

CMP 89 - Mauritian Bleu - PC-1321SS

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: CMP 89 - Mauritian Bleu - PC-1321SS

Product code : FO 66427

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.

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).

Carcinogenicity, Category 2 (Care. 2, H351).

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

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

2.2. Label elements**In compliance with EC regulation No. 1272/2008 and its amendments.**

Hazard pictograms :



GHS09



GHS08



GHS07

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
601-096-00-2	(R)-P-MENTHA-1,8-DIENE
EC 243-384-7	CEDROL METHYL ETHER
EC 204-116-4	LINALYL
EC 251-020-3	ACETAL CEDRENE
603-235-00-2	LINALOOL

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EC 201-328-9	MUSK KETONE
EC 203-354-6	OMEGA-PENTADECALACTONE
EC 214-881-6	ALPHA-METHYL-1,3-BENZODIOXOLE-5-PROPIONALDEHYDE
EC 203-375-0	DL-CITRONELLOL
EC 204-872-5	BETA-PINENE
EC 225-193-0	METHYL ATRARATE
EC 201-291-9	ALPHA-PINENE
EC 228-408-6	HEXYL SALICYLATE
605-019-00-3	CITRAL
EC 202-086-7	COUMARIN
EC 202-792-5	ALPHA-PHELLANDRENE
EC 229-695-0	P-ISOBUTYL-ALPHA-METHYL HYDROCINNAMALDEHYDE
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.
H351	Suspected of causing cancer .
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 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.

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	GHS07, GHS09 Wng SkinIrrit. 2,H315		8 \leq x% < 11

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I-(1,2,3,4,5,6,7,8-OCTAHYDRO-2,3,8,8-TETRAMETHYL-2-NAPHTHALENYL)ETHANONE	Skin Sens. 1B.H317 Aquatic Chronic 1, H410 M Chronic = 1		
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 SkinIrrit. 2, H315 Skin Sens. 1B.H317 Asp. Tox. 1, H304 Aquatic Chronic 3, H412 Aquatic Acute 1, H400 M Acute = 1		5 <= x% < 8
CAS: 18479-58-8 EC: 242-362-4 REACH: 01-2119457274-37-0008 DIHYDROMYRCENOL	GHS07 Wng SkinIrrit. 2, H315 EyeIrrit. 2.H319 STOT SE 3, H336		5 <= x% < 8
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		2.5<=x%<5
CAS: 34902-57-3 EC: 422-320-3 REACH: 01-0000016883-62-XXXX OXACYCLOHEXADECEN-2-ONE	GHS09 Wng Aquatic Chronic 2, H411 Aquatic Acute 1, H400 M Acute = 1		2.5<=x%<5
CAS: 115-95-7 EC: 204-116-4 REACH: 01-2119454789-19-0001 LINALYL ACETATE	GHS07 Wng SkinIrrit. 2, H315 Skin Sens. 1B.H317 EyeIrrit. 2.H319		2.5<=x%<5
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		2.5<=x%<5
INDEX: 603-235-00-2 CAS: 78-70-6 EC: 201-134-4 REACH: 01-2119474016-42-0000 LINALOOL	GHS07 Wng Skin Sens. 1B.H317		2.5<=x%<5
CAS: 81-14-1 EC: 201-328-9 REACH: 01-2120766629-37-XXXX MUSK KETONE	GHS08, GHS09 Wng Care. 2.H351 Aquatic Acute 1, H400 M Acute = 1 Aquatic Chronic 1, H410 M Chronic = 1	[n]	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		1 <=x%<2.5

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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 EyeIrrit. 2.H319		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		1 <=x%<2.5
CAS: 1205-17-0 EC: 214-881-6 REACH: 01-2120740119-58-XXXX ALPHA-METHYL-1.3-BENZODIOXOLE-5-PROPIONALDEHYDE	GHS07, GHS08, GHS09 Wng Skin Sens. 1B.H317 Repr. 2.H361 Aquatic Chronic 2, H411	[n]	1 <=x%<2.5
CAS: 106-22-9 EC: 203-375-0 REACH: 01-2119453995-23-XXXX DL-CITRONELLOL	GHS07 Wng SkinIrrit. 2, H315 Skin Sens. 1B.H317 EyeIrrit. 2.H319		0.1 <=x%< 1
CAS: 127-91-3 EC: 204-872-5 REACH: 01-2119519230-54-XXXX BETA-PINENE	GHS02, GHS07, GHS08, GHS09 Dgr Flam. Liq. 3, H226 Asp. Tox. 1, H304 SkinIrrit. 2, H315 Skin Sens. 1B.H317 Aquatic Acute 1, H400 M Acute = 1 Aquatic Chronic 1, H410 M Chronic = 1		0.1 <=x%< 1
CAS: 99-85-4 EC: 202-794-6 REACH: 01-2120780478-40-XXXX P-MENTHA-1,4-DIENE	GHS02, GHS08, GHS09 Dgr Flam. Liq. 3, H226 Asp. Tox. 1, H304 Repr. 2.H361 Aquatic Chronic 2, H411	[n]	0.1 <=x%< 1
CAS: 67634-00-8 EC: 266-803-5 REACH: 01-2120795456-39-0000 ALLYL (3-METHYLBUTOXY)ACETATE	GHS07, GHS06 Dgr Acute Tox. 4, H302 SkinIrrit. 2, H315 Acute Tox. 2, H330		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: 80-56-8 EC: 201-291-9 REACH: 01-2119519223-49-XXXX ALPHA-PINENE	GHS02, GHS07, GHS08, GHS09 Dgr Flam. Liq. 3, H226 Acute Tox. 4, H302 Asp. Tox. 1, H304 SkinIrrit. 2, H315 Skin Sens. 1B.H317 Aquatic Acute 1, H400 M Acute = 1 Aquatic Chronic 1, H410 M Chronic = 1		0.1 <=x%< 1
CAS: 6259-76-3 EC: 228-408-6	GHS07, GHS08 Wng	[n]	0.1 <=x%< 1

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REACH: 01-2119638275-36-XXXX HEXYL SALICYLATE	Skin Sens. 1B.H317 Repr. 2,H361d		
INDEX: 605-019-00-3 CAS: 5392-40-5 EC: 226-394-6 REACH: 01-2119462829-23-0002 CITRAL	GHS07 Wng Skin Irrit. 2, H315 Skin Sens. 1.H317		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: 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: 123-35-3 EC: 204-622-5 REACH: 01-2119514321-56-XXXX MYRCENE	GHS02, GHS07, GHS08, GHS09 Dgr Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Irrit. 2, H315 Eye Irrit. 2.H319 Aquatic Chronic 2, H411 Aquatic Acute 1, H400 M Acute = 1		0.1 <—x % < 1
CAS: 6658-48-6 EC: 229-695-0 REACH: 01-2120770116-58-0000 P-ISOBUTYL-ALPHA-METHYL HYDROCINNAMALDEHYDE	GHS07 Wng Skin Irrit. 2, H315 Skin Sens. 1B.H317		0.1 <—x % < 1
INDEX: 603-150-00-0 CAS: 107898-54-4 EC: 411-580-3 REACH: 01-0000000316-81-XXXX (±) TRANS-3,3-DIMETHYL-5-(2,2,3-TRIMETHYL- CYCLOPENT-3-EN-1-YL)-PENT-4-EN-2-OL	GHS07, GHS09 Wng Skin Irrit. 2, H315 Aquatic Acute 1, H400 M Acute = 1 Aquatic Chronic 1, H410 M Chronic = 1		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 % < 0.0015
INDEX: 607-022-00-5 CAS: 141-78-6 EC: 205-500-4 REACH: 01-2119475103-46-XXXX ETHYL ACETATE	GHS02, GHS07 Dgr Flam. Liq. 2, H225 Eye Irrit. 2,H319 STOT SE 3, H336 EUH066	[1]	0 < x % < 0.001
CAS: 76-22-2 EC: 200-945-0	GHS02, GHS05, GHS07, GHS08, GHS09	[1]	0 < x % < 0.0005

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REACH: 01-2119966156-31-XXXX 1,7,7-TRIMETHYLBIC YCLO[2.2.1]HEPTAN-2-ONE	Dgr 228 Acute Tox. 4, H302 Skinlrit. 2, H315 Eye Dani. 1, H318 Acute Tox. 4, H332 STOT SE 2, H371 Aquatic Chronic 2, H411		
INDEX: 601-021-00-3 CAS: 108-88-3 EC: 203-625-9 REACH: 01-2119471310-51-XXXX TOLUENE	GHS02, GHS08, GHS07 Dgr Flam. Liq. 2, H225 Repr. 2, H361d Asp. Tox. 1, H304 STOT RE 2, H373 Skinlrit. 2, H315 STOT SE 3, H336	[i] [n]	0 < x % < 0.0005
INDEX: 603-001-00-X CAS: 67-56-1 EC: 200-659-6 METHANOL	GHS02, GHS06, GHS08 Dgr Flam. Liq. 2, H225 Acute Tox. 3, H331 Acute Tox. 3, H311 Acute Tox. 3, H301 STOT SE 1, H370	[i]	0 < x % < 0.0005

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: 32388-55-9 EC: 251-020-3 REACH: 01-2119969651-28-XXXX ACETYL CEDRENE		oral: ATE = 4500 mg/kg BW
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: 1205-17-0 EC: 214-881-6 REACH: 01-2120740119-58-XXXX ALPHA-METHYL-1,3-BENZODIOXOLE-5-PROPIONALDEHYDE		oral: ATE = 3562 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: 99-85-4 EC: 202-794-6 REACH: 01-2120780478-40-XXXX P-MENTHA-1,4-DIENE		oral: ATE = 3650 mg/kg BW
CAS: 67634-00-8 EC: 266-803-5 REACH: 01-2120795456-39-0000 ALLYL (3-METHYLBUTOXY)ACETATE		inhalation: ATE = 0.46 mg/14h (dust/mist) oral: ATE = 500 mg/kg BW
CAS: 97-54-1 EC: 202-590-7 REACH: 01-2120223682-61-XXXX	Skin Sens. 1A: H317 C>= 0.01%	dermal: ATE = 1912 mg/kg BW oral: ATE = 1500 mg/kg BW

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ISOEUGENOL		
CAS: 76-22-2 EC: 200-945-0 REACH: 01-2119966156-31-XXXX 1,7,7-TRIMETHYLBIC YCLO[2.2.1]HEPTAN-2-ONE		oral: ATE = 1500 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.

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.
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

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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

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.

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-nig/ni3	VME-ppm:	VLE-nig/ni3 :	VLE-ppm :	Notes :
141-78-6	734	200	1468	400	-
108-88-3	192	50	384	100	Peau
67-56-1	260	200	-	-	Peau

-UK:

CAS	TWA:	STEL :	Ceiling :	Definition:	Criteria
141-78-6	200 ppm 734 nig/ni3	400 ppm 1468 nig/ni3			
76-22-2	2 ppm 13 mg/ m3	3 ppm 19 mg/ m3			
108-88-3	50 ppm 191 nig/ni3	100 ppm 384 nig/ni3		Sk	
67-56-1	200 ppm 266 nig/ni3	250 ppm 333 nig/ni3		Sk	

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

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

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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.

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: FRESH SPICY 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

Flammability (solid, gas): Not stated.

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

Flash point

Flash Point Interval: 60°C < FP <= 93°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

Density : 0.9563/0.9763@20°C
 Method for determining the density :

OECD Guideline 109

Relative vapour density

Vapour density : Not stated.

Particle characteristics

The mixture does not contain nanofoms.

9.2. Other information

Index of refraction: 1.4620/1,4720@20°C
 Method of determining the refractive index

NF ISO 280:1999 (T75-112)

% VOC : 0.6832

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**

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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/fonn :

- 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 :**

1,7,7-TRIMETHYLBICYCLO[2.2.1]HEPTAN-2-ONE (CAS: 76-22-2)

Oral route :

ISOEUGENOL (CAS: 97-54-1)

Oral route :

Dermal route :

ALLYL (3-METHYLBUTOXY)ACETATE (CAS: 67634-00-8)

Oral route :

Inhalation route (Dusts/mist):

P-MENTHA-1yl-DIENE (CAS: 99-85-4)

Oral route :

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

Oral route :

Dermal route :

ALPHA-METHYL-1,3-BENZODIOXOLE-5-PROPIONALDEHYDE (CAS: 1205-17-0)

Oral route :

CIS-2-1ERT-BUTYLCYCLOHEXYL ACETATE (CAS: 20298-69-5)

Oral route :

ACETYL CEDRENE (CAS: 32388-55-9)

Oral route :

DIHYDROMYRCENOL (CAS: 18479-58-8)

Oral route :

LD50 = 1500 mg/kg body weight

LD50 = 1500 mg/kg body weight

LD50 = 1912 mg/kg body weight

LD50 = 500 mg/kg body weight

LC50 = 0.46 mg/l

Duration of exposure : 4 h

LD50 = 3650 mg/kg body weight

LD50 = 3450 mg/kg body weight

LD50 = 2650 mg/kg body weight

LD50 = 3562 mg/kg body weight

LD50 = 4600 mg/kg body weight

LD50 = 4500 mg/kg body weight

b) Skin corrosion/skin irritation :

No data available.

LD50 = 3020 mg/kg body weight

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 irreversible 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 :

Suspected human carcinogen.

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 108-88-3 : 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 97-53-0 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

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

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

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

CAS 94-59-7 : IARC Group 2B : The agent is possibly carcinogenic to humans.

CAS 123-35-3 : 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.

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

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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 2023 - IMDG 2022 [41-22] - ICAO/IATA 2024 [65]).

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-tetrahydro-1,2-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	Pro vis.	EQ	Cat.	Tunnel
	9	M6	III	9	90	5L	274 335 375 601	EI	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	Pro vis.	EQ	Stowaj Handli	°Q +	>n
	9	-	III	5L	F-A. S-F	274 335 969	EI	Catego A	7	
	Not subject to this regulation if Q ≤ 5 l/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	EI	
	9	-	III	Y964	30 kg G	-	-	A97 A158	EI	

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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-tetrahydro-1,2-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. 2024/2564. (ATP 22)

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-hst>.

Substances that deplete the ozone layer (EC Regulation No. 1005/2009, Montreal Protocol):

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-diene)
- 5989-27-5 D-limonene ([R]-p-mentha-1,8-diene)
- 138-86-3 DL-limonene ([RS]-p-mentha-1,8-diene)
- 141-78-6 acetate d'ethyle
- 100- 51-6 Alcool benzylique

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67-56-1 methanol (alcool methylique)
 5989-27-5 D-linonene ([R]-p-mentha-1,8-diene)
 99-87-6 p-cymene
 108-88-3 toluene

15.2. Chemical safety assessment

No data available.

SECTION 16 : OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Wording of the phrases mentioned in section 3 :

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H228	Flammable solid.
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.
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.
H351	Suspected of causing cancer .
H361	Suspected of damaging fertility or the unborn child .
H361d	Suspected of damaging the unborn child.
H370	Causes damage to organs .
H371	May cause damage to organs .
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.

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

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TWA : Time Weighted Averages

TLV : Threshold Limit Value (exposure)

AEV : Average Exposure Value.

ADR : European 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.

POP: Persistent Organic Pollutant.

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

SVHC : Substances of very high concern.

vPvB : Very persistent, very bioaccumulable.

WGK : Wassergefährdungsklasse (Water Hazard Class).