

Safety data sheet

according to Regulation (EU) No 2020/878



Product name: Car Air Freshener- Hawaiian Breeze

Print date: 21.08.2024

Version 2.0

Issue Date: 21.08.2024

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

1.1 Product identifier

Product name : Car Air Freshener- Hawaiian Breeze

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 : venus@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 and amendment (EU) 2024/197

Skin Sens. 1 H317

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



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Signal word: Warning

Hazard statements:

H317 May cause an allergic skin reaction

Precautionary statements:

P261 Avoid breathing dust/fume/gas/mist/ vapours/spray.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves / protective clothing / eye protection / face protection.
P302 + P352 IF ON SKIN: Wash with plenty of water.
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P321 Specific treatment (see section 4 on this SDS).
P363 Wash contaminated clothing before reuse.
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 water.
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.

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.

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SECTION 3. Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

CASRN / EC-No. / Index-No.	REACH Registration Number	Concentration	Component	Classification: REGULATION (EC) No 1272/2008 and amendment (EU) 2024/197
CASRN 40379-24-6 EC-No. 254-898-6 Index-No. -	-	45-55%	Isononyl acetate	Not classified Acute toxicity estimate Acute oral toxicity: Category 5 based on GHS criteria LD50, rat, 4250 mg/kg Acute inhalation toxicity: Category 5 based on GHS criteria LC50, rat, 6h, > 8 000 000 mg/m ³ air Acute dermal toxicity Category 5 based on GHS criteria LD50, rabbits, >5000 mg/kg bw
CASRN 68551-20-2 EC-No. 271-370-0 Index-No. -	-	15-20%	Alkanes, C13-16-iso-	Not classified Acute toxicity estimate Acute oral toxicity: LD50, rat, > 2000 mg/kg bw, estimated Acute inhalation toxicity: LC50, rat, >20 mg/L air, estimated Acute dermal toxicity LD50, rabbit, >2000 mg/kg bw, estimated
CASRN 78-70-6 EC-No. 201-134-4 Index-No. 603-235- 00-2	-	10-15%	Linalool	Skin Sens. 1B, H317 Acute toxicity estimate Acute oral toxicity: GHS criteria not met LD50, rat, 2790 mg/kg, OECD Guideline 401 Acute inhalation toxicity: LC50, female mouse, 1h, >20mg Acute dermal toxicity GHS criteria not met LD50, rabbits, 5610 mg/kg, OECD Guideline 402

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CASRN 141-97-9 EC-No. 205-516-1 Index-No. -	-	1-5%	Ethyl acetoacetate	Not classified Acute toxicity estimate Acute oral toxicity: LD50, rat, 12300 mg/kg, females, OECD Guideline 401 LD50, rat, 10800 mg/kg, males. OECD Guideline 401 Acute inhalation toxicity: LC50, 4h, rabbit, > 49.2 mg/L air Acute dermal toxicity
CASRN 10339-55-6 EC-No. 233-732-6 Index-No. -	-	1-5%	3,7-dimethylnona-1,6-dien-3-ol	SKIN IRRIT. 2, H315 Eye Irrit. 2, H319 Acute toxicity estimate Acute oral toxicity: LD50, mouse, 5 283 mg/kg bw Acute inhalation toxicity: LC50, rat, > 1 mg/L air (nominal) Acute dermal toxicity LD50, rabbit, > 5 000 mg/kg bw
CASRN 128-37-0 EC-No. 204-881-4 Index-No. -	-	1-5%	2,6-di-tert-butyl-p-cresol	Aquatic Chronic 1, H410 Acute toxicity estimate Acute oral toxicity: GHS criteria not met LD50, rat, 24h, >6000 mg/kg Acute inhalation toxicity: RD50, 59.7 ml/m3 Acute dermal toxicity LD50, rat, 2000 mg/kg bw.
CASRN 31501-11-8 EC-No. 250-661-6 Index-No. -	-	1-5%	(Z)-hex-3-enyl hexanoate	Not classified Acute toxicity estimate Acute oral toxicity: LD50, rat, > 2000 mg/kg bw, estimated Acute inhalation toxicity: LC50, rat, >20 mg/L air, estimated Acute dermal toxicity LD50, rabbit, >2000 mg/kg bw, estimated
CASRN 105-53-3 EC-No. 203-305-9 Index-No. -	-	1-5%	Diethyl malonate	Eye Irrit. 2, H319 Acute toxicity estimate Acute oral toxicity: LD50, rat, 15794 mg/kg bw Acute inhalation toxicity: LC50, rat, >20 mg/L air, estimated Acute dermal toxicity LD50, rabbit, > 16 960 mg/kg bw

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CASRN 67634-15-5 EC-No. 266-819-2 Index-No. -	-	1-5%	Floralozone	Not classified Acute toxicity estimate Acute oral toxicity: LD50, rat, > 2000 mg/kg bw, estimated Acute inhalation toxicity: LC50, rat, >20 mg/L air, estimated Acute dermal toxicity LD50, rabbit, >2000 mg/kg bw, estimated
CASRN 68647-72-3 EC-No. 614-678-6 Index-No. -	-	1-5%	Orange, sweet, ext.	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 Acute toxicity estimate Acute oral toxicity: LD50, rat, > 5 000 mg/kg bw Acute inhalation toxicity: LC50, rat, >20 mg/L air, estimated Acute dermal toxicity LD50, rabbit, > 5 000 mg/kg bw
CASRN 115-95-7 EC-No. 204-116-4 Index-No. -	-	1-5%	Linalyl acetate	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Acute toxicity estimate Acute oral toxicity: LD50, Rat, 14,550 mg/kg Acute inhalation toxicity: LC50, mice, 4h, > 1,028 mg/m3 Acute dermal toxicity LD50, Rabbits, >5000 mg/kg bw
CASRN 1191-16-8 EC-No. 214-730-4 Index-No. -	-	0.5-1.5%	3-methyl-2-butenyl acetate	Flam. Liq. 3, H226 Acute toxicity estimate Acute oral toxicity: LD50, rat, >2 900 mg/kg bw Acute inhalation toxicity: LC50, rat, >20 mg/L air, estimated Acute dermal toxicity LD50, rabbit, > 5 000 mg/kg bw
CASRN 24851-98-7 EC-No. 246-495-9 Index-No. -	-	0.5-1.5%	Hedione	Not classified Acute toxicity estimate Acute oral toxicity: LD50, rat, > 5 000 mg/kg bw Acute inhalation toxicity: LC50, rat, > 4.93 mg/L air (analytical) Acute dermal toxicity LD50, rabbit, > 5 000 mg/kg bw
CASRN 3681-71-8 EC-No. 222-960-1 Index-No. -	-	0.5-1.0%	(Z)-hex-3-enyl acetate	Flam. Liq. 3, H226 Acute toxicity estimate Acute oral toxicity: LD50, rat, > 2 000 mg/kg bw Acute inhalation toxicity: LC50, 4h, > 5.92 mg/L air Acute dermal toxicity LD50, rabbit, > 5 g/kg

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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. Nitrogen oxides.

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

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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.

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. 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.

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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.

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: : 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 determined

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

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:

2,6-di-tert-butyl-p-cresol
LD50, rat, 24h, >6000 mg/kg

Linalyl acetate
LD50, Rat, 14,550 mg/kg

Linalool
LD50, rat, 2790 mg/kg, OECD Guideline 401

Hedione
LD50, rat, > 5 000 mg/kg bw

Isononyl acetate

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LD50, rat, 4250 mg/kg

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Floralozone

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

Orange, sweet, ext.

LD50, rat, > 5 000 mg/kg bw

(Z)-hex-3-enyl hexanoate

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

3,7-dimethylnona-1,6-dien-3-ol

LD50, mouse, 5 283 mg/kg bw

Diethyl malonate

LD50, rat, 15794 mg/kg bw

(Z)-hex-3-enyl acetate

LD50, rat, > 2 000 mg/kg bw

Alkanes, C13-16-iso-

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

Ethyl acetoacetate

LD50, rat, 12300 mg/kg, females, OECD Guideline 401

LD50, rat, 10800 mg/kg, males. OECD Guideline 401

3-methyl-2-butenyl acetate

LD50, rat, >2 900 mg/kg bw

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:

2,6-di-tert-butyl-p-cresol

RD50, 59.7 ml/m³

Linalyl acetate

LC50, mice, 4h, > 1,028 mg/m³

Linalool

LC50, female mouse, 1h, >20mg

Hedione

LC50, rat, > 4.93 mg/L air (analytical)

Isononyl acetate

LC50, rat, 6h, > 8 000 000 mg/m³ air

Floralozone

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

Orange, sweet, ext.

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

(Z)-hex-3-enyl hexanoate

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

3,7-dimethylnona-1,6-dien-3-ol

LC50, rat, > 1 mg/L air (nominal)

Diethyl malonate

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

(Z)-hex-3-enyl acetate

LC50, 4h, > 5.92 mg/L air

Alkanes, C13-16-iso-

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

Ethyl acetoacetate

LC50, 4h, rabbit, > 49.2 mg/L air

3-methyl-2-butenyl acetate

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

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:

2,6-di-tert-butyl-p-cresol

LD50, rat, 2000 mg/kg bw.

Linalyl acetate

LD50, Rabbits, >5000 mg/kg bw

Linalool

LD50, rabbits, 5610 mg/kg, OECD Guideline 402

Hedione

LD50, rabbit, > 5 000 mg/kg bw

Isononyl acetate

LD50, rabbits, >5000 mg/kg bw

Floralozone

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

Orange, sweet, ext.

LD50, rabbit, > 5 000 mg/kg bw

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(Z)-hex-3-enyl hexanoate
LD50, rabbit, >2000 mg/kg bw, estimated

3,7-dimethylnona-1,6-dien-3-ol
LD50, rabbit, > 5 000 mg/kg bw

Diethyl malonate
LD50, rabbit, > 16 960 mg/kg bw

(Z)-hex-3-enyl acetate
LD50, rabbit, > 5 g/kg

Alkanes, C13-16-iso-
LD50, rabbit, >2000 mg/kg bw, estimated

Ethyl acetoacetate
LD50, rat, > 2 000 mg/kg bw

3-methyl-2-butenyl acetate
LD50, rabbit, > 5 000 mg/kg bw

Skin corrosion/irritation

Information for the Product:

Shall not be classified as corrosive/irritant to skin.

Information for components:

2,6-di-tert-butyl-p-cresol
Shall not be classified as corrosive/irritant to skin

Linalyl acetate
Causes skin irritation

Linalool
Shall not be classified as corrosive/irritant to skin

Hedione
Shall not be classified as corrosive/irritant to skin

Isononyl acetate
Shall not be classified as corrosive/irritant to skin

Floralozone
Shall not be classified as corrosive/irritant to skin

Orange, sweet, ext.
Causes skin irritation

(Z)-hex-3-enyl hexanoate
Shall not be classified as corrosive/irritant to skin

3,7-dimethylnona-1,6-dien-3-ol
Causes skin irritation

Diethyl malonate

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Shall not be classified as corrosive/irritant to skin

(Z)-hex-3-enyl acetate

Shall not be classified as corrosive/irritant to skin

Alkanes, C13-16-iso-

Shall not be classified as corrosive/irritant to skin

Ethyl acetoacetate

Shall not be classified as corrosive/irritant to skin

3-methyl-2-butenyl acetate

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:

2,6-di-tert-butyl-p-cresol

Shall not be classified as irritant to eye

Linalyl acetate

Causes serious eye irritation

Linalool

Shall not be classified as irritant to eye

Hedione

Shall not be classified as irritant to eye

Isononyl acetate

Shall not be classified as irritant to eye

Floralozone

Shall not be classified as irritant to eye

Orange, sweet, ext.

Shall not be classified as irritant to eye

(Z)-hex-3-enyl hexanoate

Shall not be classified as irritant to eye

3,7-dimethylnona-1,6-dien-3-ol

Causes serious eye irritation

Diethyl malonate

Causes serious eye irritation

(Z)-hex-3-enyl acetate

Shall not be classified as irritant to eye

Alkanes, C13-16-iso-

Shall not be classified as irritant to eye

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Ethyl acetoacetate

Shall not be classified as irritant to eye

3-methyl-2-butenyl acetate

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:

2,6-di-tert-butyl-p-cresol

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.

Linalool

For skin sensitization:

May cause an allergic skin reaction

For respiratory sensitization:

Shall not be classified as a respiratory sensitiser.

Hedione

For skin sensitization:

Shall not be classified as a skin sensitiser

For respiratory sensitization:

Shall not be classified as a respiratory sensitiser.

Isononyl acetate

For skin sensitization:

Shall not be classified as a skin sensitiser

For respiratory sensitization:

Shall not be classified as a respiratory sensitiser.

Floralozone

For skin sensitization:

Shall not be classified as a skin sensitiser

For respiratory sensitization:

Shall not be classified as a respiratory sensitiser.

Orange, sweet, ext.

For skin sensitization:

May cause an allergic skin reaction

For respiratory sensitization:

Shall not be classified as a respiratory sensitiser.

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(Z)-hex-3-enyl hexanoate

For skin sensitization:

Shall not be classified as a skin sensitiser

For respiratory sensitization:

Shall not be classified as a respiratory sensitiser.

3,7-dimethylnona-1,6-dien-3-ol

For skin sensitization:

Shall not be classified as a skin sensitiser

For respiratory sensitization:

Shall not be classified as a respiratory sensitiser.

Diethyl malonate

For skin sensitization:

Shall not be classified as a skin sensitiser

For respiratory sensitization:

Shall not be classified as a respiratory sensitiser.

(Z)-hex-3-enyl acetate

For skin sensitization:

Shall not be classified as a skin sensitiser

For respiratory sensitization:

Shall not be classified as a respiratory sensitiser.

Alkanes, C13-16-iso-

For skin sensitization:

Shall not be classified as a skin sensitiser

For respiratory sensitization:

Shall not be classified as a respiratory sensitiser.

Ethyl acetoacetate

For skin sensitization:

Shall not be classified as a skin sensitiser

For respiratory sensitization:

Shall not be classified as a respiratory sensitiser.

3-methyl-2-butenyl 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:

2,6-di-tert-butyl-p-cresol

Shall not be classified as germ cell mutagenic

Linalyl acetate

Shall not be classified as germ cell mutagenic

Linalool

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Shall not be classified as germ cell mutagenic

Hedione

Shall not be classified as germ cell mutagenic

Isononyl acetate

Shall not be classified as germ cell mutagenic

Floralozone

Shall not be classified as germ cell mutagenic

Orange, sweet, ext.

Shall not be classified as germ cell mutagenic

(Z)-hex-3-enyl hexanoate

Shall not be classified as germ cell mutagenic

3,7-dimethylnona-1,6-dien-3-ol

Shall not be classified as germ cell mutagenic

Diethyl malonate

Shall not be classified as germ cell mutagenic

(Z)-hex-3-enyl acetate

Shall not be classified as germ cell mutagenic

Alkanes, C13-16-iso-

Shall not be classified as germ cell mutagenic

Ethyl acetoacetate

Shall not be classified as germ cell mutagenic

3-methyl-2-butenyl acetate

Shall not be classified as germ cell mutagenic

Carcinogenicity

Information for the Product:

Shall not be classified as carcinogenic.

Information for components:

2,6-di-tert-butyl-p-cresol

Shall not be classified as carcinogenic

Linalyl acetate

Shall not be classified as carcinogenic

Linalool

Shall not be classified as carcinogenic

Hedione

Shall not be classified as carcinogenic

Isononyl acetate

Shall not be classified as carcinogenic

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Floralozone
Shall not be classified as carcinogenic

Orange, sweet, ext.
Shall not be classified as carcinogenic

(Z)-hex-3-enyl hexanoate
Shall not be classified as carcinogenic

3,7-dimethylnona-1,6-dien-3-ol
Shall not be classified as carcinogenic

Diethyl malonate
Shall not be classified as carcinogenic

(Z)-hex-3-enyl acetate
Shall not be classified as carcinogenic

Alkanes, C13-16-iso-
Shall not be classified as carcinogenic

Ethyl acetoacetate
Shall not be classified as carcinogenic

3-methyl-2-butenyl acetate
Shall not be classified as carcinogenic

Reproductive toxicity

Information for the Product:

Shall not be classified as a reproductive toxicant.

Information for components:

2,6-di-tert-butyl-p-cresol
Shall not be classified as a reproductive toxicant

Linalyl acetate
Shall not be classified as a reproductive toxicant

Linalool
Shall not be classified as a reproductive toxicant

Hedione
Shall not be classified as a reproductive toxicant

Isononyl acetate
Shall not be classified as a reproductive toxicant

Floralozone
Shall not be classified as a reproductive toxicant

Orange, sweet, ext.
Shall not be classified as a reproductive toxicant

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(Z)-hex-3-enyl hexanoate

Shall not be classified as a reproductive toxicant

3,7-dimethylnona-1,6-dien-3-ol

Shall not be classified as a reproductive toxicant

Diethyl malonate

Shall not be classified as a reproductive toxicant

(Z)-hex-3-enyl acetate

Shall not be classified as a reproductive toxicant

Alkanes, C13-16-iso-

Shall not be classified as a reproductive toxicant

Ethyl acetoacetate

Shall not be classified as a reproductive toxicant

3-methyl-2-butenyl 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:

2,6-di-tert-butyl-p-cresol

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)

Linalool

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

Hedione

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

Isononyl acetate

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

Floralozone

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

Orange, sweet, ext.

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

(Z)-hex-3-enyl hexanoate

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

3,7-dimethylnona-1,6-dien-3-ol

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

Diethyl malonate

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

(Z)-hex-3-enyl acetate

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

Alkanes, C13-16-iso-

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

Ethyl acetoacetate

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

3-methyl-2-butenyl 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:

2,6-di-tert-butyl-p-cresol

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)

Linalool

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

Hedione

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

Isononyl acetate

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

Floralozone

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

Orange, sweet, ext.

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

(Z)-hex-3-enyl hexanoate

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

3,7-dimethylnona-1,6-dien-3-ol

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

Diethyl malonate

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

(Z)-hex-3-enyl acetate

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

Alkanes, C13-16-iso-

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

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Ethyl acetoacetate

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

3-methyl-2-butenyl 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:

2,6-di-tert-butyl-p-cresol

Shall not be classified as presenting an aspiration hazard

Linalyl acetate

Shall not be classified as presenting an aspiration hazard

Linalool

Shall not be classified as presenting an aspiration hazard

Hedione

Shall not be classified as presenting an aspiration hazard

Isononyl acetate

Shall not be classified as presenting an aspiration hazard

Floralozone

Shall not be classified as presenting an aspiration hazard

Orange, sweet, ext.

May be fatal if swallowed and enters airways

(Z)-hex-3-enyl hexanoate

Shall not be classified as presenting an aspiration hazard

3,7-dimethylnona-1,6-dien-3-ol

Shall not be classified as presenting an aspiration hazard

Diethyl malonate

Shall not be classified as presenting an aspiration hazard

(Z)-hex-3-enyl acetate

Shall not be classified as presenting an aspiration hazard

Alkanes, C13-16-iso-

Shall not be classified as presenting an aspiration hazard

Ethyl acetoacetate

Shall not be classified as presenting an aspiration hazard

3-methyl-2-butenyl acetate

Shall not be classified as presenting an aspiration hazard

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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:

2,6-di-tert-butyl-p-cresol

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.

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.

Linalool

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.

Hedione

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.

Isononyl 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.

Floralozone

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.

Orange, sweet, ext.

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.

(Z)-hex-3-enyl hexanoate

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.

3,7-dimethylnona-1,6-dien-3-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.

Diethyl malonate

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.

(Z)-hex-3-enyl 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.

Alkanes, C13-16-iso-

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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.

Ethyl acetoacetate

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.

3-methyl-2-butenyl 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

2,6-di-tert-butyl-p-cresol

Short-term toxicity to fish
LC50, 96h, 0.199 mg/L, OECD guideline 203

Long-term toxicity to fish
NOEC, *Oryzias latipes*, 30d, 0.053 mg/L, OECD guideline 210

Short-term toxicity to aquatic invertebrates
EC50, *Daphnia magna*, 48h, 0.48 mg/L, OECD guideline 202

Long-term toxicity to aquatic invertebrates
NOEC, *Daphnia magna*, 21d, 0.069 mg/L

Toxicity to aquatic algae and cyanobacteria
NOEC, 72h, 0.24 mg/L.

Toxicity to microorganisms
EC50, 24h, 1.7 mg/L

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

Linalool

Short-term toxicity to fish
LC50, *Salmo gairdneri*, 96h, 27.8 mg/l, OECD guideline 203

Short-term toxicity to aquatic invertebrates

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EC50, Daphnia magna, 48h, 59 mg/l, OECD 202, GLP

Toxicity to aquatic algae and cyanobacteria

EC50, Desmodesmus subspicatus, 96h, 156.7 mg/l

EC10, Desmodesmus subspicatus, 96h, 54.3 mg/l

Toxicity to microorganisms

EC50, activated sludge, > 100 mg/l, OECD 209

Hedione

Short-term toxicity to fish

LC50, Orange Killifish (*Oryzias latipes*), 96h, 19 mg/L

NOEC, Orange Killifish (*Oryzias latipes*), 96h, 2.0 mg/L

Short-term toxicity to aquatic invertebrates

EC50, Daphnia magna, 48h, 8.25 mg/l

Long-term toxicity to aquatic invertebrates

EC10, 21d, > 1.82 mg/L

Toxicity to aquatic algae and cyanobacteria

EC50, 72h, 45.9 mg/L

NOEC, 72h, 11.7 mg/L

Isononyl acetate

Short-term toxicity to aquatic invertebrates

EC50, Daphnia magna, 48h, 116 mg/L

Toxicity to aquatic algae and cyanobacteria

EC50, Desmodesmus subspicatus, 72h, 120 mg/l

Orange, sweet, ext.

Short-term toxicity to fish

EL50, 96h, 5.65 mg/l

Short-term toxicity to aquatic invertebrates

EL50, 48h, 1.1 mg/l

Toxicity to aquatic algae and cyanobacteria

NOELr, 72h, 50 mg/l

EC50, 4.3 mg/L

3,7-dimethylnona-1,6-dien-3-ol

Short-term toxicity to fish

LC50, 96h, zebra fish, 24 mg/l

Short-term toxicity to aquatic invertebrates

EC50, 48h, Daphnia magna, 23 mg/l

Toxicity to aquatic algae and cyanobacteria

EC50, 72h, 25.1 mg/l

NOEC, 72h, 6.3 mg/l

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Diethyl malonate

Short-term toxicity to fish

LC50, 96 h, 11.8 - 17.4 mg/L

Short-term toxicity to aquatic invertebrates

EC50, 48 h, 179 mg/l

Toxicity to aquatic algae and cyanobacteria

EC50, 72h, 508.2 mg/L

EC10, 72h, 30.1 mg/L

(Z)-hex-3-enyl acetate

Short-term toxicity to fish

LC50, 96h, 13 mg/L

Short-term toxicity to aquatic invertebrates

EC50, 24 h, 63 mg/L

EC50, 48 h, 31 mg/L

Toxicity to aquatic algae and cyanobacteria

EC50, freshwater algae, 85 mg/L

NOEC, freshwater algae, 23 mg/L

Ethyl acetoacetate

Short-term toxicity to fish

LC50, 96h, > 100 mg/L

Short-term toxicity to aquatic invertebrates

NOEC, 48h, Daphnia magna, 100 mg/L,

OECD Guideline 202

Toxicity to aquatic algae and cyanobacteria

NOEC, freshwater algae, 100 mg/L

EC50, freshwater algae, >100 mg/L

Toxicity to microorganisms

EC0, 24h, 3000 mg/l

3-methyl-2-butenyl acetate

Short-term toxicity to fish

LC50, Danio rerio, 23.5 mg/L, OECD guideline 203

Short-term toxicity to aquatic invertebrates

EC50, 48h, Daphnia magna, 64.3 mg/l, OECD Guideline 202

Toxicity to aquatic algae and cyanobacteria

EC50, 72h, >84.4 mg/L, OECD guideline 201

Toxicity to microorganisms

EC10, 3h, >1000 mg/l, OECD guideline 209

12.2 Persistence and degradability

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2,6-di-tert-butyl-p-cresol
Not readily biodegradable

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

Linalool
Readily biodegradable
Biodegradation: 64.2%
Exposure time: 28d
Method: OECD TG 301 D

Hedione
readily biodegradable

Isononyl acetate
readily biodegradable
Biodegradation: 90.83%
Exposure time: 28d
Method: OECD Guideline 301 C

Orange, sweet, ext.
readily biodegradable
Biodegradation: 75%
Exposure time: 28d

3,7-dimethylnona-1,6-dien-3-ol
Readily biodegradable
Biodegradation: 91 %
Exposure time: 28d

Diethyl malonate
Readily biodegradable
Biodegradation: 99 %
Exposure time: 28d
Method: EU Method C.4-A

(Z)-hex-3-enyl acetate
Readily biodegradable
Biodegradation: 65 %
Exposure time: 28d
Method: OECD guideline 301 F

Ethyl acetoacetate
Readily biodegradable
Biodegradation: 66 %
Exposure time: 28d
Method: OECD guideline 301 D

3-methyl-2-butenyl acetate
Readily biodegradable

12.3 Bioaccumulative potential

2,6-di-tert-butyl-p-cresol

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Moderate potential to accumulate in aquatic organisms.
BCF = 1277

Linalyl acetate
BCF : 174 L/kg

Linalool
The substance has a low potential for bioaccumulation
log Kow <3

Isononyl acetate
Is not expected to bioaccumulate in the food chain
BCF: 286.4 L/kg, estimated

Floralozone
BCF: 513

Orange, sweet, ext.
log BCF: 1.502 - 2.597

(Z)-hex-3-enyl hexanoate
BCF, 58.4 L/kg ww

3,7-dimethylnona-1,6-dien-3-ol
The substance has a low potential for bioaccumulation.

Ethyl acetoacetate
Not likely to bioaccumulate

3-methyl-2-butenyl acetate
Significant accumulation in organisms is not expected.

12.4 Mobility in soil

2,6-di-tert-butyl-p-cresol
Koc: 23 030(20 °C)
Log Koc: 4.362

Linalyl acetate
Koc: 432.4(20 °C)

Linalool
Koc: 75 L/kg(20 °C)

Isononyl acetate
Koc: 4 849(20 °C)

Floralozone
Koc: 331

(Z)-hex-3-enyl hexanoate
Koc, 832

3,7-dimethylnona-1,6-dien-3-ol
The substance is readily biodegradable and therefore degrades rapidly in the environment.

Diethyl malonate

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Due to the low octanol water partition coefficient a study does not has to be conducted.

(Z)-hex-3-enyl acetate
Koc, 83.2(20 °C)

Ethyl acetoacetate
Koc, 31.45(20 °C)

3-methyl-2-butenyl acetate
Adsorption to solid soil or sediment phase is not expected.

12.5 Results of PBT and vPvB assessment

2,6-di-tert-butyl-p-cresol

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).

Linalool

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).

Hedione

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).

Isononyl 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).

Floralozone

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).

Orange, sweet, ext.

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).

(Z)-hex-3-enyl hexanoate

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).

3,7-dimethylnona-1,6-dien-3-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).

Diethyl malonate

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).

(Z)-hex-3-enyl acetate

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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).

Alkanes, C13-16-iso-

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).

Ethyl acetoacetate

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).

3-methyl-2-butenyl 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.

2,6-di-tert-butyl-p-cresol

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.

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.

Linalool

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.

Hedione

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.

Isononyl 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.

Floralozone

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.

Orange, sweet, ext.

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.

(Z)-hex-3-enyl hexanoate

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.

3,7-dimethylnona-1,6-dien-3-ol

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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.

Diethyl malonate

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.

(Z)-hex-3-enyl 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.

Alkanes, C13-16-iso-

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.

Ethyl acetoacetate

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.

3-methyl-2-butenyl 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.

12.7 Other adverse effects

2,6-di-tert-butyl-p-cresol

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.

Linalool

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

Hedione

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

Isononyl acetate

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

Floralozone

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

Orange, sweet, ext.

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

(Z)-hex-3-enyl hexanoate

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

3,7-dimethylnona-1,6-dien-3-ol

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

Diethyl malonate

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

(Z)-hex-3-enyl acetate

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

Alkanes, C13-16-iso-

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

Ethyl acetoacetate

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

3-methyl-2-butenyl 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 applicable

14.2. UN proper shipping name: : not applicable

14.3. Transport hazard class(es): : not applicable

14.4. Packing group : not applicable

14.5. Environmental hazards : no

14.6. Special precautions for user : none

Sea transport

IMDG

14.1. UN number : not applicable

14.2. UN proper shipping name: : not applicable

14.3. Transport hazard class(es): : not applicable

14.4. Packing group : not applicable

14.5. Environmental hazards : no

14.6. Special precautions for user : none

14.7. Maritime transport in bulk according to IMO instruments : Consult IMO regulations before transporting ocean bulk

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Air transport

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IATA/ICAO

- 14.1. UN number: : not applicable
14.2. UN proper shipping name: : not applicable
14.3. Transport hazard class(es): : not applicable
14.4. Packing group: : not applicable
14.5. Environmental hazards: : no
14.6. Special precautions for user : none

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

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

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

Abbreviations and acronyms

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
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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	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
TWA	Time Weighted Average (TWA)
vPvB	very Persistent and very Bioaccumulative

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