



SDS Service Summary

No.:

Date: 12 Mar 2024

Page 1 of 1

SGS Job No. :
Applicant :
Product Name : 100ML SPA REED DIFFUSER -SLEEP
Composition/Ingredient of product (as per applicant submission) : See *section 3 Composition/information on ingredients* on the SDS
Job Receiving Date : 06 Mar 2024
Last Information Date : 06 Mar 2024
SDS Preparation Period : 06 Mar 2024-12 Mar 2024

Service Requested : Preparation of Safety Data Sheet (SDS) for the product with submitted information, with calculation of the classification and labeling requirement according to the submitted composition and European Commission Regulation (EC) No 1272/2008.

Summary : As per request, the contents and formats of the SDS are prepared in accordance with European Commission Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008 and Regulation (EU) No 2020/878, and is provided per attached.

Disclaimer

This Safety Data Sheet (SDS) is provided to applicant to fulfill European Commission Regulation (EC) No 1907/2006 and communicate the hazard information of chemicals through the supply chain to ensure safe use. It is not a test report or a certificate ensuring the safety of a product. SGS has consolidated product information based on documents provided by Applicant (i.e. product name, the supplier details, product composition, available physical data, etc) without independent verification from SGS. The information is provided without any warranty, express or implied, regarding its correctness.

Echo Cai
Project Engineer

Safety data sheet
Regulation (EC) No.1907/2006 and No.1272/2008

Printing date 12.03.2024

Version number 1

Revision date 07.03.2024

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

- 1.1 Product identifier
- Trade name: 100ML SPA REED DIFFUSER -SLEEP
- 1.2 Relevant identified uses of the substance or mixture and uses advised against
- Application of the substance / the mixture: Diffuser
- 1.3 Details of the supplier of the safety data sheet
- Manufacturer/Supplier:

- Only Representative/ other EU contact point: Not available
- 1.4 Emergency telephone number:
IRELAND
National Poisons Information Centre
Tel: +353 (01) 809 2566 (For healthcare professionals)
+353 (01) 809 2166 (For public; 8am - 10pm)
- 1.5 Reference Number: SHHL2403009346SD; NBHL2403003227SD; SHAHL24003896201

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008



GHS07

Skin Sens. 1 H317 May cause an allergic skin reaction.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

- Information concerning particular hazards for human and environment:
The product has to be labelled due to the calculation procedure of Regulation (EC) No. 1272/2008.
- Classification system:
The classification is according to the latest edition of EU Regulation (EC) No. 1272/2008, and extended by company and literature data.
- 2.2 Label elements
- Labelling according to Regulation (EC) No 1272/2008
The product is classified and labelled according to the CLP regulation.
- Hazard pictograms



GHS07

- Signal word Warning
- Hazard-determining components of labelling:
(R)-p-mentha-1,8-diene
(E)-2-methoxy-4-(prop-1-enyl)phenol
linalool
Benzyl salicylate
4-tert-butylcyclohexyl acetate
(E)-2-Benzylideneoctanal
[1.alpha.(E),2.beta.]-1-(2,6,6-Trimethyl-3-cyclohexen-1-yl)-2-buten-1-one
Coumarin
Geranyl acetate

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EU

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Trade name: 100ML SPA REED DIFFUSER -SLEEP

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Geraniol

piperonal

Eugenol

• **Hazard statements**

H317 May cause an allergic skin reaction.

H412 Harmful to aquatic life with long lasting effects.

• **Precautionary statements**

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

P102 Keep out of reach of children.

P103 Read carefully and follow all instructions.

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

P273 Avoid release to the environment.

P280 Wear protective gloves.

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

P321 Specific treatment (see on this label).

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

• **2.3 Other hazards**

• **Results of PBT and vPvB assessment**

• **PBT:** Not applicable.• **vPvB:** Not applicable.

• **Determination of endocrine-disrupting properties**

1222-05-5	1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	List II
118-58-1	Benzyl salicylate	List II

SECTION 3: Composition/information on ingredients

• **3.2 Mixtures**

• **Description:**

Mixture of the substances listed below with nonhazardous additions.

For the wording of the listed hazard statements refer to Section 16.

• **Composition:**

CAS: 34590-94-8 EINECS: 252-104-2	(2-methoxymethylethoxy)propanol substance with a Union workplace exposure limit	88.0%
CAS: 1222-05-5 EINECS: 214-946-9 Index number: 603-212-00-7 Reg.nr.: 01-2119488227-29	1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410 Substance identified as having endocrine disrupting properties (II)	≥0.9-<1.2%
CAS: 5989-27-5 EINECS: 227-813-5 Index number: 601-096-00-2 Reg.nr.: 01-2119529223-47	(R)-p-mentha-1,8-diene ⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Acute 1, H400; ⚠ Skin Irrit. 2, H315; Skin Sens. 1B, H317; Aquatic Chronic 3, H412 Note: C substance with a Union workplace exposure limit	≥0.9-<1.2%
CAS: 121-32-4 EINECS: 204-464-7 Reg.nr.: 01-2119958961-24	Ethyl vanillin ⚠ Eye Irrit. 2, H319	≥0.12-<1.2%

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CAS: 60-12-8 EINECS: 200-456-2 Reg.nr.: 01-2119963921-31	2-phenylethanol ⚠ Acute Tox. 4, H302; Eye Irrit. 2, H319 substance with a Union workplace exposure limit	≥0.3-<0.6%
CAS: 78-70-6 EINECS: 201-134-4 Index number: 603-235-00-2 Reg.nr.: 01-2119474016-42	linalool ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317	≥0.3-<0.6%
CAS: 79-77-6 EINECS: 201-224-3 Reg.nr.: 01-2119449921-34	(E)-4-(2,6,6-trimethyl-1-cyclohexen-1-yl)-3-buten-2-one ⚠ Aquatic Chronic 2, H411	≥0.3-<0.6%
CAS: 118-58-1 EINECS: 204-262-9 Index number: 607-754-00-5 Reg.nr.: 01-2119969442-31	Benzyl salicylate ⚠ Eye Irrit. 2, H319; Skin Sens. 1B, H317; Aquatic Chronic 3, H412 Substance identified as having endocrine disrupting properties (II)	≥0.3-<0.6%
CAS: 140-11-4 EINECS: 205-399-7 Reg.nr.: 01-2119638272-42	benzyl acetate Aquatic Chronic 3, H412 substance with a Union workplace exposure limit	≥0.3-<0.6%
CAS: 32210-23-4 EINECS: 250-954-9 Reg.nr.: 01-2119976286-24	4-tert-butylcyclohexyl acetate ⚠ Skin Sens. 1B, H317	≥0.3-<0.6%
CAS: 68912-13-0 EINECS: 272-805-7	Tricyclodecanyl propionate ⚠ Aquatic Chronic 2, H411	≥0.3-<0.6%
CAS: 165184-98-5 Reg.nr.: 01-2119533092-50	(E)-2-Benzylideneoctanal ⚠ Aquatic Acute 1, H400; Aquatic Chronic 2, H411; ⚠ Skin Sens. 1B, H317	≥0.3-<0.6%
CAS: 319002-92-1 Reg.nr.: 01-0000018277-65	propanoic acid, 2-(1,1-dimethylpropoxy)-, propylester, (2S)- Aquatic Chronic 3, H412	≥0.3-<0.6%
CAS: 91-64-5 EINECS: 202-086-7 Reg.nr.: 01-2119949300-45	Coumarin ⚠ Acute Tox. 3, H301; ⚠ Skin Sens. 1B, H317	≥0.12-<0.3%
CAS: 104-67-6 EINECS: 203-225-4 Reg.nr.: 01-2119959333-34	Undecan-4-olide Aquatic Chronic 3, H412	≥0.12-<0.3%
CAS: 105-87-3 EINECS: 203-341-5 Reg.nr.: 01-2119973480-35	Geranyl acetate ⚠ Skin Irrit. 2, H315; Skin Sens. 1B, H317; Aquatic Chronic 3, H412	≥0.12-<0.3%
CAS: 106-24-1 EINECS: 203-377-1 Index number: 603-241-00-5 Reg.nr.: 01-2119552430-49	Geraniol ⚠ Eye Dam. 1, H318; ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317 substance with a Union workplace exposure limit	≥0.12-<0.3%
CAS: 120-51-4 EINECS: 204-402-9 Index number: 607-085-00-9 Reg.nr.: 01-2119976371-33	Benzyl Benzoate ⚠ Aquatic Acute 1, H400; Aquatic Chronic 2, H411; ⚠ Acute Tox. 4, H302	≥0.12-<0.3%
CAS: 120-57-0 EINECS: 204-409-7 Reg.nr.: 01-2119983608-21	piperonal ⚠ Skin Sens. 1B, H317	≥0.12-<0.3%
CAS: 63500-71-0 EINECS: 405-040-6 Index number: 603-101-00-3 Reg.nr.: 01-0000015458-64	tetrahydro-2-isobutyl-4-methylpyran-4-ol, mixed isomers (cis and trans) ⚠ Eye Irrit. 2, H319	≥0.12-<0.3%
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CAS: 97-53-0 EINECS: 202-589-1 Reg.nr.: 01-2119971802-33	Eugenol ⚠ Eye Irrit. 2, H319; Skin Sens. 1B, H317 substance with a Union workplace exposure limit	≥0.06-<0.12%
CAS: 104-54-1 EINECS: 203-212-3 Reg.nr.: 01-2119934496-29	Cinnamyl alcohol ⚠ Acute Tox. 4, H302; Skin Sens. 1B, H317 substance with a Union workplace exposure limit	≥0.012-<0.06%
CAS: 106-22-9 EINECS: 203-375-0 Reg.nr.: 01-2119453995-23	citronellol ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317	≥0.012-<0.06%
CAS: 106-25-2 EINECS: 203-378-7 Reg.nr.: 01-2119983244-33	nerol ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317	≥0.012-<0.06%
CAS: 112-54-9 EINECS: 203-983-6 Reg.nr.: 01-2119969441-33	dodecanal ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317	≥0.012-<0.06%
CAS: 123-35-3 EINECS: 204-622-5	Myrcene ⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319	≥0.012-<0.06%
CAS: 5392-40-5 EINECS: 226-394-6 Index number: 605-019-00-3 Reg.nr.: 01-2119462829-23	Citral ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317 substance with a Union workplace exposure limit	≥0.012-<0.06%
CAS: 7785-26-4 EINECS: 232-077-3 Reg.nr.: 01-2119979519-16	l.-alpha.-Pinene ⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1B, H317	≥0.012-<0.06%
CAS: 71048-82-3 EINECS: 275-156-8 Reg.nr.: 01-2119535122-53	[1.alpha.(E),2.beta.]-1-(2,6,6-Trimethyl-3-cyclohexen-1-yl)-2-buten-1-one ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1A, H317	≥0.012-<0.06%
CAS: 5932-68-3 EINECS: 227-678-2 Index number: 604-094-00-X	(E)-2-methoxy-4-(prop-1-enyl)phenol ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1A, H317; STOT SE 3, H335 Specific concentration limit: Skin Sens. 1A; H317: C ≥ 0.01 % substance with a Union workplace exposure limit	0-<0.012%

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:**
Supply fresh air and to be sure call for a doctor.
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:**
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**
Never give anything by mouth to an unconscious person.

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Rinse out mouth with water.
Seek medical treatment.

- **4.2 Most important symptoms and effects, both acute and delayed**
No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**
CO₂ powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:**
Wear fully protective suit.
Mouth respiratory protective device.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Avoid contact with eyes.
Avoid contact with skin.
Ensure adequate ventilation.
Keep away from ignition sources.
Use respiratory protective device against the effects of fumes/dust/aerosol.
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:**
Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to section 13.
Ensure adequate ventilation.
- **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
Avoid contact with eyes and skin.
Keep away from heat and direct sunlight.
Keep receptacles tightly sealed.
Open and handle receptacle with care.
For the general occupational hygienic measures refer to Section 8.

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- **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.
Protect from heat.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Requirements to be met by storerooms and receptacles:**
Store in a cool location.
Store only in the original receptacle.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:**
Keep container tightly sealed.
Store in cool, dry conditions in well sealed receptacles.
Protect from heat and direct sunlight.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

· **Ingredients with limit values that require monitoring at the workplace:**

CAS: 34590-94-8 (2-methoxymethylethoxy)propanol

IOELV (EU) Long-term value: 308 mg/m³, 50 ppm
SkinAGW (Germany) Long-term value: 310 mg/m³, 50 ppm
1(I);DFG, EU, 11VLEP (France) Long-term value: 308 mg/m³, 50 ppm
risque de pénétration percutanéeOEL (Ireland) Long-term value: 308 mg/m³, 50 ppm
Sk, IOELV

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

AGW (Germany) Long-term value: 28 mg/m³, 5 ppm
4(II);DFG, H, Sh, Y

CAS: 60-12-8 2-phenylethanol

MAK (Germany) vgl.Abschn.IIb und Xc, Dampf und Aerosol

CAS: 140-11-4 benzyl acetate

OEL (Ireland) Long-term value: 10 ppm

CAS: 106-24-1 Geraniol

MAK (Germany) Dampf und Aerosol; vgl.Abschn.IV

CAS: 97-53-0 Eugenol

MAK (Germany) als Dampf und Aerosol;vgl.Abschn.IV

CAS: 104-54-1 Cinnamyl alcohol

MAK (Germany) als Dampf und Aerosol;vgl.Abschn.IV

CAS: 5392-40-5 Citral

OEL (Ireland) Long-term value: 5 ppm
Inhalable fraction and vapour

CAS: 5932-68-3 (E)-2-methoxy-4-(prop-1-enyl)phenol

MAK (Germany) als Dampf und Aerosol, vgl. Abschn. IV

· **Regulatory information**

IOELV (EU): (EU) 2019/1831

AGW (Germany): TRGS 900

VLEP (France): ED 1487 05.2021

OEL (Ireland): 2021 CoP for the Safety, Health and Welfare at Work

MAK (Germany): MAK- und BAT-Liste

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- **DNELs:** Data not available
- **PNECs:** Data not available
- **Additional information:** The lists valid during the making were used as basis.
- **8.2 Exposure controls**
- **Based on the composition shown in Section 3, the following measures are suggested for occupational safety measure**
- **Appropriate engineering controls**
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
See Section 7 for information about design of technical facilities.
- **Individual protection measures, such as personal protective equipment**
- **Respiratory protection:**
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- **Hand protection**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

- **Material of gloves:**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material:**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eyeface protection**



Tightly sealed goggles

- **Body protection:** Protective work clothing
- **Thermal hazards:** Not required for normal conditions of use.
- **Environmental exposure controls:**
Control measures must be made in accordance with Community environmental protection legislation.

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **Physical state** Liquid
- **Colour:** COLOURLESS TO PALE YELLOW
- **Odour:** Characteristic strong odour according to the commercial description of the substance.
- **Odour threshold:** Data not available
- **Melting point/freezing point:** Data not available
- **Boiling point or initial boiling point and boiling range** Data not available
- **Flammability** Data not available

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· Lower and upper explosion limit	
· Lower:	Data not available
· Upper:	Data not available
· Flash point:	Data not available
· Auto-ignition temperature:	Data not available
· Decomposition temperature:	Data not available
· pH	Data not available
· Viscosity:	
· Kinematic viscosity	Data not available
· Dynamic viscosity:	Data not available
· Solubility	
· water:	Data not available
· Partition coefficient n-octanol/water (log value)	Data not available
· Vapour pressure:	Data not available
· Density and/or relative density	
· Density:	Data not available
· Relative density:	Data not available
· Relative vapour density:	Data not available
· Particle characteristics:	Not applicable

· 9.2 Other information

· Appearance:	
· Form:	Liquid

· Information with regard to physical hazard classes	
· Explosives	Not applicable
· Flammable gases	Not applicable
· Aerosols	Not applicable
· Oxidising gases	Not applicable
· Gases under pressure	Not applicable
· Flammable liquids	Not applicable
· Flammable solids	Not applicable
· Self-reactive substances and mixtures	Not applicable
· Pyrophoric liquids	Not applicable
· Pyrophoric solids	Not applicable
· Self-heating substances and mixtures	Not applicable
· Substances and mixtures, which emit flammable gases in contact with water	Not applicable
· Oxidising liquids	Not applicable
· Oxidising solids	Not applicable
· Organic peroxides	Not applicable
· Corrosive to metals	Not applicable
· Desensitised explosives	Not applicable
· Other safety characteristics	Data not available

SECTION 10: Stability and reactivity

- 10.1 Reactivity: No decomposition if used according to specifications.
- 10.2 Chemical stability: Stable under recommended storage conditions.
- 10.3 Possibility of hazardous reactions: No dangerous reactions known.
- 10.4 Conditions to avoid: No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.

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· 10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

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

· Acute toxicity Based on available data, the classification criteria are not met.

· LD/LC50 values relevant for classification:

CAS: 34590-94-8 (2-methoxymethylethoxy)propanol

Oral LD50 5,135 mg/kg (rat)

Dermal LD50 >19,000 mg/kg (rab)

CAS: 1222-05-5 1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran

Oral LD50 >5,000 mg/kg (rat)

Dermal LD50 >5,000 mg/kg (rabbit)

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

Oral LD50 4,400 mg/kg (rat)

Dermal LD50 >2,000 mg/kg (rabbit)

CAS: 121-32-4 Ethyl vanillin

Oral LD50 1,590 mg/kg (rat)

Dermal LD50 >7,940 mg/kg (rabbit)

CAS: 60-12-8 2-phenylethanol

Oral LD50 1,790 mg/kg (rat)

Dermal LD50 790 mg/kg (rabbit)

CAS: 78-70-6 linalool

Oral LD50 2,790 mg/kg (rat)

Dermal LD50 5,610 mg/kg (rabbit)

CAS: 79-77-6 (E)-4-(2,6,6-trimethyl-1-cyclohexen-1-yl)-3-buten-2-one

Oral LD50 4,590 mg/kg (rat)

CAS: 118-58-1 Benzyl salicylate

Oral LD50 2,227 mg/kg (rat)

Dermal LD50 14,150 mg/kg (rabbit)

CAS: 140-11-4 benzyl acetate

Oral LD50 2,490 mg/kg (rat)

Dermal LD50 >5,000 mg/kg (rabbit)

CAS: 32210-23-4 4-tert-butylcyclohexyl acetate

Oral LD50 5,000 mg/kg (rat)

>5,000 mg/kg (rabbit)

CAS: 91-64-5 Coumarin

Oral LD50 293 mg/kg (rat)

CAS: 104-67-6 Undecan-4-olide

Oral LD50 18,500 mg/kg (rat)

CAS: 105-87-3 Geranyl acetate

Oral LD50 6,330 mg/kg (rat)

CAS: 106-24-1 Geraniol

Oral LD50 3,600 mg/kg (rat)

Dermal LD50 >5,000 mg/kg (rabbit)

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CAS: 120-51-4 Benzyl Benzoate		
Oral	LD50	1,700 mg/kg (rat)
Dermal	LD50	4,000 mg/kg (rabbit)
CAS: 120-57-0 piperonal		
Oral	LD50	2,700 mg/kg (rat)
CAS: 106-22-9 citronellol		
Oral	LD50	3,450 mg/kg (rat)
Dermal	LD50	2,650 mg/kg (rabbit)
CAS: 106-25-2 nerol		
Oral	LD50	4,500 mg/kg (rat)
Dermal	LD50	5,000 mg/kg (rabbit)
CAS: 112-54-9 dodecanal		
Oral	LD50	23,000 mg/kg (rat)
CAS: 5392-40-5 Citral		
Oral	LD50	4,960 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)
		2,250 mg/kg (rabbit)

- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** May cause an allergic skin reaction.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

11.2 Information on other hazards

Endocrine disrupting properties

1222-05-5	1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	List II
118-58-1	Benzyl salicylate	List II

- **Other information** No further relevant information available.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

CAS: 5989-27-5 (R)-p-mentha-1,8-diene	
EC50	69.9 mg/l (daphnia) 48h
LC50 (dynamic)	0.619 mg/l (f) 96hr
	35 mg/l (fish) 96hr

- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.

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- 12.5 Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.
- 12.6 Endocrine disrupting properties For information on endocrine disrupting properties see section 11.
- 12.7 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

- 13.1 Waste treatment methods
- Recommendation:
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- Uncleaned packaging
- Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

· 14.1 UN number or ID number	
· ADR/RID/ADN, IMDG, IATA	Not applicable
· 14.2 UN proper shipping name	
· ADR/RID/ADN, IMDG, IATA	Not applicable
· 14.3 Transport hazard class(es)	
· ADR/RID/ADN, IMDG, IATA	
· Class	Not applicable
· Label	Not applicable
· 14.4 Packing group	
· ADR/RID/ADN, IMDG, IATA	Not applicable
· 14.5 Environmental hazards	
· Marine pollutant:	No
· 14.6 Special precautions for user	Not applicable
· 14.7 Maritime transport in bulk according to IMO instruments	Not applicable
· 14.8 Transport/Additional information:	Not dangerous according to the above specifications.
· UN "Model Regulation":	Not applicable

SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- Directive 2012/18/EU
- Named dangerous substances - ANNEX I None of the ingredients is listed.
- Seveso category P5c FLAMMABLE LIQUIDS
- Qualifying quantity (tonnes) for the application of lower-tier requirements 5,000 t
- Qualifying quantity (tonnes) for the application of upper-tier requirements 50,000 t

· REGULATION (EU) 2019/1021 on persistent organic pollutants (POP)

None of the ingredients is listed.

· Regulation (EU) No 649/2012

None of the ingredients is listed.

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· **REGULATION (EU) 2019/1148**· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

· **Regulation (EC) No 273/2004 on drug precursors**

120-57-0 | piperonal

1

· **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

120-57-0 | piperonal

1

· **REGULATION (EC) No 1005/2009 on substances that deplete the ozone layer – ANNEX I (Ozone-depleting potential)**

None of the ingredients is listed.

· **Other regulations, limitations and prohibitive regulations**· **SVHC Candidate List of REACH Regulation Annex XIV Authorisation (23/1/2024)**

None of the ingredients is listed.

· **REACH Regulation Annex XVII Restriction ((25/9/2023)**

See Section 16 for information about restriction of use.

None of the ingredients is listed.

· **REACH Regulation Annex XIV Authorisation List (13/11/2023)**

None of the ingredients is listed.

· **15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.**

SECTION 16: Other information

· **Relevant hazard statements**

H226 Flammable liquid and vapour.
 H301 Toxic if swallowed.
 H302 Harmful if swallowed.
 H304 May be fatal if swallowed and enters airways.
 H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H318 Causes serious eye damage.
 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.

· **Classification according to Regulation (EC) No 1272/2008**

Skin sensitisation

Hazardous to the aquatic environment - long-term
(chronic) aquatic hazard

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, 1272/2008 and Regulation (EU) No 2020/878.

· **DISCLAIMER OF LIABILITY :**

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or

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disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals
 EINECS: European Inventory of Existing Commercial Chemical Substances
 ELINCS: European List of Notified Chemical Substances
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 DNEL: Derived No-Effect Level (REACH)
 PNEC: Predicted No-Effect Concentration (REACH)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 PBT: Persistent, Bioaccumulative and Toxic
 vPvB: very Persistent and very Bioaccumulative
 Flam. Liq. 3: Flammable liquids – Category 3
 Acute Tox. 3: Acute toxicity – Category 3
 Acute Tox. 4: Acute toxicity – Category 4
 Skin Irrit. 2: Skin corrosion/irritation – Category 2
 Eye Dam. 1: Serious eye damage/eye irritation – Category 1
 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
 Skin Sens. 1: Skin sensitisation – Category 1
 Skin Sens. 1B: Skin sensitisation – Category 1B
 Asp. Tox. 1: Aspiration hazard – Category 1
 Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
 Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
 Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

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