

Toxicity to microorganisms

EC50, 30 min, 850 mg/L

## 4-(4-hydroxyphenyl)butan-2-one

Short-term toxicity to fish

The substance is no hazardous to aquatic environment.

Toxicity to aquatic algae

EC50: 101.054 mg/L

## Pentadecan-15-olide

Long-term toxicity to fish

NOEC, 33d, 0.027 mg/L

Long-term toxicity to aquatic invertebrates

NOEC, 21d, 0.068 mg/L

Toxicity to aquatic algae

ErC10, 72h, 0.42 mg/L

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Toxicity to microorganisms  
NOEC, 100 mg/L

## Isopropyl myristate

Short-term toxicity to fish

LC50, *Lepomis macrochirus*, 96h, > 1000 mg/L

Short-term toxicity to aquatic invertebrates

No effects up to the limit of water solubility.

Long-term toxicity to aquatic invertebrates

No long-term effects on reproduction of invertebrates are expected with Isopropyl myristate up to the limit of water solubility.

Toxicity to aquatic algae

No effects up to the limit of water solubility.

Toxicity to microorganisms

No effects up to the limit of water solubility.

## D-Limonene

Short-term toxicity to fish

LC50 or EC50, fathead minnow, 96h, 720µg/L

Long-term toxicity to fish

EC10, 0.37 mg/L

Short-term toxicity to aquatic invertebrates

EC50, *Daphnia magna*, 48h, 0.307 mg/L, Guideline OECD 202

Long-term toxicity to aquatic invertebrates

EC10, 21d, 0.153 mg/L

Toxicity to aquatic algae

EC50, algae, 0.32 mg/L

EC10, algae, 0.174 mg/L.

Toxicity to microorganisms

EC50, activated sludge, 209 mg/L, respiration rate

EC10, activated sludge, 18 mg/L, respiration rate

## Galaxolide

Short-term toxicity to fish

LC50, 96h, 0.95 mg/l

Long-term toxicity to fish

NOEC, 32d, > 0.068 mg/l

Short-term toxicity to aquatic invertebrates

EC50, 48h, *Daphnia magna*, 0.194 mg/l, OECD TG 202

LC50, 48h, *Acartia tonsa*, 0.47 mg/l, OECD TG 202

Long-term toxicity to aquatic invertebrates

NOEC, 21d, *Daphnia magna*, 0.111 mg/l, OECD TG 202

EC10, 6d, *Acartia tonsa*, 0.044 mg/l

Toxicity to aquatic algae

NOEC, 0.201 mg/l

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Toxicity to microorganisms  
NOEC, 5d, 10 mg/l, OECD TG301D

## **Benzaldehyde**

Short-term toxicity to fish  
Lowest LC50, bluegill, 1.07 mg/L

Long-term toxicity to fish  
NOEC,  
Pimephales promelas, 7 d, 0.12 mg/L

Short-term toxicity to aquatic invertebrates  
EC50, daphnia, 48h, 19.7 mg/l

Long-term toxicity to aquatic invertebrates  
Study waived due to the ready biodegradability of the test substance.

Toxicity to aquatic algae  
EC50, Pseudokirchneriella subcapitata, 72h, 8.05 mg/l  
EC10, Pseudokirchneriella subcapitata, 72h, 0.0205 mg/l

Toxicity to microorganisms  
IC50, activated sludge, 759 mg/L, OECD 209

## **12.2 Persistence and degradability**

### **Benzyl benzoate**

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

### **Benzyl acetate**

Readily biodegradable  
Biodegradation: 100.9%  
Exposure time: 28d  
Method: OECD Guideline 301 B

### **Nonan-4-olide**

Readily biodegradable  
Biodegradation: 82%  
Exposure time: 28d  
Method: OECD 301F

### **Benzyl alcohol**

Readily biodegradable  
Biodegradation: 92-96 %  
Exposure time: 14d  
Method: OECD Guideline 301 A

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## **p-methoxybenzyl acetate**

readily biodegradable  
Biodegradation: 78 %  
Exposure time: 28d

## **Coumarin**

Readily biodegradable  
Biodegradation: 90%  
Exposure time: 28d

## **Anisaldehyde**

Readily biodegradable  
Biodegradation: 97%  
Exposure time: 6d  
Method: OECD guideline 301 E

## **4-(4-hydroxyphenyl)butan-2-one**

Readily biodegradable

## **Pentadecan-15-olide**

Readily biodegradable  
Biodegradation: 90%  
Exposure time: 28d  
Method: OECD Guideline 310F

## **Isopropyl myristate**

Readily biodegradable  
Biodegradation: 91.4%  
Exposure time: 28d  
Method: OECD 301B

## **D-Limonene**

Readily biodegradable  
Biodegradation: 71.4%  
Exposure time: 28d

## **Galaxolide**

not biodegradable

## **Benzaldehyde**

Readily biodegradable  
Biodegradation:  
95%  
Exposure time: 28d

## **12.3 Bioaccumulative potential**

### **Benzyl benzoate**

Log Kow of 3.97.  
The calculated BCF was 193.4 L/kg (log BCF = 2.286).

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## **Benzyl acetate**

The substance is not expected to bioaccumulate in living organisms.

BCF: 8

## **Benzyl alcohol**

BCF: 1.37 L/kg ww

## **Anisaldehyde**

Based on the measured log Pow of 1.63 bioaccumulation of the substance is not expected.

## **Pentadecan-15-olide**

BCF, 500-1000

## **Isopropyl myristate**

The substance is not bioaccumulative.

## **D-Limonene**

Readily biodegradable

## **Galaxolide**

BCF, 1584 L/kg ww

## **Benzaldehyde**

Log Kow of 1.4

## **12.4 Mobility in soil**

### **Benzyl benzoate**

Low mobility in soils and sediment.

log Koc of 3.8 (Koc= 6310 L/kg)

### **Benzyl acetate**

Koc: 250(20 °C)

### **Benzyl alcohol**

Koc: 15.7(20 °C)

### **p-methoxybenzyl acetate**

log Pow, 1.9, 20 °C

### **Coumarin**

Koc: 42.66(20 °C)

LogKoc: 1.63

### **Anisaldehyde**

Koc, 10(25 °C)

### **4-(4-hydroxyphenyl)butan-2-one**

Koc: 105.4(20 °C)

### **Pentadecan-15-olide**

Koc, 44500(20 °C)

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## Isopropyl myristate

There is a high adsorption of Isopropyl myristate to soil and sediment particles.

Log Koc: 4.83

## D-Limonene

Koc: 2413(20 °C)

LogKoc: 3.383

## Galaxolide

Koc, 14 300(20 °C)

## Benzaldehyde

Koc: 56( 20 °C)

## 12.5 Results of PBT and vPvB assessment

### $\alpha$ -hexylcinnamaldehyde

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).

### Benzyl 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).

### Nonan-4-olide

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 alcohol

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).

### p-methoxybenzyl 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).

### Coumarin

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).

### Anisaldehyde

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).

### 4-(4-hydroxyphenyl)butan-2-one

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).

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## **Pentadecan-15-olide**

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).

## **Isopropyl myristate**

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).

## **D-Limonene**

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).

## **Galaxolide**

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).

## **Benzaldehyde**

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.

### **$\alpha$ -hexylcinnamaldehyde**

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.

### **Benzyl 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.

### **Nonan-4-olide**

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 alcohol**

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.

### **p-methoxybenzyl 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.

### **Coumarin**

The substance is not considered to have endocrine disrupting properties according to REACH Article 57(f), Commission

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Regulation (EU) 2018/605 or Commission Delegated Regulation (EU) 2017/2100.

## **Anisaldehyde**

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.

## **4-(4-hydroxyphenyl)butan-2-one**

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.

## **Pentadecan-15-olide**

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.

## **Isopropyl myristate**

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.

## **D-Limonene**

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.

## **Galaxolide**

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.

## **Benzaldehyde**

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.

## **12.7 Other adverse effects**

### **$\alpha$ -hexylcinnamaldehyde**

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.

### **Benzyl acetate**

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

### **Nonan-4-olide**

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

### **Benzyl alcohol**

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

### **p-methoxybenzyl acetate**

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

### **Coumarin**

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

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## Anisaldehyde

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

## 4-(4-hydroxyphenyl)butan-2-one

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

## Pentadecan-15-olide

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

## Isopropyl myristate

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

## D-Limonene

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

## Galaxolide

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

## Benzaldehyde

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 applicable
- 14.2. UN proper shipping name: : not regulated for transport
- 14.3. Transport hazard class(es): : not applicable
- 14.4. Packing group : not applicable
- 14.5. Environmental hazards : not considered environmentally hazardous based on available data.
- 14.6. Special precautions for user : no data available

### Sea transport

IMDG

- 14.1. UN number : not applicable
- 14.2. UN proper shipping : not regulated for transport

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name:

14.3. Transport hazard : not applicable

class(es):

14.4. Packing group : not applicable

14.5. Environmental hazards : not considered as marine pollutant based on available data.

14.6. Special precautions for user : no data available

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 applicable

14.2. UN proper shipping name: : not regulated for transport

14.3. Transport hazard : not applicable

class(es):

14.4. Packing group: : not applicable

14.5. Environmental hazards: : not applicable

14.6. Special precautions for user : no data available

## 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.

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

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

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Full text of H-Statements referred to under sections 2 and 3:

H226	Flammable liquid and vapour.
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.

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)
IBC	International Bulk Chemical Code
ICAO	International Civil Aviation Organization
ISO	International Standard Organization
IMDG	International Maritime Dangerous Goods
LC50	Median Lethal Concentration
LD50	Median Lethal Dose
LOEC	Lowest Observed Effect Concentration
LOEL	Lowest observed effect level
MARPOL n.o.s.	International Convention for the Prevention of Marine Pollution from Ships 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
TWA	Time Weighted Average (TWA)
vPvB	very Persistent and very Bioaccumulative

The information herein is provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/user's responsibility to ensure that his activities comply with all federal, state, provincial or local laws. The information presented here pertains only to the product as shipped. Since

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conditions for use of the product are not under the control of the manufacturer, it is the buyer's/user's duty to determine the conditions necessary for the safe use of this product. Due to the proliferation of sources for information such as manufacturer specific SDSs, we are not and cannot be responsible for SDSs obtained from any source other than ourselves. If you have obtained an SDS from another source or if you are not sure that the SDS you have is current, please contact us for the most current version.