

MOLDAVIA - 14452



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SAFETY DATA SHEET

(REACH regulation (EC) n° 1907/2006 - n° 2020/878)

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Name : MOLDAVIA

Product Code : 14452

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

Concentrated perfume composition free from alcohol.

For industrial and professional use only.

Use: Perfumes, cosmetics and detergents.

1.3. Details of the supplier of the safety data sheet

Registered company name : PARFUMS PLUS FRANCE

Address : Parc d'activité de la Sarrée - Route de Gourdon 06620 Le Bar-sur-Loup FRANCE

Telephone : 04 93 36 51 94 Fax : 04 93 36 61 93

info@parfumsplus.com

http://www.parfumsplus.com

mailto: legislation@parfumsplus.com

1.4. Emergency telephone number : +33 (0)1 45 42 59 59.

Association/Organisation : INRS / ORFILA <http://www.centres-antipoison.net>.

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

In compliance with EC regulation No. 1272/2008 and its amendments.

Skin irritation, Category 2 (Skin Irrit. 2, H315).

Eye irritation, Category 2 (Eye Irrit. 2, H319).

Skin sensitisation, Category 1 (Skin Sens. 1, H317).

Reproductive toxicity, Category 1B (Repr. 1B, H360Fd).

Hazardous to the aquatic environment - Chronic hazard, Category 2 (Aquatic Chronic 2, H411).

2.2. Label elements

In compliance with EC regulation No. 1272/2008 and its amendments.

Hazard pictograms :



GHS07



GHS08



GHS09

Signal Word :

DANGER

Product identifiers :

EC 233-732-6	3,7-DIMETHYL-1,6-NONADIEN-3-OL
601-096-00-2	(R)-P-MENTHA-1,8-DIENE
EC 204-116-4	LINALYL ACETATE
EC 204-262-9	BENZYL SALICYLATE
EC 202-983-3	ALPHA-HEXYLCINNAMALDEHYDE
EC 259-174-3	1-(1,2,3,4,5,6,7,8-OCTAHYDRO-2,3,8-TETRAMETHYL-2-NAPHTHALENYL)ETHANONE
EC 203-375-0	DL-CITRONELLOL

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EC 201-134-4	LINALOOL
603-057-00-5	BENZYL ALCOHOL
EC 203-354-6	OMEGA-PENTADECALACTONE
EC 201-061-8	ETHYL METHYLPHENYLGLYCIDATE
EC 215-635-0	METHYL IONONE (MIXTURE OF ISOMERS)
EC 225-193-0	METHYL ATRARATE
EC 203-161-7	2-METHYL-3-(P-ISOPROPYLPHENYL)PROPIONALDEHYDE
603-241-00-5	GERANIOL
EC 245-833-2	1-(2,6,6-TRIMETHYLCYCLOHEXA-1,3-DIENYL)-2-BUTEN-1-ONE
EC 242-016-2	P-TERT-BUTYLDIHYDROCINNAMALDEHYDE
EC 203-212-3	CINNAMYL ALCOHOL
EC 204-409-7	PIPERONAL
EC 202-589-1	EUGENOL

Additional labeling :

For professional users only.

Hazard statements :

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H360Fd	May damage fertility. Suspected of damaging the unborn child.
H411	Toxic to aquatic life with long lasting effects.

Precautionary statements - Prevention :

P202	Do not handle until all safety precautions have been read and understood.
P261	Avoid breathing dust/fume/gas/vapours.
P264	Wash hands thoroughly after handling.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statements - Response :

P302 + P352	IF ON SKIN: Wash with plenty of water and soap.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332 + P313	If skin irritation occurs: Get medical advice/attention.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P362 + P364	Take off contaminated clothing and wash it before reuse.

Precautionary statements - Disposal :

P501	Dispose of the contents/container in a hazardous or special waste collection centre in accordance with local, regional, national and/or international regulations.
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2.3. Other hazards

The mixture contains substances classified as 'Substances of Very High Concern' (SVHC) $\geq 0.1\%$ published by the European Chemicals Agency (ECHA) under article 59 of REACH: <http://echa.europa.eu/fr/candidate-list-table>

The mixture fulfils neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

The mixture contains at least one substance $\geq 0.1\%$ with endocrine disrupting properties in accordance with the criteria of the Delegated Regulation (EU) 2017/2100 of the Commission or Regulation (EU) 2018/605 of the Commission. Refer to section 3 to identify the substances concerned.

The mixture does not contain synthetic polymer microparticles meeting the definition of microplastics within the meaning of Regulation (EC) No 1907/2006 (REACH).

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS**3.2. Mixtures****Composition :**

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Identification	Classification (EC) 1272/2008	Note	%
INDEX: 605-041-00-3 CAS: 80-54-6 EC: 201-289-8 REACH: 01-2119485965-18-XXXX 2-(4-TERT-BUTYLBENZYL)PROPIONALDEHYDE	GHS08 Dgr Repr. 1B, H360Fd	[ii] [v] [vi]	5 <= x % < 8
CAS: 10339-55-6 EC: 233-732-6 REACH: 01-2119969272-32-000X 3,7-DIMETHYL-1,6-NONADIEN-3-OL	GHS07 Wng Skin Irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319		5 <= x % < 8
INDEX: 607-772-00-3 CAS: 6259-76-3 EC: 228-408-6 REACH: 01-2119638275-36-XXXX HEXYL SALICYLATE	GHS07, GHS08 Wng Skin Sens. 1, H317 Repr. 2, H361d	[ii]	2.5 <= x % < 5
INDEX: 601-096-00-2 CAS: 5989-27-5 EC: 227-813-5 REACH: 01-2119529223-47-00XX (R)-P-MENTHA-1,8-DIENE	GHS02, GHS07, GHS08, GHS09 Dgr Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304 Aquatic Chronic 3, H412 Aquatic Acute 1, H400 M Acute = 1		2.5 <= x % < 5
CAS: 1222-05-5 EC: 214-946-9 REACH: 01-2119488227-29-000X 1,3,4,6,7,8-HEXAHYDRO-4,6,6,7,8,8- HEXAMETHYLCYCLOPENTA-GAMMA-2- BENZOPYRAN	GHS09 Wng Aquatic Acute 1, H400 M Acute = 1 Aquatic Chronic 1, H410 M Chronic = 1		1 <= x % < 2.5
CAS: 115-95-7 EC: 204-116-4 REACH: 01-2119454789-19-0001 LINALYL ACETATE	GHS07 Wng Skin Irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319		1 <= x % < 2.5
CAS: 118-58-1 EC: 204-262-9 REACH: 01-2119969442-31-XXXX BENZYL SALICYLATE	GHS07 Wng Skin Sens. 1B, H317 Aquatic Chronic 3, H412		1 <= x % < 2.5
CAS: 79-77-6 EC: 201-224-3 REACH: 01-2119449921-34-XXXX (E)-.BETA.-IONONE	GHS09 Wng Aquatic Chronic 2, H411		1 <= x % < 2.5
CAS: 60-12-8 EC: 200-456-2 REACH: 01-2119963921-31-XXXX PHENETHYL ALCOHOL	GHS07 Wng Acute Tox. 4, H302 Eye Irrit. 2, H319		1 <= x % < 2.5
CAS: 101-86-0 EC: 202-983-3 REACH: 01-2119533092-50-XXXX ALPHA-HEXYLCINNAMALDEHYDE	GHS07, GHS09 Wng Skin Sens. 1B, H317 Aquatic Chronic 2, H411 Aquatic Acute 1, H400 M Acute = 1		1 <= x % < 2.5
INDEX: 603-101-00-3 EC: 405-040-6 REACH: 01-0000015458-64-0004	GHS07 Wng Eye Irrit. 2, H319		1 <= x % < 2.5

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TETRAHYDRO-2-ISOBUTYL-4-METHYLPYRAN-4-OL, MIXED ISOMERS (CIS AND TRANS)			
CAS: 105-95-3 EC: 203-347-8 REACH: 01-2119976314-33-XXXX ETHYLENE BRASSYLATE	Aquatic Chronic 3, H412		1 <= x % < 2.5
CAS: 54464-57-2 EC: 259-174-3 REACH: 01-2119489989-04-XXXX 1-(1,2,3,4,5,6,7,8-OCTAHYDRO-2,3,8,8-TETRAMETHYL-2-NAPHTHALENYL)ETHANONE	GHS07, GHS09 Wng Skin Irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Chronic 1, H410 M Chronic = 1		1 <= x % < 2.5
CAS: 106-22-9 EC: 203-375-0 REACH: 01-2119453995-23-XXXX DL-CITRONELLOL	GHS07 Wng Skin Irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319		1 <= x % < 2.5
CAS: 78-70-6 EC: 201-134-4 REACH: 01-2119474016-42-0000 LINALOOL	GHS07 Wng Skin Irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319		0.1 <= x % < 1
INDEX: 603-057-00-5 CAS: 100-51-6 EC: 202-859-9 REACH: 01-2119492630-38-XXXX BENZYL ALCOHOL	GHS07 Wng Acute Tox. 4, H302 Skin Sens. 1B, H317 Eye Irrit. 2, H319		0.1 <= x % < 1
CAS: 106-02-5 EC: 203-354-6 REACH: 01-2119987323-31-XXXX OMEGA-PENTADECALACTONE	GHS07, GHS09 Wng Skin Sens. 1B, H317 Aquatic Chronic 2, H411		0.1 <= x % < 1
CAS: 77-83-8 EC: 201-061-8 REACH: 01-2119967770-28-XXXX ETHYL METHYLPHENYLGLYCIDATE	GHS07, GHS09 Wng Skin Sens. 1B, H317 Aquatic Chronic 2, H411		0.1 <= x % < 1
CAS: 1335-46-2 EC: 215-635-0 REACH: 01-2119471851-35-000X METHYL IONONE (MIXTURE OF ISOMERS)	GHS07, GHS09 Wng Skin Irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319 Aquatic Chronic 2, H411		0.1 <= x % < 1
CAS: 4707-47-5 EC: 225-193-0 REACH: 01-2120762759-36-XXXX METHYL ATRARATE	GHS07 Wng Skin Sens. 1B, H317		0.1 <= x % < 1
CAS: 103-95-7 EC: 203-161-7 REACH: 01-2119970582-32-XXXX 2-METHYL-3-(P-ISOPROPYLPHENYL)PROPIONALDEHYDE	GHS07, GHS08 Wng Skin Irrit. 2, H315 Skin Sens. 1B, H317 Repr. 2, H361 Aquatic Chronic 3, H412	[ii]	0.1 <= x % < 1
CAS: 128-37-0 EC: 204-881-4 REACH: 01-2119565113-46-XXX BUTYLATED HYDROXYTOLUENE	GHS09 Wng Aquatic Acute 1, H400 M Acute = 1 Aquatic Chronic 1, H410	[i]	0.1 <= x % < 1

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	M Chronic = 1		
INDEX: 603-241-00-5 CAS: 106-24-1 EC: 203-377-1 GERANIOL	GHS07 Wng Skin Sens. 1, H317		0.1 <= x % < 1
CAS: 23696-85-7 EC: 245-833-2 REACH: Pre-registered 1-(2,6,6-TRIMETHYLCYCLOHEXA-1,3-DIENYL)-2-BUTEN-1-ONE	GHS09, GHS07 Wng Skin Sens. 1, H317 Aquatic Chronic 2, H411		0.1 <= x % < 1
CAS: 18127-01-0 EC: 242-016-2 REACH: 01-2119983533-30-XXXX P-TERT-BUTYLDIHYDROCINNAMALDEHYDE	GHS07, GHS08 Wng Skin Irrit. 2, H315 Skin Sens. 1B, H317 STOT RE 2, H373 Aquatic Chronic 3, H412		0.1 <= x % < 1
CAS: 104-54-1 EC: 203-212-3 REACH: 01-2119934496-29-XXXX CINNAMYL ALCOHOL	GHS07 Wng Acute Tox. 4, H302 Skin Sens. 1B, H317		0.1 <= x % < 1
CAS: 120-57-0 EC: 204-409-7 REACH: 01-2119983608-21-XXXX PIPERONAL	GHS07, GHS08 Wng Skin Sens. 1B, H317 Repr. 2, H361d	[ii]	0.1 <= x % < 1
CAS: 97-53-0 EC: 202-589-1 REACH: 01-2119971802-33-XXXX EUGENOL	GHS07 Wng Skin Sens. 1B, H317 Eye Irrit. 2, H319		0.1 <= x % < 1

Specific concentration limits:

Identification	Specific concentration limits	ATE
CAS: 10339-55-6 EC: 233-732-6 REACH: 01-2119969272-32-000X 3,7-DIMETHYL-1,6-NONADIEN-3-OL		oral: ATE = 5000 mg/kg BW
CAS: 118-58-1 EC: 204-262-9 REACH: 01-2119969442-31-XXXX BENZYL SALICYLATE		oral: ATE = 2227 mg/kg BW
CAS: 79-77-6 EC: 201-224-3 REACH: 01-2119449921-34-XXXX (E)-.BETA.-IONONE		oral: ATE = 3940 mg/kg BW
CAS: 60-12-8 EC: 200-456-2 REACH: 01-2119963921-31-XXXX PHENETHYL ALCOHOL		oral: ATE = 1610 mg/kg BW
CAS: 101-86-0 EC: 202-983-3 REACH: 01-2119533092-50-XXXX ALPHA-HEXYLCINNAMALDEHYDE		oral: ATE = 3100 mg/kg BW
CAS: 106-22-9 EC: 203-375-0 REACH: 01-2119453995-23-XXXX DL-CITRONELLOL		dermal: ATE = 2650 mg/kg BW oral: ATE = 3450 mg/kg BW
CAS: 78-70-6 EC: 201-134-4		oral: ATE = 2790 mg/kg BW

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REACH: 01-2119474016-42-0000 LINALOOL		
INDEX: 603-057-00-5 CAS: 100-51-6 EC: 202-859-9 REACH: 01-2119492630-38-XXXX BENZYL ALCOHOL		oral: ATE = 1200 mg/kg BW
CAS: 106-02-5 EC: 203-354-6 REACH: 01-2119987323-31-XXXX OMEGA-PENTADECALACTONE		oral: ATE = 2820 mg/kg BW
CAS: 103-95-7 EC: 203-161-7 REACH: 01-2119970582-32-XXXX 2-METHYL-3-(P-ISOPROPYLPHENYL)PROPIONALDEHYDE		oral: ATE = 3810 mg/kg BW
CAS: 23696-85-7 EC: 245-833-2 REACH: Pre-registered 1-(2,6,6-TRIMETHYLCYCLOHEXA-1,3-DIENYL)-2-BUTEN-1-ONE		dermal: ATE = 2900 mg/kg BW
CAS: 18127-01-0 EC: 242-016-2 REACH: 01-2119983533-30-XXXX P-TERT-BUTYLDIHYDROCINNAMALDEHYDE		oral: ATE = 2500 mg/kg BW
CAS: 104-54-1 EC: 203-212-3 REACH: 01-2119934496-29-XXXX CINNAMYL ALCOHOL		oral: ATE = 2000 mg/kg BW
CAS: 120-57-0 EC: 204-409-7 REACH: 01-2119983608-21-XXXX PIPERONAL		oral: ATE = 2700 mg/kg BW

Information on ingredients :

(Full text of H-phrases: see section 16)

[i] Substance for which maximum workplace exposure limits are available.

[ii] Carcinogenic, mutagenic or reprotoxic (CMR) substance.

[v] Substance that has severe irreversible effects on man and the environment such as causing endocrine disorders.

[vi] Substances of very high concern (SVHC).

SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

4.1. description of first aid measures**In the event of splashes or contact with eyes :**

Wash thoroughly with fresh, clean water for 15 minutes holding the eyelids open.

If there is any redness, pain or visual impairment, consult an ophthalmologist.

In the event of splashes or contact with skin :

Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.

Watch out for any remaining product between skin and clothing, watches, shoes, etc.

In the event of an allergic reaction, seek medical attention.

If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

In the event of swallowing :

Do not give the patient anything orally.

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In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.
Seek medical attention immediately, showing the label.

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

No data available.

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

No data available.

SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed :

- carbon monoxide (CO)
- carbon dioxide (CO₂)

5.3. Advice for firefighters

No data available.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

For non first aid worker

Avoid any contact with the skin and eyes.

For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up

Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections

No data available.

SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

Individuals with a history of skin sensitisation should not, under any circumstance, handle this mixture.

Avoid exposure to pregnant women and warn women of child-bearing age of the possible risks

7.1. Precautions for safe handling

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Fire prevention :

Prevent access by unauthorised personnel.

Recommended equipment and procedures :

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Avoid skin and eye contact with this mixture.

Avoid exposure - obtain special instructions before use.

Prohibited equipment and procedures :

No smoking, eating or drinking in areas where the mixture is used.

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7.2. Conditions for safe storage, including any incompatibilities

No data available.

German regulations concerning the storage of hazardous substances in non-stationary containers (TRGS 510) :

Storage class (LGK) :

Storage class 6.1C : Combustible substances of acute toxicity, category 3 / hazardous substances that are toxic or produce chronic effects.

Packaging

Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)

No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1. Control parameters****Occupational exposure limits :**

- UK :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
128-37-0 BUTYLATED HYDROXYTOLUENE	10 mg/m3				

8.2. Exposure controls**Personal protection measures, such as personal protective equipment**

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE) :



Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles with protective sides accordance with standard ISO 16321.

In the event of high danger, protect the face with a face shield.

Prescription glasses are not considered as protection.

Individuals wearing contact lenses should wear prescription glasses during work where they may be exposed to irritant vapours.

Provide eyewash stations in facilities where the product is handled constantly.

- Hand protection

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN ISO 374-1.

Gloves must be selected according to the application and duration of use at the workstation.

Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

- Body protection

Avoid skin contact.

Wear suitable protective clothing.

Suitable type of protective clothing :

In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605/A1 to prevent skin contact.

In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034/A1 to prevent skin contact.

Work clothing worn by personnel shall be laundered regularly.

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After contact with the product, all parts of the body that have been soiled must be washed.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties****Physical state**

Physical state : Fluid liquid.

Colour

Color: YELLOW TO LIGHT YELLOW

Odour

Odour threshold : Not stated.

Odour: CITRUSY FLORAL WOODY

Melting point

Melting point/melting range : Not relevant.

Freezing point

Freezing point / Freezing range : Not stated.

Boiling point or initial boiling point and boiling range

Boiling point/boiling range : Not relevant.

Flammability

Combustible.

Lower and upper explosion limit

Explosive properties, lower explosivity limit (%) : Not stated.

Explosive properties, upper explosivity limit (%) : Not stated.

Flash point

Flash Point Interval : $60^{\circ}\text{C} < \text{FP} \leq 93^{\circ}\text{C}$
Method for determining the flash point:

ISO 2719 : 2016 (Pensky-Martens method in closed cup)

Auto-ignition temperature

Self-ignition temperature : Not relevant.

Decomposition temperature

Decomposition point/decomposition range : Not relevant.

pH

pH (aqueous solution) : Not stated.

pH : Not relevant.

Kinematic viscosity

Viscosity : Not stated.

Viscosity: $\nu < 7 \text{ mm}^2/\text{s}$ (40°C)

Solubility

Water solubility : Insoluble.

Fat solubility : Not stated.

Partition coefficient n-octanol/water (log value)

Partition coefficient: n-octanol/water : Not stated.

Vapour pressure

Vapour pressure (50°C) : Below 110 kPa (1.10 bar).

Density and/or relative density

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Density : 0.9652/0.9852@20°C
Method for determining the density :

OECD Guideline 109

Relative vapour density

Vapour density : Not stated.

Particle characteristics

The mixture does not contain nanoforms.

9.2. Other information

Index of refraction : 1.4715/1.4815@20°C
Method of determining the refractive index :

NF ISO 280:1999 (T75-112)

% VOC : 1.5041

9.2.1. Information with regard to physical hazard classes

No data available.

9.2.2. Other safety characteristics

No data available.

SECTION 10 : STABILITY AND REACTIVITY**10.1. Reactivity**

No data available.

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

No data available.

10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products

The thermal decomposition may release/form :

- carbon monoxide (CO)
- carbon dioxide (CO₂)

SECTION 11 : TOXICOLOGICAL INFORMATION**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****11.1.1. Substances****a) Acute toxicity :**

1-(2,6,6-TRIMETHYLCYCLOHEXA-1,3-DIENYL)-2-BUTEN-1-ONE (CAS: 23696-85-7)

Dermal route : LD50 = 2900 mg/kg body weight

PIPERONAL (CAS: 120-57-0)

Oral route : LD50 = 2700 mg/kg body weight

Species : Rat

OECD Guideline 401 (Acute Oral Toxicity)

Dermal route : LD50 > 5000 mg/kg body weight

Species : Rat

OECD Guideline 402 (Acute Dermal Toxicity)

CINNAMYL ALCOHOL (CAS: 104-54-1)

Oral route : LD50 = 2000 mg/kg body weight

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P-TERT-BUTYLDIHYDROCINNAMALDEHYDE (CAS:
18127-01-0)

Oral route :

LD50 = 2500 mg/kg body weight

2-METHYL-3-(P-ISOPROPYLPHENYL)PROPIONALDEHYDE
(CAS: 103-95-7)

Oral route :

LD50 = 3810 mg/kg body weight

OMEGA-PENTADECALACTONE (CAS: 106-02-5)

Oral route :

LD50 = 2820 mg/kg body weight

BENZYL ALCOHOL (CAS: 100-51-6)

Oral route :

LD50 = 1200 mg/kg body weight

LINALOOL (CAS: 78-70-6)

Oral route :

LD50 = 2790 mg/kg body weight

DL-CITRONELLOL (CAS: 106-22-9)

Oral route :

LD50 = 3450 mg/kg body weight

Dermal route :

LD50 = 2650 mg/kg body weight

ALPHA-HEXYLCINNAMALDEHYDE (CAS: 101-86-0)

Oral route :

LD50 = 3100 mg/kg body weight

PHENETHYL ALCOHOL (CAS: 60-12-8)

Oral route :

LD50 = 1610 mg/kg body weight

(E)-.BETA.-IONONE (CAS: 79-77-6)

Oral route :

LD50 = 3940 mg/kg body weight

BENZYL SALICYLATE (CAS: 118-58-1)

Oral route :

LD50 = 2227 mg/kg body weight

3,7-DIMETHYL-1,6-NONADIEN-3-OL (CAS: 10339-55-6)

Oral route :

LD50 = 5000 mg/kg body weight

b) Skin corrosion/skin irritation :

No data available.

c) Serious damage to eyes/eye irritation :

No data available.

d) Respiratory or skin sensitisation :

No data available.

e) Germ cell mutagenicity :

No data available.

f) Carcinogenicity :

No data available.

g) Reproductive toxicant :

PIPERONAL (CAS: 120-57-0)

Suspected of damaging the unborn child.

Study on development :

Species : Rat

OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)

h) Specific target organ systemic toxicity - single exposure :

No data available.

i) Specific target organ systemic toxicity - repeated exposure :

No data available.

j) Aspiration hazard :

No data available.

11.1.2. Mixture

11.1.2.1 Information on hazard classes

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a) Acute toxicity :

Oral route : No data available.

Dermal route : No data available.

Inhalation route (Dusts/mist) : No data available.

b) Skin corrosion/skin irritation :

May cause reversible damage to the skin; namely inflammation of the skin or the formation of erythema and eschar or oedema following exposure up to four hours.

c) Serious damage to eyes/eye irritation :

May have reversible effects on the eyes, such as eye irritation which is totally reversible by the end of observation at 21 days.

d) Respiratory or skin sensitisation :

May cause an allergic reaction by skin contact.

e) Germ cell mutagenicity :

No data available.

f) Carcinogenicity :

No data available.

g) Reproductive toxicant :

Presumed human reproductive toxicant.

May damage fertility and suspected of damaging the unborn child.

h) Specific target organ systemic toxicity - single exposure :

No data available.

i) Specific target organ systemic toxicity - repeated exposure :

No data available.

j) Aspiration hazard :

No data available.

11.1.2.2 Other information

Monograph(s) from the IARC (International Agency for Research on Cancer) :

CAS 123-35-3 : IARC Group 2B : The agent is possibly carcinogenic to humans.

CAS 97-53-0 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

CAS 128-37-0 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

CAS 140-11-4 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

CAS 5989-27-5 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

11.2. Information on other hazards

Endocrine disrupting properties

The mixture contains at least one substance evaluated as an endocrine disruptor with effects on human health. Refer to Section 3 to identify the substances concerned.

SECTION 12 : ECOLOGICAL INFORMATION

Toxic to aquatic life with long lasting effects.

The product must not be allowed to run into drains or waterways.

12.1. Toxicity

12.1.1. Substances

PIPERONAL (CAS: 120-57-0)

Fish toxicity :

LC50 = 2.5 mg/l

Species : Cyprinus carpio

Duration of exposure : 96 h

OECD Guideline 203 (Fish, Acute Toxicity Test)

Crustacean toxicity :

EC50 = 52 mg/l

Species : Daphnia magna

Duration of exposure : 48 h

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Algae toxicity :

OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

EC50 mg/l

Species : Daphnia magna

Duration of exposure : 48 h

OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

ECr50 = 31 mg/l

Species : Pseudokirchnerella subcapitata

Duration of exposure : 72 h

OECD Guideline 201 (Alga, Growth Inhibition Test)

EC50 mg/l

Species : Raphidocelis subcapitata

Duration of exposure : 72 h

OECD Guideline 201 (Alga, Growth Inhibition Test)

12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability

12.2.1. Substances

PIPERONAL (CAS: 120-57-0)

Biodegradability :

Rapidly degradable.

12.3. Bioaccumulative potential

12.3.1. Substances

PIPERONAL (CAS: 120-57-0)

Octanol/water partition coefficient :

Log Kow = 1.2

OECD Guideline 117 (Partition Coefficient (n-octanol / water), HPLC Method)

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Endocrine disrupting properties

The mixture contains at least one substance evaluated as an endocrine disruptor with environmental effects. Refer to Section 3 to identify the substances concerned.

12.7. Other adverse effects

No data available.

German regulations concerning the classification of hazards for water (WGK, AwSV Annex I, KBws) :

WGK 3 : Extremely hazardous for water.

SECTION 13 : DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste :

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging :

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

SECTION 14 : TRANSPORT INFORMATION

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Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2025 - IMDG 2024 [42-24] - ICAO/IATA 2026 [67]).

14.1. UN number or ID number

3082

14.2. UN proper shipping name

UN3082=ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
((r)-p-mentha-1,8-diene)

14.3. Transport hazard class(es)



- Classification :
9

14.4. Packing group

III

14.5. Environmental hazards



- Environmentally hazardous material :

14.6. Special precautions for user

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.	EQ	Cat.	Tunnel
	9	M6	III	9	90	5 L	274 335 375 601 650	E1	3	-
	Not subject to this regulation if Q <= 5 l / 5 kg (ADR 3.3.1 - DS 375)									
IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.	EQ	Stowage Handling	Segregation	
	9	-	III	5 L	F-A. S-F	274 335 375 969	E1	Category A	-	
	Not subject to this regulation if Q <= 5 l / 5 kg (IMDG									

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	3.3.1 - 2.10.2.7)									
IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	EQ	
	9	-	III	964	450 L	964	450 L	A97 A158 A197 A215	E1	
	9	-	III	Y964	30 kg G	-	-	A97 A158 A197 A215	E1	
	Not subject to this regulation if Q <= 5 l / 5 kg (IATA 4.4.4 - DS A197)									

For limited quantities, see part 2.7 of the OACI/IATA and chapter 3.4 of the ADR and IMDG.

For excepted quantities, see part 2.6 of the OACI/IATA and chapter 3.5 of the ADR and IMDG.

Marine pollutant (IMDG 3.1.2.9):((r)-p-mentha-1,8-diene)

14.7. Maritime transport in bulk according to IMO instruments

No data available.

SECTION 15 : REGULATORY INFORMATION**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Classification and labelling information included in section 2:**

The following regulations have been used:

- EU Regulation No. 1272/2008 amended by EU Regulation No. 2023/707.
- EU Regulation No. 1272/2008 amended by EU Regulation No. 2025/1222. (ATP 23)

Container information:

No data available.

Particular provisions :

No data available.

Restrictions applied under Title VIII of Regulation (EC) No. 1907/2006 (REACH):

The mixture contains at least one restricted substance under Annex XVII of Regulation (EC) No. 1907/2006 (REACH): <https://echa.europa.eu/substances-restricted-under-reach>. Please refer to Section 3 to identify the substance involved.

For professional users only.

Authorisations agreed under Title VII of Regulation (EC) No.1907/2006 (REACH):

The mixture does not contain any substance subject to authorisation according to Annex XIV of REACH Regulation (EC) No 1907/2006: <https://echa.europa.eu/fr/authorisation-list>.

Ozone-depleting substances (Regulation (EC) No 2024/590).

The mixture does not contain any substance posing a risk to the ozone layer.

Persistent organic pollutants (POP) (Regulation (EU) 2019/1021):

The mixture does not contain a persistent organic pollutant.

PIC Regulation (EU) No 649/2012 concerning the export and import of hazardous chemicals (Rotterdam Convention):

The mixture is not subject to the Prior Informed Consent (PIC) procedure.

Explosives precursors :

The mixture does not contain any substance subject to Regulation (EU) 2019/1148 on the marketing and use of explosives precursors.

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German regulations concerning the classification of hazards for water (WGK, AwSV Annex I, KBws) :

WGK 3 : Extremely hazardous for water.

Swiss ordinance on the incentive tax on volatile organic compounds :

140-11-4 benzyl acetate

100-51-6 benzyl alcohol (phenylmethanol)

5989-27-5 d-limonene ((R)-p-mentha-1,8-dien)

15.2. Chemical safety assessment

No data available.

SECTION 16 : OTHER INFORMATION

Wording of the phrases mentioned in section 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.
H360Fd	May damage fertility. Suspected of damaging the unborn child.
H361	Suspected of damaging fertility or the unborn child .
H361d	Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure .
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Abbreviations and acronyms :

LD50 : The dose of a test substance resulting in 50% lethality in a given time period.
LC50 : The concentration of a test substance resulting in 50% lethality in a given period.
EC50 : The effective concentration of substance that causes 50% of the maximum response.
ECr50 : The effective concentration of substance that causes 50% reduction in growth rate.
LQ : Limited Quantity
EQ : Excepted Quantity
EmS : Emergency Schedule
E : Packing Instruction
REACH : Registration, Evaluation, Authorization and Restriction of Chemical Substances.
ATE : Acute Toxicity Estimate
BW : Body Weight
CMR: Carcinogenic, mutagenic or reprotoxic.
STEL : Short-term exposure limit
TWA : Time-Weighted Average
VLE : Threshold Limit Value (exposure)
VME : Average Exposure Value.
ADR : Agreement concerning the international carriage of dangerous goods by road.
GHS07 : Exclamation mark
GHS08 : Health hazard
GHS09 : Environment
IATA : International Air Transport Association.
IMDG : International Maritime Dangerous Goods.
ICAO : International Civil Aviation Organisation
PBT: Persistent, bioaccumulable and toxic.
PIC: Prior Informed Consent.

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POP: Persistent Organic Pollutant.

RID : Regulations concerning the International carriage of Dangerous goods by rail.

SVHC : Substances of very high concern.

WGK : Water Hazard Class.

The information contained in this safety data sheet is based on our current knowledge at the time of publication and is provided in good faith. It does not constitute any guarantee of specific product properties nor establish any contractual relationship. The user remains solely responsible for safe and compliant use of the product in accordance with current regulations.