



Safety Data Sheet dated 13/3/2024, version 1

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

1.1. Product identifier

Mixture identification:

Trade name:

COCO DE MER OUD

Trade code:

PFD0001213

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

Recommended uses:

Compound for Perfume

Uses advised against:

All those not listed in recommended uses

1.3. Details of the supplier of the safety data sheet

Company:

Creasens S.r.l. - Via Maggiate 22 - 28013 Gattico-Veruno (NO) - Italy

Tel. +39.0322.83.16.81

Competent person responsible for the safety data sheet: (regulatory@creasens.it)

1.4. Emergency telephone number

+39.0322.831681 (Mon-Fri 08.30-12.30/13.30-17.30). Performs a first technical support.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP):

⚠ Warning, Skin Irrit. 2, Causes skin irritation.

⚠ Warning, Eye Irrit. 2, Causes serious eye irritation.

⚠ Warning, Skin Sens. 1B, May cause an allergic skin reaction.

⚠ Aquatic Chronic 2, Toxic to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:



Warning

Hazard statements:

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements:

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

P264 Wash ... Thoroughly after handling.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/...

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

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P391 Collect spillage.

Special Provisions:

None

Contains

Benzyl salicylate

Reaction mass of 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,4,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one: May produce an allergic reaction.

Cedarwood oil, Virginia: May produce an allergic reaction.

Tetrahydrolinalol: May produce an allergic reaction.

7- hydroxycitronellal: May produce an allergic reaction.

3,7-dimethylocta-(E)-2,6-dien-1-ol: May produce an allergic reaction.

3,7-Dimethyl-6-octen-1-ol: May produce an allergic reaction.

3-Methylcyclopentadecenone: May produce an allergic reaction.

NORLIMBANOL : May produce an allergic reaction.

(R)-p-mentha-1,8-diene; d-limonene: May produce an allergic reaction.

cis-3,7-Dimethyl-2,6-octadien-1-ol: May produce an allergic reaction.

(Ethoxymethoxy)cyclododecane: May produce an allergic reaction.

CASHMERAN INDOMUSCONE : May produce an allergic reaction.

CEDROL METHYL ETHER: May produce an allergic reaction.

TIMBEROL: May produce an allergic reaction.

3-p-Cumenyl-2-methylpropionaldehyde: May produce an allergic reaction.

AMYRIS ESSENZA : May produce an allergic reaction.

Linalyl acetate: May produce an allergic reaction.

Dipterocarpus Turbinatus Balsam Oil: May produce an allergic reaction.

RESINOIDE BENZOINO SUMATRA : May produce an allergic reaction.

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

2.3. Other hazards

No PBT, vPvB or endocrine disruptor substances present in concentration $\geq 0.1\%$

Other Hazards:

No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

N.A.

3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name	Ident. Number	Classification
$\geq 7\%$ - $< 10\%$	1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran; galaxolide; (HHCB)	Index number: 603-212-00-7 CAS: 1222-05-5 EC: 214-946-9 REACH No.: 01-2119488227-29	<div> <div></div> <div>4.1/A1 Aquatic Acute 1 H400</div> </div> <div> <div></div> <div>4.1/C1 Aquatic Chronic 1 H410</div> </div> <div>M=1.</div>

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>= 7% - < 10%	Reaction mass of 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,4,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	CAS: 54464-57-2 EC: 915-730-3 REACH No.: 01-2119489989-04	<div> <div></div> <div>3.2/2 Skin Irrit. 2 H315</div> </div> <div> <div></div> <div>3.4.2/1 Skin Sens. 1 H317</div> </div> <div> <div></div> <div>4.1/C2 Aquatic Chronic 2 H411</div> </div>
>= 3% - < 5%	Tricyclodecane-4,8-dimethanol	CAS: 26896-48-0 EC: 248-096-5 REACH No.: 01-2119615403-50	<div> <div></div> <div>3.3/2 Eye Irrit. 2 H319</div> </div>
>= 3% - < 5%	Benzyl salicylate	CAS: 118-58-1 EC: 204-262-9 REACH No.: 01-2119969442-31	<div> <div></div> <div>3.4.2/1B Skin Sens. 1B H317</div> </div> <div> <div></div> <div>3.3/2 Eye Irrit. 2 H319</div> </div> <div> <div></div> <div>4.1/C3 Aquatic Chronic 3 H412</div> </div>
>= 1% - < 3%	Tetrahydro-2-isobutyl-4-methylpyran-4-ol, mixed isomers (cis and trans)	Index number: 603-101-00-3 CAS: 63500-71-0 EC: 405-040-6 REACH No.: 01-0000015458-64	<div> <div></div> <div>3.3/2 Eye Irrit. 2 H319</div> </div>
>= 1% - < 3%	Cedarwood oil, Virginia	CAS: 8000-27-9 EC: 285-370-3 REACH No.: 01-2120744063-63	<div> <div></div> <div>3.10/1 Asp. Tox. 1 H304</div> </div> <div> <div></div> <div>3.2/2 Skin Irrit. 2 H315</div> </div> <div> <div></div> <div>3.4.2/1 Skin Sens. 1 H317</div> </div> <div> <div></div> <div>4.1/A1 Aquatic Acute 1 H400</div> </div> <div> <div></div> <div>4.1/C1 Aquatic Chronic 1 H410</div> </div>
>= 1% - < 3%	Tetrahydrolinalol	CAS: 78-69-3 EC: 201-133-9 REACH No.: 01-2119454788-21	<div> <div></div> <div>3.2/2 Skin Irrit. 2 H315</div> </div> <div> <div></div> <div>3.4.2/1B Skin Sens. 1B H317</div> </div> <div> <div></div> <div>3.3/2 Eye Irrit. 2 H319</div> </div>
>= 0.5% - < 1%	7- hydroxycitronellal	CAS: 107-75-5 EC: 203-518-7 REACH No.: 01-2119973482-31	<div> <div></div> <div>3.4.2/1B Skin Sens. 1B H317</div> </div> <div> <div></div> <div>3.3/2 Eye Irrit. 2 H319</div> </div>
>= 0.5% - < 1%	3,7-dimethylocta-(E)-2,6-dien-1-ol	CAS: 106-24-1 EC: 203-377-1 REACH No.: 01-2119552430-49	<div> <div></div> <div>3.4.2/1 Skin Sens. 1 H317</div> </div> <div> <div></div> <div>3.3/1 Eye Dam. 1 H318</div> </div> <div> <div></div> <div>3.2/2 Skin Irrit. 2 H315</div> </div>

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>= 0.5% - < 1%	3,7-Dimethyl-6-octen-1-ol	CAS: 106-22-9 EC: 203-375-0 REACH No.: 01-2119453995-23	<div> <div></div> <div>3.2/2 Skin Irrit. 2 H315</div> </div> <div> <div></div> <div>3.4.2/1B Skin Sens. 1B H317</div> </div> <div> <div></div> <div>3.3/2 Eye Irrit. 2 H319</div> </div>
>= 0.5% - < 1%	3-Methylcyclopentadecanone	CAS: 82356-51-2 EC: 429-900-5 REACH No.: 01-0000017618-62	<div> <div></div> <div>3.4.2/1B Skin Sens. 1B H317</div> </div> <div> <div></div> <div>4.1/A1 Aquatic Acute 1 H400</div> </div> <div> <div></div> <div>4.1/C1 Aquatic Chronic 1 H410</div> </div>
>= 0.5% - < 1%	NORLIMBANOL	CAS: 70788-30-6 EC: 274-892-7 REACH No.: 01-2120085416-52	<div> <div></div> <div>3.4.2/1B Skin Sens. 1B H317</div> </div>
>= 0.5% - < 1%	(R)-p-mentha-1,8-diene; d-limonene	Index number: 601-096-00-2 CAS: 5989-27-5 EC: 227-813-5 REACH No.: 01-2119529223-47	<div> <div></div> <div>2.6/3 Flam. Liq. 3 H226</div> </div> <div> <div></div> <div>3.2/2 Skin Irrit. 2 H315</div> </div> <div> <div></div> <div>3.4.2/1B Skin Sens. 1B H317</div> </div> <div> <div></div> <div>3.10/1 Asp. Tox. 1 H304</div> </div> <div> <div></div> <div>4.1/A1 Aquatic Acute 1 H400</div> </div> <div> <div></div> <div>M=1.</div> </div> <div> <div></div> <div>4.1/C3 Aquatic Chronic 3 H412</div> </div>
>= 0.25% - < 0.5%	cis-3,7-Dimethyl-2,6-octadien-1-ol	CAS: 106-25-2 EC: 203-378-7 REACH No.: 01-2120051521-69	<div> <div></div> <div>3.2/2 Skin Irrit. 2 H315</div> </div> <div> <div></div> <div>3.3/1 Eye Dam. 1 H318</div> </div> <div> <div></div> <div>3.4.2/1B Skin Sens. 1B H317</div> </div>
>= 0.25% - < 0.5%	1-(5,6,7,8-tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthyl)ethan-1-one	CAS: 1506-02-1 EC: 216-133-4 REACH No.: 01-2119539433-40	<div> <div></div> <div>3.1/4/Oral Acute Tox. 4 H302</div> </div> <div> <div></div> <div>4.1/A1 Aquatic Acute 1 H400</div> </div> <div> <div></div> <div>4.1/C1 Aquatic Chronic 1 H410</div> </div>
>= 0.25% - < 0.5%	(Ethoxymethoxy) cyclododecane	CAS: 58567-11-6 EC: 261-332-1 REACH No.: 01-2119971571-34	<div> <div></div> <div>3.2/2 Skin Irrit. 2 H315</div> </div> <div> <div></div> <div>3.4.2/1 Skin Sens. 1 H317</div> </div> <div> <div></div> <div>4.1/C2 Aquatic Chronic 2 H411</div> </div>
>= 0.25% - < 0.5%	CASHMERAN INDOMUSCONE	CAS: 33704-61-9 EC: 251-649-3 REACH No.: 01-2119977131-40	<div> <div></div> <div>3.2/2 Skin Irrit. 2 H315</div> </div> <div> <div></div> <div>4.1/C2 Aquatic Chronic 2 H411</div> </div> <div> <div></div> <div>3.3/2 Eye Irrit. 2 H319</div> </div> <div> <div></div> <div>3.4.2/1 Skin Sens. 1 H317</div> </div>
>= 0.25% - < 0.5%	CEDROL METHYL ETHER	CAS: 19870-74-7 EC: 267-510-5 REACH No.: 01-2120228335-61	<div> <div></div> <div>3.4.2/1B Skin Sens. 1B H317</div> </div> <div> <div></div> <div>4.1/A1 Aquatic Acute 1 H400</div> </div> <div> <div></div> <div>4.1/C1 Aquatic Chronic 1 H410</div> </div>

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>= 0.1% - < 0.25%	TIMBEROL	CAS: REACH No.:	70788-30-6 01- 2120768938 -30	⚠ 3.4.2/1B Skin Sens. 1B H317 ⚠ 4.1/C1 Aquatic Chronic 1 H410
>= 0.1% - < 0.25%	3-p-Cumenyl-2-methylpropionaldehyde	CAS: EC: REACH No.:	103-95-7 203-161-7 01- 2119970582 -32	⚠ 3.2/2 Skin Irrit. 2 H315 ⚠ 3.4.2/1B Skin Sens. 1B H317 ⚠ 4.1/C3 Aquatic Chronic 3 H412
>= 0.1% - < 0.25%	AMYRIS ESSENZA	CAS:	8015-65-4	⚠ 3.2/2 Skin Irrit. 2 H315 ⚠ 3.4.2/1B Skin Sens. 1B H317 ⚠ 4.1/C2 Aquatic Chronic 2 H411
>= 0.1% - < 0.25%	Linalyl acetate	CAS: EC: REACH No.:	115-95-7 204-116-4 01- 2119454789 -19	⚠ 3.2/2 Skin Irrit. 2 H315 ⚠ 3.4.2/1B Skin Sens. 1B H317 ⚠ 3.3/2 Eye Irrit. 2 H319
>= 0.1% - < 0.25%	Dipterocarpus Turbinatus Balsam Oil	CAS: EC:	8030-55-5 232-444-8	⚠ 3.10/1 Asp. Tox. 1 H304 ⚠ 3.4.2/1B Skin Sens. 1B H317 ⚠ 4.1/A1 Aquatic Acute 1 H400 ⚠ 4.1/C1 Aquatic Chronic 1 H410
>= 0.1% - < 0.25%	RESINOIDE BENZOINO SUMATRA	CAS: EC:	9000-05-9 232-523-7	⚠ 3.2/2 Skin Irrit. 2 H315 ⚠ 3.3/2 Eye Irrit. 2 H319 ⚠ 3.4.2/1 Skin Sens. 1 H317 ⚠ 4.1/C3 Aquatic Chronic 3 H412
18 ppm	isopentyl acetate	Index number: CAS: EC: REACH No.:	607-130-00-2 123-92-2 204-662-3 01- 2119548408 -32	⚠ 2.6/3 Flam. Liq. 3 H226 EUH066
471 ppb	Ethyl acetate	CAS: EC: REACH No.:	141-78-6 205-500-4 01- 2119475103 -46	⚠ 2.6/2 Flam. Liq. 2 H225 ⚠ 3.8/3 STOT SE 3 H336 ⚠ 3.3/2 Eye Irrit. 2 H319 EUH066
360 ppb	4-methylphenol	CAS: EC:	106-44-5 203-398-6	⚠ 3.1/3/Oral Acute Tox. 3 H301 ⚠ 3.2/1C Skin Corr. 1C H314 ⚠ 3.1/3/Dermal Acute Tox. 3 H311

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

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Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose off safely.

After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

None

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

None

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO₂).

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

6.3. Methods and material for containment and cleaning up

Wash with plenty of water.

6.4. Reference to other sections

See also section 8 and 13

SECTION 7: Handling and storage

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7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

See also section 8 for recommended protective equipment.

Advice on general occupational hygiene:

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

7.2. Conditions for safe storage, including any incompatibilities

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

7.3. Specific end use(s)

None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

isopentyl acetate - CAS: 123-92-2

EU - TWA(8h): 270 mg/m³, 50 ppm - STEL: 540 mg/m³, 100 ppm

ACGIH - TWA(8h): 50 ppm - STEL: 100 ppm - Notes: URT irr

Ethyl acetate - CAS: 141-78-6

ACGIH - TWA(8h): 400 ppm - Notes: URT and eye irr

EU - TWA(8h): 734 mg/m³, 200 ppm - STEL: 1468 mg/m³, 400 ppm

4-methylphenol - CAS: 106-44-5

EU - TWA(8h): 22 mg/m³, 5 ppm

ACGIH - TWA(8h): 20 mg/m³ - Notes: (IFV), Skin, A4 - URT irr

DNEL Exposure Limit Values

N.A.

PNEC Exposure Limit Values

N.A.

8.2. Exposure controls

Eye protection:

Use close fitting safety goggles, don't use eye lens.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:

Not needed for normal use.

Thermal Hazards:

None

Environmental exposure controls:

None

Appropriate engineering controls:

None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

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Properties	Value	Method:	Notes:
Physical state:	Liquid	--	--
Colour:	N.A.	--	--
Odour:	Characteristic	--	--
Melting point/freezing point:	N.A.	--	--
Boiling point or initial boiling point and boiling range:	N.A.	--	--
Flammability:	N.A.	--	--
Lower and upper explosion limit:	N.A.	--	--
Flash point:	> 65 °C	--	--
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	N.A.	--	--
pH:	N.A.	--	--
Kinematic viscosity:	<= 14 mm ² /sec (40 °C)	--	--
Solubility in water:	N.A.	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient n-octanol/water (log value):	N.A.	--	--
Vapour pressure:	N.A.	--	--
Density and/or relative density:	1.0050 - 1.0150	--	--
Relative vapour density:	N.A.	--	--
Particle characteristics:			
Particle size:	N.A.	--	--

9.2. Other information
No other relevant information

SECTION 10: Stability and reactivity

10.1. Reactivity

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- Stable under normal conditions
- 10.2. Chemical stability
Stable under normal conditions
- 10.3. Possibility of hazardous reactions
None
- 10.4. Conditions to avoid
Stable under normal conditions.
- 10.5. Incompatible materials
None in particular.
- 10.6. Hazardous decomposition products
None.

SECTION 11: Toxicological information

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

Toxicological information of the product:

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- a) acute toxicity
Not classified
Based on available data, the classification criteria are not met
- b) skin corrosion/irritation
The product is classified: Skin Irrit. 2 H315
- c) serious eye damage/irritation
The product is classified: Eye Irrit. 2 H319
- d) respiratory or skin sensitisation
The product is classified: Skin Sens. 1B H317
- e) germ cell mutagenicity
Not classified
Based on available data, the classification criteria are not met
- f) carcinogenicity
Not classified
Based on available data, the classification criteria are not met
- g) reproductive toxicity
Not classified
Based on available data, the classification criteria are not met
- h) STOT-single exposure
Not classified
Based on available data, the classification criteria are not met
- i) STOT-repeated exposure
Not classified
Based on available data, the classification criteria are not met
- j) aspiration hazard
Not classified
Based on available data, the classification criteria are not met

Toxicological information of the main substances found in the product:

Tricyclodecane-4,8-dimethanol - CAS: 26896-48-0

- a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat > 2250 mg/kg

Benzyl salicylate - CAS: 118-58-1

- a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat > 2200 mg/kg

Tetrahydro-2-isobutyl-4-methylpyran-4-ol, mixed isomers (cis and trans) - CAS: 63500-71-0

- a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg - Source: OECD 401
Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg - Source: OECD 402

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b) skin corrosion/irritation:

Test: Skin Irritant - Route: Skin Negative - Source: FHSA

Test: Eye Irritant - Route: EYES Positive - Source: FHSA

d) respiratory or skin sensitisation:

Test: Skin Sensitization - Route: Skin - Species: Porcellino Negative - Source: OECD 406

Test: HRIPT - Species: Human Negative - Source: OECD 471 - Notes: 8%

e) germ cell mutagenicity:

Test: Mutagenesis Negative - Source: OECD 471

Tetrahydrolinalol - CAS: 78-69-3

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 8270 mg/kg

7- hydroxycitronellal - CAS: 107-75-5

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 6400 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg

3,7-dimethylocta-(E)-2,6-dien-1-ol - CAS: 106-24-1

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 3600 mg/kg

3,7-Dimethyl-6-octen-1-ol - CAS: 106-22-9

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 3450 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 2650 mg/kg

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

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 2000 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 5000 mg/kg

cis-3,7-Dimethyl-2,6-octadien-1-ol - CAS: 106-25-2

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 4500 mg/kg

1-(5,6,7,8-tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthyl)ethan-1-one - CAS: 1506-02-1

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 964 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit = 7940 mg/kg

(Ethoxymethoxy)cyclododecane - CAS: 58567-11-6

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 5.000 mg/kg - Source: OECD TG 401

Test: LD50 - Route: Skin - Species: Rabbit > 5.000 mg/kg - Source: OECD TG 402

b) skin corrosion/irritation:

Test: Skin Irritant - Species: Rabbit Positive

Test: Eye Irritant - Species: Rabbit Negative

d) respiratory or skin sensitisation:

Test: Skin Sensitization - Species: Mouse Positive

e) germ cell mutagenicity:

Test: Mutagenesis Negative

CASHMERAN INDOMUSCONE - CAS: 33704-61-9

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 2901 mg/kg

CEDROL METHYL ETHER - CAS: 19870-74-7

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 5000 mg/kg

TIMBEROL - CAS: 70788-30-6

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 5.000 mg/kg

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Test: LD50 - Route: Skin - Species: Rabbit > 2.000 mg/kg
 3-p-Cumenyl-2-methylpropionaldehyde - CAS: 103-95-7
 a) acute toxicity:
 Test: LD50 - Route: Oral - Species: Rat > 3810 mg/kg
 Linalyl acetate - CAS: 115-95-7
 a) acute toxicity:
 Test: LD50 - Route: Oral - Species: Rat > 9000 mg/kg
 Test: LD50 - Route: Skin - Species: Rabbit > 5000 mg/kg
 4-methylphenol - CAS: 106-44-5
 a) acute toxicity:
 Test: LD50 - Route: Oral - Species: Rat > 207 mg/kg
 Test: LD50 - Route: Skin - Species: Rabbit > 300 mg/kg
 3a,6,6,9a-tetramethyldodecahydronaphtho[2,1-b]furan - CAS: 6790-58-5
 Irritazione della pelle/coniglio: Non irritante
 Sensibilizzazione della pelle: non sensibilizzante al 5% in petrolatum (OECD 406)

11.2. Information on other hazards
 Endocrine disrupting properties:
 No endocrine disruptor substances present in concentration $\geq 0.1\%$

SECTION 12: Ecological information

12.1. Toxicity
 Adopt good working practices, so that the product is not released into the environment.
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 The product is classified: Aquatic Chronic 2 - H411
 Tetrahydro-2-isobutyl-4-methylpyran-4-ol, mixed isomers (cis and trans) - CAS: 63500-71-0
 a) Aquatic acute toxicity:
 Endpoint: LC50 - Species: Fish = 354 mg/l - Duration h: 96
 Endpoint: EC50 - Species: Daphnia = 803 mg/l - Duration h: 48
 Endpoint: EC50 - Species: Algae > 94 mg/l - Duration h: 72
 7-hydroxycitronellal - CAS: 107-75-5
 a) Aquatic acute toxicity:
 Endpoint: LC50 - Species: Fish = 31.6 mg/l - Duration h: 96
 Endpoint: EC50 - Species: Daphnia = 410 mg/l - Duration h: 48
 Endpoint: EC50 - Species: Algae = 123.32 mg/l - Duration h: 72
 (R)-p-mentha-1,8-diene; d-limonene - CAS: 5989-27-5
 a) Aquatic acute toxicity:
 Endpoint: EC50 - Species: Algae = 8 mg/l - Duration h: 72
 Endpoint: EC50 - Species: Daphnia = 0.36 mg/l - Duration h: 48
 Endpoint: LC50 - Species: Fish = 0.72 mg/l - Duration h: 96
 1-(5,6,7,8-tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthyl)ethan-1-one - CAS: 1506-02-1
 a) Aquatic acute toxicity:
 Endpoint: LC50 - Species: Fish = 0.314 mg/l
 Endpoint: LC50 - Species: Algae = 0.8 mg/l
 Endpoint: NOEC - Species: Algae = 0.4 mg/l
 Endpoint: EC50 - Species: Daphnia = 0.244 mg/l
 Endpoint: NOEC - Species: Daphnia = 0.196 mg/l
 Endpoint: EC91 - Species: OTHER = 0.8 mg/l
 b) Aquatic chronic toxicity:
 Endpoint: NOEC - Species: Fish = 0.089 mg/l
 Endpoint: NOEC - Species: OTHER = 0.4 mg/l
 (Ethoxymethoxy)cyclododecane - CAS: 58567-11-6
 a) Aquatic acute toxicity:
 Endpoint: LC50 - Species: Fish = 1.9 mg/l - Duration h: 96 - Notes: OECD Test Guideline

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Endpoint: EC50 - Species: Daphnia = 1.6 mg/l - Duration h: 48 - Notes: OECD Test Guideline 202
Endpoint: EC50 - Species: Algae = 53 mg/l - Duration h: 96 - Notes: DIN 38412 (part 9)
- g) Microorganisms toxicity:
Endpoint: NOEC - Species: FANGHI > 1000 mg/l - Duration h: 3 - Notes: Fango attivo, OECD 209
- CASHMERAN INDOMUSCONE - CAS: 33704-61-9
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish = 2.12 mg/l - Duration h: 96
- Linalyl acetate - CAS: 115-95-7
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish = 11 mg/l - Duration h: 96 - Notes: OECD 203
Endpoint: EC50 - Species: Daphnia = 15 mg/l - Duration h: 48 - Notes: OECD 202
Endpoint: EC50 - Species: Algae = 62 mg/l - Duration h: 72 - Notes: OECD 201
- 12.2. Persistence and degradability
None
N.A.
- 12.3. Bioaccumulative potential
N.A.
- 12.4. Mobility in soil
N.A.
- 12.5. Results of PBT and vPvB assessment
vPvB Substances: None - PBT Substances: None
- 12.6. Endocrine disrupting properties
No endocrine disruptor substances present in concentration $\geq 0.1\%$
- 12.7. Other adverse effects
None

SECTION 13: Disposal considerations

- 13.1. Waste treatment methods
Recover if possible. In so doing, comply with the local and national regulations currently in force.

SECTION 14: Transport information



- 14.1. UN number or ID number
ADR-UN Number: 3082
IATA-UN Number: 3082
IMDG-UN Number: 3082
- 14.2. UN proper shipping name
ADR-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
IATA-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
IMDG-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
- 14.3. Transport hazard class(es)
ADR-Class: 9
ADR - Hazard identification number: 90
IATA-Class: 9
IATA-Label: 9
IMDG-Class: 9

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- 14.4. Packing group
 ADR-Packing Group: III
 IATA-Packing group: III
 IMDG-Packing group: III
- 14.5. Environmental hazards
 ADR-Environmental Pollutant: Yes
 IMDG-Marine pollutant: Marine Pollutant
 Most important toxic component: 1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran; galaxolide; (HHCB)
 IMDG-EmS: F-A , S-F
- 14.6. Special precautions for user
 ADR-Subsidiary hazards: -
 ADR-S.P.: 274 335 375 601
 ADR-Transport category (Tunnel restriction code): 3 (-)
 IATA-Passenger Aircraft: 964
 IATA-Subsidiary hazards: -
 IATA-Cargo Aircraft: 964
 IATA-S.P.: A97 A158 A197 A215
 IATA-ERG: 9L
 IMDG-Subsidiary hazards: -
 IMDG-Stowage and handling: Category A
 IMDG-Segregation: -
- 14.7. Maritime transport in bulk according to IMO instruments
 N.A.

SECTION 15: Regulatory information

- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
 Dir. 98/24/EC (Risks related to chemical agents at work)
 Dir. 2000/39/EC (Occupational exposure limit values)
 Regulation (EC) n. 1907/2006 (REACH)
 Regulation (EC) n. 1272/2008 (CLP)
 Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
 Regulation (EU) n. 2020/878
 Regulation (EU) n. 286/2011 (ATP 2 CLP)
 Regulation (EU) n. 618/2012 (ATP 3 CLP)
 Regulation (EU) n. 487/2013 (ATP 4 CLP)
 Regulation (EU) n. 944/2013 (ATP 5 CLP)
 Regulation (EU) n. 605/2014 (ATP 6 CLP)
 Regulation (EU) n. 2015/1221 (ATP 7 CLP)
 Regulation (EU) n. 2016/918 (ATP 8 CLP)
 Regulation (EU) n. 2016/1179 (ATP 9 CLP)
 Regulation (EU) n. 2017/776 (ATP 10 CLP)
 Regulation (EU) n. 2018/669 (ATP 11 CLP)
 Regulation (EU) n. 2018/1480 (ATP 13 CLP)
 Regulation (EU) n. 2019/521 (ATP 12 CLP)
 Regulation (EU) n. 2020/217 (ATP 14 CLP)
 Regulation (EU) n. 2020/1182 (ATP 15 CLP)
 Regulation (EU) n. 2021/643 (ATP 16 CLP)
 Regulation (EU) n. 2021/849 (ATP 17 CLP)
 Regulation (EU) n. 2022/692 (ATP 18 CLP)
 Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:
 Restrictions related to the product:
 Restriction 3

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Restriction 40

Restrictions related to the substances contained:

Restriction 75

Where applicable, refer to the following regulatory provisions :

Directive 2012/18/EU (Seveso III)

Regulation (EC) nr 648/2004 (detergents).

Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):

N.A.

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

SECTION 16: Other information

Text of phrases referred to under heading 3:

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H411 Toxic to aquatic life with long lasting effects.

H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

H304 May be fatal if swallowed and enters airways.

H318 Causes serious eye damage.

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

EUH066 Repeated exposure may cause skin dryness or cracking.

H225 Highly flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

H301 Toxic if swallowed.

H314 Causes severe skin burns and eye damage.

H311 Toxic in contact with skin.

Hazard class and hazard category	Code	Description
Flam. Liq. 2	2.6/2	Flammable liquid, Category 2
Flam. Liq. 3	2.6/3	Flammable liquid, Category 3
Acute Tox. 3	3.1/3/Dermal	Acute toxicity (dermal), Category 3
Acute Tox. 3	3.1/3/Oral	Acute toxicity (oral), Category 3
Acute Tox. 4	3.1/4/Oral	Acute toxicity (oral), Category 4
Asp. Tox. 1	3.10/1	Aspiration hazard, Category 1
Skin Corr. 1C	3.2/1C	Skin corrosion, Category 1C
Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Dam. 1	3.3/1	Serious eye damage, Category 1
Eye Irrit. 2	3.3/2	Eye irritation, Category 2

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Skin Sens. 1	3.4.2/1	Skin Sensitisation, Category 1
Skin Sens. 1B	3.4.2/1B	Skin Sensitisation, Category 1B
STOT SE 3	3.8/3	Specific target organ toxicity - single exposure, Category 3
Aquatic Acute 1	4.1/A1	Acute aquatic hazard, category 1
Aquatic Chronic 1	4.1/C1	Chronic (long term) aquatic hazard, category 1
Aquatic Chronic 2	4.1/C2	Chronic (long term) aquatic hazard, category 2
Aquatic Chronic 3	4.1/C3	Chronic (long term) aquatic hazard, category 3

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Skin Irrit. 2, H315	Calculation method
Eye Irrit. 2, H319	Calculation method
Skin Sens. 1B, H317	Calculation method
Aquatic Chronic 2, H411	Calculation method

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre,
Commission of the European Communities
SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van
Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.

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IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
WGK:	German Water Hazard Class.