

## FO 69109 – SOVEREIGN VALLEY

**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 : SOVEREIGN VALLEY

Product code : FO 69109

**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).

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



GHS09

Signal Word :

WARNING

Product identifiers :

EC 259-174-3	1-(1,2,3,4,5,6,7,8-OCTAHYDRO-2,3,8,8-TETRAMETHYL-2-NAPHTHALENYL)ETHANONE
EC 201-134-4	LINALOOL
EC 225-193-0	METHYL ATRARATE
EC 243-384-7	CEDROL METHYL ETHER
EC 204-262-9	BENZYL SALICYLATE
EC 204-116-4	LINALYL ACETATE
EC 203-375-0	DL-CITRONELLOL
EC 251-649-3	6,7-DIHYDRO-1,1,2,3,3-PENTAMETHYL-4(5H)-INDANONE

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601-096-00-2	(R)-P-MENTHA-1,8-DIENE
EC 203-354-6	OMEGA-PENTADECALACTONE
EC 251-020-3	ACETYL CEDRENE
EC 202-792-5	ALPHA-PHELLANDRENE
EC 202-086-7	COUMARIN
EC 202-590-7	ISOEUGENOL

Additional labeling :

Hazard statements :

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H411	Toxic to aquatic life with long lasting effects.

Precautionary statements - Prevention :

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 does not contain 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 does not contain substances  $\geq 0.1\%$  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.

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 :**

Identification	Classification (EC) 1272/2008	Note	%
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		8 $\leq$ x% < 11
CAS: 18479-58-8 EC: 242-362-4 REACH: 01-2119457274-37-0008 DIHYDROMYRCENOL	GHS07 Wng Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H336		5 $\leq$ x% < 8

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CAS: 105-95-3 EC: 203-347-8 REACH: 01-2119976314-33-XXXX ETHYLENE BRASSYLATE	Aquatic Chronic 3, H412		2.5 <= x % < 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		2.5 <= x % < 5
CAS: 20298-69-5 EC: 243-718-1 REACH: 01-2119970713-33-XXXX CIS-2-TERT-BUTYLCYCLOHEXYL ACETATE	GHS09 Wng Aquatic Chronic 2, H411		2.5 <= x % < 5
CAS: 4940-11-8 EC: 225-582-5 REACH: 01-2120758795-36-XXXX ETHYL MALTOL	GHS07 Wng Acute Tox. 4, H302		2.5 <= x % < 5
CAS: 4707-47-5 EC: 225-193-0 REACH: 01-2120762759-36-XXXX METHYL ATRARATE	GHS07 Wng Skin Sens. 1B, H317		1 <= x % < 2.5
INDEX: 603-101-00-3 EC: 405-040-6 REACH: 01-0000015458-64-0004 TETRAHYDRO-2-ISOBUTYL-4-METHYLPYRAN-4-OL, MIXED ISOMERS (CIS AND TRANS)	GHS07 Wng Eye Irrit. 2, H319		1 <= x % < 2.5
CAS: 67674-46-8 EC: 266-885-2 REACH: 01-2120741268-52-XXXX 6,6-DIMETHOXY-2,5,5-TRIMETHYLHEX-2-ENE	GHS07 Wng Skin Irrit. 2, H315 Aquatic Chronic 3, H412		1 <= x % < 2.5
CAS: 19870-74-7 EC: 243-384-7 REACH: 01-2120228335-61-XXXX CEDROL METHYL ETHER	GHS07, GHS09 Wng Skin Sens. 1B, H317 Aquatic Acute 1, H400 M Acute = 1 Aquatic Chronic 1, H410 M Chronic = 1		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: 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: 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: 33704-61-9 EC: 251-649-3 REACH: 01-2119977131-40-0000 6,7-DIHYDRO-1,1,2,3,3-PENTAMETHYL-4(5H)-INDANONE	GHS07, GHS09 Wng Skin Irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319		1 <= x % < 2.5

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INDEX: 601-096-00-2 CAS: 5989-27-5 EC: 227-813-5 REACH: 01-2119529223-47-00XX (R)-P-MENTHA-1,8-DIENE	Aquatic Chronic 2, H411 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		1 <= x % < 2.5
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: 32388-55-9 EC: 251-020-3 REACH: 01-2119969651-28-XXXX ACETYL CEDRENE	GHS07, GHS09 Wng Skin Sens. 1B, H317 Aquatic Acute 1, H400 M Acute = 1 Aquatic Chronic 1, H410 M Chronic = 1		0.1 <= x % < 1
CAS: 1506-02-1 EC: 216-133-4 REACH: 01-2119539433-40-XXXX 1-(5,6,7,8-TETRAHYDRO-3,5,5,6,8,8- HEXAMETHYL-2-NAPHTHYL)ETHAN-1-ONE (FIXOLID)	GHS07, GHS09 Wng Acute Tox. 4, H302 Aquatic Acute 1, H400 M Acute = 1 Aquatic Chronic 1, H410 M Chronic = 1		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 M Chronic = 1	[i]	0.1 <= x % < 1
CAS: 99-83-2 EC: 202-792-5 REACH: 01-2120768949-27-XXXX ALPHA-PHELLANDRENE	GHS02, GHS07, GHS08, GHS09 Dgr Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Sens. 1, H317 Aquatic Acute 1, H400 M Acute = 1 Aquatic Chronic 1, H410 M Chronic = 1		0.1 <= x % < 1
CAS: 91-64-5 EC: 202-086-7 REACH: 01-2119949300-45-XXXX COUMARIN	GHS07 Wng Acute Tox. 4, H302 Skin Sens. 1B, H317		0.1 <= x % < 1
CAS: 97-54-1 EC: 202-590-7 REACH: 01-2120223682-61-XXXX ISOEUGENOL	GHS07 Wng Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Irrit. 2, H315 Skin Sens. 1A, H317 Eye Irrit. 2, H319 Acute Tox. 4, H332 STOT SE 3, H335		0 <= x % < 0.1
INDEX: 607-022-00-5 CAS: 141-78-6	GHS02, GHS07 Dgr	[i]	0 <= x % < 0.1

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EC: 205-500-4 REACH: 01-2119475103-46-XXXX ETHYL ACETATE	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 EUH066		
CAS: 1319-77-3 EC: 215-293-2 CRESOL (MIXED ISOMERS)	GHS05, GHS06 Dgr Acute Tox. 3, H301 Acute Tox. 3, H311 Skin Corr. 1B, H314 Eye Dam. 1, H318 Aquatic Chronic 3, H412	[i]	0 <= x % < 0.1
INDEX: 601-043-00-3 CAS: 95-63-6 EC: 202-436-9 1,2,4-TRIMETHYLBENZENE	GHS02, GHS07, GHS09 Wng Flam. Liq. 3, H226 Acute Tox. 4, H332 Eye Irrit. 2, H319 STOT SE 3, H335 Skin Irrit. 2, H315 Aquatic Chronic 2, H411	[i]	0 <= x % < 0.1
CAS: 108-95-2 EC: 203-632-7 PHENOL	GHS05, GHS06, GHS08 Dgr Acute Tox. 3, H301 Acute Tox. 3, H311 Skin Corr. 1B, H314 Eye Dam. 1, H318 Acute Tox. 3, H331 Muta. 2, H341 STOT RE 2, H373	[i] [ii]	0 <= x % < 0.1
CAS: 100-42-5 EC: 202-851-5 REACH: 01-2119457861-32-XXXX STYRENE	GHS02, GHS07, GHS08 Dgr Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Acute Tox. 4, H332 STOT SE 3, H335 Repr. 2, H361 STOT RE 1, H372 Aquatic Chronic 3, H412	[i] [ii]	0 <= x % < 0.1
CAS: 98-01-1 EC: 202-627-7 REACH: 01-2119486861-27-XXXX FURFURAL	GHS02, GHS06, GHS08 Dgr Flam. Liq. 3, H226 Acute Tox. 3, H301 Acute Tox. 4, H312 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Acute Tox. 2, H330 STOT SE 3, H335 Carc. 2, H351 Aquatic Chronic 3, H412	[i] [ii]	0 <= x % < 0.1

## Specific concentration limits:

Identification	Specific concentration limits	ATE
CAS: 18479-58-8 EC: 242-362-4 REACH: 01-2119457274-37-0008 DIHYDROMYRCENOL		oral: ATE = 3020 mg/kg BW
CAS: 78-70-6		oral: ATE = 2790 mg/kg BW

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EC: 201-134-4 REACH: 01-2119474016-42-0000 LINALOOL		
CAS: 20298-69-5 EC: 243-718-1 REACH: 01-2119970713-33-XXXX CIS-2-TERT-BUTYLCYCLOHEXYL ACETATE		oral: ATE = 4600 mg/kg BW
CAS: 4940-11-8 EC: 225-582-5 REACH: 01-2120758795-36-XXXX ETHYL MALTOL		oral: ATE = 1200 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: 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: 33704-61-9 EC: 251-649-3 REACH: 01-2119977131-40-0000 6,7-DIHYDRO-1,1,2,3,3-PENTAMETHYL-4(5H)- INDANONE		oral: ATE = 2900 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: 32388-55-9 EC: 251-020-3 REACH: 01-2119969651-28-XXXX ACETYL CEDRENE		oral: ATE = 4500 mg/kg BW
CAS: 1506-02-1 EC: 216-133-4 REACH: 01-2119539433-40-XXXX 1-(5,6,7,8-TETRAHYDRO-3,5,5,6,8,8- HEXAMETHYL-2-NAPHTHYL)ETHAN-1-ONE (FIXOLID)		oral: ATE = 1000 mg/kg BW
CAS: 97-54-1 EC: 202-590-7 REACH: 01-2120223682-61-XXXX ISOEUGENOL	Skin Sens. 1A: H317 C>= 0.01%	dermal: ATE = 1912 mg/kg BW oral: ATE = 542 mg/kg BW
CAS: 1319-77-3 EC: 215-293-2 CRESOL (MIXED ISOMERS)		oral: ATE = 174 mg/kg BW
CAS: 98-01-1 EC: 202-627-7 REACH: 01-2119486861-27-XXXX FURFURAL		inhalation: ATE = 1 mg/l 4h (vapours)

**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.

**SECTION 4 : FIRST AID MEASURES**

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

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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.

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 (CO<sub>2</sub>)

**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.

**7.1. Precautions for safe handling**

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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.

**Prohibited equipment and procedures :**

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

**7.2. Conditions for safe storage, including any incompatibilities**

No data available.

**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 :**

- European Union :

CAS	VME-mg/ m3 :	VME-ppm :	VLE-mg/m3 :	VLE-ppm :	Notes :
141-78-6 ETHYL ACETATE	734	200	1468	400	-
1319-77-3 CRESOL (MIXED ISOMERS)	5	22	-	-	-
95-63-6 1,2,4-TRIMETHYLBENZENE	100	20	-	-	-
108-95-2 PHENOL	7.8	2	-	-	-

- UK :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
128-37-0 BUTYLATED HYDROXYTOLUENE	10 mg/m3				
141-78-6 ETHYL ACETATE	200 ppm 734 mg/m3	400 ppm 1468 mg/m3			
108-95-2 PHENOL	2 ppm 7.8 mg/m3	4 ppm 16 mg/m3			
100-42-5 STYRENE	100 ppm 430 mg/m3	250 ppm 1080 mg/m3			
98-01-1 FURFURAL	2 ppm 8 mg/m3	5 ppm 20 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.

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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.

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

**Odour**

Odour threshold : Not stated.

Odour: LEATHER WOODY EDIBLE

**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°C < FP <= 93°C

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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:

v < 7 mm<sup>2</sup>/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**

Density :

0.9809/1.0009@20°C

OECD Guideline 109

Method for determining the density :

**Relative vapour density**

Vapour density :

Not stated.

**Particle characteristics**

The mixture does not contain nanoforms.

**9.2. Other information**

Index of refraction :

1.4595/1.4695@20°C

NF ISO 280:1999 (T75-112)

Method of determining the refractive index :

% VOC :

0.5976

**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**

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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 (CO<sub>2</sub>)

**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 :**

FURFURAL (CAS: 98-01-1)

Inhalation route (Vapours) :

LC50 = 1 mg/l

Duration of exposure : 4 h

CRESOL (MIXED ISOMERS) (CAS: 1319-77-3)

Oral route :

LD50 = 174 mg/kg body weight

ISOEUGENOL (CAS: 97-54-1)

Oral route :

LD50 = 542 mg/kg body weight

Dermal route :

LD50 = 1912 mg/kg body weight

1-(5,6,7,8-TETRAHYDRO-3,5,5,6,8,8-HEXAMETHYL-2-NAPHTHYL)ETHAN-1-ONE (FIXOLID) (CAS: 1506-02-1)

Oral route :

LD50 = 1000 mg/kg body weight

ACETYL CEDRENE (CAS: 32388-55-9)

Oral route :

LD50 = 4500 mg/kg body weight

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

Oral route :

LD50 = 2820 mg/kg body weight

6,7-DIHYDRO-1,1,2,3,3-PENTAMETHYL-4(5H)-INDANONE (CAS: 33704-61-9)

Oral route :

LD50 = 2900 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

BENZYL SALICYLATE (CAS: 118-58-1)

Oral route :

LD50 = 2227 mg/kg body weight

ETHYL MALTOL (CAS: 4940-11-8)

Oral route :

LD50 = 1200 mg/kg body weight

CIS-2-TERT-BUTYLCYCLOHEXYL ACETATE (CAS: 20298-69-5)

Oral route :

LD50 = 4600 mg/kg body weight

LINALOOL (CAS: 78-70-6)

Oral route :

LD50 = 2790 mg/kg body weight

DIHYDROMYRCENOL (CAS: 18479-58-8)

Oral route :

LD50 = 3020 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 :**

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No data available.

**f) Carcinogenicity :**

No data available.

**g) Reproductive toxicant :**

No data available.

**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****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 :**

No data available.

**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 98-01-1 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

CAS 100-42-5 : IARC Group 2A : The agent is probably carcinogenic to humans.

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

CAS 108-95-2 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

CAS 102-71-6 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

CAS 89-82-7 : IARC Group 2B : The agent is possibly carcinogenic to humans.

CAS 93-15-2 : IARC Group 2A : The agent is probably carcinogenic to humans.

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

CAS 97-54-1 : IARC Group 2B : The agent is possibly carcinogenic to humans.

CAS 91-64-5 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

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CAS 128-37-0 : 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 does not contain any substance evaluated as an endocrine disruptor with effects on human health.

**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****12.1.2. Mixtures**

No aquatic toxicity data available for the mixture.

**12.2. Persistence and degradability**

No data available.

**12.3. Bioaccumulative potential**

No data available.

**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 does not contain any substance evaluated as an endocrine disruptor with environmental effects.

**12.7. Other adverse effects**

No data available.

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

WGK 2 : 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**

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.

(1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone)

**14.3. Transport hazard class(es)**

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- 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 1/5 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 1/5 kg (IMDG 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	E1	

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								A197 A215		
	Not subject to this regulation if Q <= 5 1 / 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):(1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone)

**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 does not contain any substance restricted under Annex XVII of Regulation (EC) No. 1907/2006 (REACH): <https://echa.europa.eu/substances-restricted-under-reach>.

**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.

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

WGK 2 : Hazardous for water.

**Swiss ordinance on the incentive tax on volatile organic compounds :**

- 99-87-6 p-cymene
- 5989-54-8 l-limonene ((S)-p-mentha-1,8-dien)
- 138-86-3 dl-limonene ((RS)-p-mentha-1,8-dien)
- 141-78-6 ethyl acetate
- 100-51-6 benzyl alcohol (phenylmethanol)
- 5989-27-5 d-limonene ((R)-p-mentha-1,8-dien)

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99-87-6 p-cymene  
95-63-6 1,2,4-trimethylbenzene  
138-86-3 dl-limonene ((RS)-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 :**

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H341	Suspected of causing genetic defects .
H351	Suspected of causing cancer .
H361	Suspected of damaging fertility or the unborn child .
H372	Causes damage to organs through prolonged or repeated exposure .
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.
EUH066	Repeated exposure may cause skin dryness or cracking.

**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.  
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.

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GHS07 : Exclamation mark

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.

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.