

Safety Data Sheet

According to Annex II to REACH - Regulation 2020/878 and to Annex II to UK REACH
This Safety Data Sheet cancels and replaces all preceding SDS for this product.

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

1.1. Product identifier

Code: CM1027
Product name: FR QUERCEA
Chemical name and synonym: Essence in hydro-alcoholic solution
UFI: MA50-A0UF-X00R-PN11

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

Intended use: Perfume for the environment

Identified Uses	Industrial	Professional	Consumer
Consumer use		✓	✓

Uses Advised Against

Not to be used as a personal perfume.

1.3. Details of the supplier of the safety data sheet

Name: CULTI MILANO SpA
Full address: Via dell'Aprica, 12
District and Country: 20158 Milano (MI)
Italy
Tel. +39 02/49784974
Fax +39 02/49789135

e-mail address of the competent person
responsible for the Safety Data Sheet

culti@culti.com

1.4. Emergency telephone number

For urgent inquiries refer to

CULTI MILANO SpA - Tel. +39 02/49784974 (Contact from Monday to Friday from 8.30 / 12.30 AM- 1.30 / 6.00 PM)

ITALIAN POISON CENTER

Ospedale Niguarda Cà Granda - Milano Tel. +39 02/66101029
CAV Centro Nazionale Informazione Tossicologica - Pavia Tel. +39 0382/24444
Centro Antiveleni Bergamo - +39 80011858 (CAV Ospedali Riuniti - Bergamo)
Centro Antiveleni Verona - +39 80011858 (Azienda Ospedaliera Integrata - Verona)
Centro Antiveleni Firenze - Tel. +39 055/7947819 (Azienda Ospedaliera 'Careggi' U.O. Tossicologia Medica-Firenze)
Centro Antiveleni Roma - Tel. +39 06/3054343 (CAV Policlinico Gemelli - Roma)
Centro Antiveleni Roma - Tel. +39 06/49978000 (CAV Policlinico Umberto I - Roma)
Centro Antiveleni Roma - Tel. +39 06/68593726 (CAV Osp. Pediatrico 'Bambino Gesù' DEA - Roma)
Centro Antiveleni Napoli - Tel. +39 081/7472870 (CAV Ospedale Cardarelli - Napoli)
Centro Antiveleni Foggia - Tel. +39 800183459 (CAV Az. Osp. Univ. Foggia - Foggia)

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation 2020/878.
Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

FR QUERCEA

Hazard classification and indication:

Flammable liquid, category 2

Eye irritation, category 2

Hazardous to the aquatic environment, chronic toxicity, category 3

H225

H319

H412

Highly flammable liquid and vapour.

Causes serious eye irritation.

Harmful to aquatic life with long lasting effects.

2.2. Label elements

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms:



Signal words:

Danger

Hazard statements:

H225**H319****H412****EUH208**

Highly flammable liquid and vapour.

Causes serious eye irritation.

Harmful to aquatic life with long lasting effects.

Contains: Acetyl cedrene, Linalool, (R)-P-MENTHA-1,8-DIENE, Linalyl acetate
May produce an allergic reaction.

Precautionary statements:

P501**P210****P280****P101****P370+P378****P102**

Dispose of contents / container to local rulements.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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

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

In case of fire: use chemical extinguisher to extinguish.

Keep out of reach of children.

PACK2 The packing must have tactile indications of danger for blind people.

2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage \geq than 0,1%.The product does not contain substances with endocrine disrupting properties in concentration \geq 0.1%.

SECTION 3. Composition/information on ingredients

3.2. Mixtures

Contains:

Identification

x = Conc. %

Classification (EC) 1272/2008 (CLP)

ETHANOL

CAS 64-17-5

 $86 \leq x < 90$

Flam. Liq. 2 H225, Eye Irrit. 2 H319

EC 200-578-6

INDEX 603-002-00-5

FR QUERCEA

REACH Reg. 01-2119457610-43-0000

DIPROPYLENE GLYCOL MONOMETHYL ETHER

CAS 34590-94-8

 $1,5 \leq x < 2$

Substance with a community workplace exposure limit.

EC 252-104-2

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REACH Reg. 01-2119450011-60

(R)-P-MENTHA-1,8-DIENE

CAS 5989-27-5

 $0,3 \leq x < 0,35$

Flam. Liq. 3 H226, Asp. Tox. 1 H304, Skin Irrit. 2 H315, Skin Sens. 1B H317, Aquatic Acute 1 H400 M=1, Aquatic Chronic 3 H412

EC 227-813-5

INDEX 601-096-00-2

REACH Reg. 01-2119529223-47

Linalyl acetate

CAS 115-95-7

 $0,3 \leq x < 0,35$

Eye Irrit. 2 H319, Skin Irrit. 2 H315, Skin Sens. 1B H317

EC 204-116-4

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REACH Reg. 01-2119983608-21-0000

Acetyl cedrene

CAS 32388-55-9

 $0,15 \leq x < 0,2$

Skin Sens. 1B H317, Aquatic Acute 1 H400 M=1, Aquatic Chronic 1 H410 M=1

EC 251-020-3

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REACH Reg. 01-2119969651-28-0000

Linalool

CAS 78-70-6

 $0,15 \leq x < 0,2$

Eye Irrit. 2 H319, Skin Irrit. 2 H315, Skin Sens. 1B H317

EC 201-134-4

INDEX 603-235-00-2

REACH Reg. 01-2119474016-42-0000

Isopentyl acetate

CAS 123-92-2

 $0,05 \leq x < 0,1$

Flam. Liq. 3 H226

EC 204-662-3

INDEX 607-130-00-2

REACH Reg. 01-2119548408-32

a-Cedrene

CAS 469-61-4

 $0,05 \leq x < 0,1$

Asp. Tox. 1 H304, Skin Irrit. 2 H315, Aquatic Acute 1 H400 M=1, Aquatic Chronic 1 H410 M=10

EC 207-418-4

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The full wording of hazard (H) phrases is given in section 16 of the sheet.

SECTION 4. First aid measures**4.1. Description of first aid measures**

No episodes of harm to the staff authorised to use the product have been reported. The following general measures should be adopted as necessary:

INHALATION: Remove to open air. If the subject stops breathing, administer artificial respiration. Get medical advice/attention.
INGESTION: Get medical advice/attention. Induce vomiting only if indicated by the doctor. Do not give anything by mouth to an unconscious person.
EYES and SKIN: Wash with plenty of water. In the event of persistent irritation, get medical advice/attention.

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

Specific information on symptoms and effects caused by the product are unknown.

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

Information not available.

SECTION 5. Firefighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT

Extinguishing substances are: carbon dioxide, foam, chemical powder. For product loss or leakage that has not caught fire, water spray can be used to disperse flammable vapours and protect those trying to stem the leak.

UNSUITABLE EXTINGUISHING EQUIPMENT

Do not use jets of water. Water is not effective for putting out fires but can be used to cool containers exposed to flames to prevent explosions.

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Excess pressure may form in containers exposed to fire at a risk of explosion. Do not breathe combustion products.

5.3. Advice for firefighters

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Block the leakage if there is no hazard.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

Send away individuals who are not suitably equipped. Use explosion-proof equipment. Eliminate all sources of ignition (cigarettes, flames, sparks, etc.) from the leakage site.

6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage

DIPROPYLENE GLYCOL MONOMETHYL ETHER**Threshold Limit Value**

Type	Country	TWA/8h		STEL/15min		Remarks / Observations
		mg/m3	ppm	mg/m3	ppm	
VLEP	FRA	308	50			SKIN
VLEP	ITA	308	50			SKIN
WEL	GBR	308	50			SKIN
OEL	EU	308	50			SKIN

Predicted no-effect concentration - PNEC

Normal value in fresh water	19	mg/l
Normal value in marine water	1,9	mg/l
Normal value for fresh water sediment	70,2	mg/kg
Normal value for marine water sediment	7,02	mg/kg
Normal value for water, intermittent release	190	mg/l
Normal value of STP microorganisms	4168	mg/l
Normal value for the terrestrial compartment	2,74	mg/kg

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers				Effects on workers			
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral			36 mg/kg bw/d					
Inhalation			37,2 mg/m3				308 mg/m3	
Skin			121 mg/kg bw/d				283 mg/kg bw/d	

Linalyl acetate**Predicted no-effect concentration - PNEC**

Normal value in fresh water	0,011	mg/l
Normal value in marine water	0,0011	mg/l
Normal value for fresh water sediment	0,609	mg/kg/d
Normal value for marine water sediment	0,0609	mg/kg/d
Normal value of STP microorganisms	1	mg/l
Normal value for the terrestrial compartment	0,115	mg/kg/d

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers				Effects on workers			
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				0,200 mg/kg bw/d				
Inhalation				0,680 mg/m3				2,75 mg/m3
Skin				1,25 mg/kg bw/d				2,5 mg/kg bw/d

Linalool**Predicted no-effect concentration - PNEC**

Normal value in fresh water	0,2	mg/l
Normal value in marine water	0,02	mg/l

Normal value for fresh water sediment	2,22	mg/kg/d
Normal value for marine water sediment	0,222	mg/kg/d
Normal value of STP microorganisms	10	mg/l
Normal value for the terrestrial compartment	0,327	mg/kg/d

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers				Effects on workers			
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				2,49 mg/kg bw/d				
Inhalation				4,33 mg/m3				24,58 mg/m3
Skin			1,5 mg/cm2	1,25 mg/kg bw/d				3,5 mg/kg bw/d

Acetyl cedrene

Predicted no-effect concentration - PNEC

Normal value in fresh water	0,00174	mg/l
Normal value in marine water	174	ng/L
Normal value for fresh water sediment	24,4	mg/kg/d
Normal value for marine water sediment	2,44	mg/kg/d
Normal value of STP microorganisms	10	mg/l
Normal value for the terrestrial compartment	4,87	mg/kg/d

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers				Effects on workers			
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				0,167 mg/kg bw/d				
Inhalation				0,290 mg/m3				1,17 mg/m3
Skin				0,167 mg/kg bw/d				0,333 mg/kg bw/d

Isopentyl acetate

Threshold Limit Value

Type	Country	TWA/8h	STEL/15min	Remarks / Observations
		mg/m3	ppm	mg/m3 ppm
OEL	EU	270	540	
TLV-ACGIH			50	100 URT irr

Legend:

(C) = CEILING; INHAL = Inhalable Fraction; RESP = Respirable Fraction; THORA = Thoracic Fraction.

VND = hazard identified but no DNEL/PNEC available; NEA = no exposure expected; NPI = no hazard identified.

8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

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HAND PROTECTION

Protect hands with category III work gloves (see standard EN 374).

The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

SKIN PROTECTION

Wear category I professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

Consider the appropriateness of providing antistatic clothing in the case of working environments in which there is a risk of explosion.

EYE PROTECTION

Wear airtight protective goggles (see standard EN 166).

RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type A filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

Product residues must not be indiscriminately disposed of with waste water or by dumping in waterways.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Information
Appearance	liquid	Concentration: 100 % Temperature: = 20 °C
Colour	yellow	Concentration: 100 % Temperature: = 20 °C
Odour	characteristic	Concentration: = 100 % Temperature: 20 °C
Odour threshold	Not applicable	
Melting point / freezing point	< 0 °C	Concentration: = 100 %
Initial boiling point	= 80 °C	Concentration: 100 %
Flammability	flammable liquid	Concentration: = 87 % Substance:ETHANOL
Lower explosive limit	3,5 % (v/v)	Concentration: = 87 % Substance:ETHANOL
Upper explosive limit	15 % (v/v)	Concentration: = 87 % Substance:ETHANOL
Flash point	< 23 °C	Concentration: 100 %
Auto-ignition temperature	= 430 °C	Concentration: = 87 % Substance:ETHANOL
pH	7	Concentration: 100 %

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Temperature: = 20 °C

Kinematic viscosity	Not available	
Solubility	partially soluble in water	Concentration: = 100 % Temperature: = 20 °C
Partition coefficient: n-octanol/water	-0,35	Substance:ETHANOL
Vapour pressure	59 hPa	Concentration: = 87 % Substance:ETHANOL
Density and/or relative density	0,82 - 0,84 g/cm ³	Concentration: 100 % Temperature: = 20 °C
Relative vapour density	Not available	
Particle characteristics	Not applicable	

9.2. Other information**9.2.1. Information with regard to physical hazard classes**

Information not available

9.2.2. Other safety characteristics

VOC (Directive 2010/75/EU)	87,16 % - 740,86 g/litre	Concentration: 100 %
VOC (volatile carbon)	45,46 % - 386,44 g/litre	Concentration: 100 %
Oxidising properties	not oxidising	Concentration: = 100 % Temperature: = 20 °C

SECTION 10. Stability and reactivity**10.1. Reactivity**

There are no particular risks of reaction with other substances in normal conditions of use.

DIPROPYLENE GLYCOL MONOMETHYL ETHER

Forms peroxides with: air.

10.2. Chemical stability

The product is stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions

The vapours may also form explosive mixtures with the air.

ETHANOL

Risk of explosion on contact with: alkaline metals,alkaline oxides,calcium hypochlorite,sulphur monofluoride,acetic anhydride,acids,concentrated hydrogen peroxide,perchlorates,perchloric acid,perchloronitrile,mercury nitrate,nitric acid,silver,silver nitrate,ammonia,silver oxide,ammonia,strong oxidising agents,nitrogen dioxide.May react dangerously with: bromoacetylene,chlorine acetylene,bromine trifluoride,chromium trioxide,chromyl chloride,fluorine,potassium tert-butoxide,lithium hydride,phosphorus trioxide,black platinum,zirconium (IV) chloride,zirconium (IV) iodide.Forms explosive mixtures with: air.

DIPROPYLENE GLYCOL MONOMETHYL ETHER

May react violently with: strong oxidising agents.

10.4. Conditions to avoid

Avoid overheating. Avoid bunching of electrostatic charges. Avoid all sources of ignition.

ETHANOL

Avoid exposure to: sources of heat,naked flames.

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DIPROPYLENE GLYCOL MONOMETHYL ETHER

Avoid exposure to: sources of heat.Possibility of explosion.

10.5. Incompatible materials

Information not available.

10.6. Hazardous decomposition products

In the event of thermal decomposition or fire, gases and vapours that are potentially dangerous to health may be released.

SECTION 11. Toxicological information

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification.

It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Information not available

Interactive effects

Information not available

ACUTE TOXICITY

ATE (Inhalation) of the mixture:

Not classified (no significant component)

ATE (Oral) of the mixture:

Not classified (no significant component)

ATE (Dermal) of the mixture:

Not classified (no significant component)

ETHANOL

LD50 (Oral):

> 5000 mg/kg Rat

LC50 (Inhalation vapours):

120 mg/l/4h Pimephales promelas

DIPROPYLENE GLYCOL MONOMETHYL ETHER

LD50 (Oral):

> 5000 mg/kg Rat

LD50 (Dermal):

> 9150 mg/kg Rabbit

LC50 (Inhalation vapours):

> 275 ppm/4h Rat

Linalyl acetate

LD50 (Oral):

9000 mg/kg Rat

LD50 (Dermal):

5000 mg/kg Rabbit

Linalool

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LD50 (Oral): 2790 mg/kg Rat
LD50 (Dermal): 5610 mg/kg Rabbit

Acetyl cedrene
LD50 (Oral): 4500 mg/kg Rat
LD50 (Dermal): 5000 mg/kg Rabbit

SKIN CORROSION / IRRITATION

Does not meet the classification criteria for this hazard class

SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye irritation

RESPIRATORY OR SKIN SENSITISATION

May produce an allergic reaction.

Contains:

Acetyl cedrene

Linalool

(R)-P-MENTHA-1,8-DIENE

Linalyl acetate

Respiratory sensitization

Information not available

Skin sensitization

Information not available

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

Adverse effects on sexual function and fertility

Information not available

Adverse effects on development of the offspring

Information not available

Effects on or via lactation

Information not available

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STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

Target organs

Information not available.

Route of exposure

Information not available.

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class.

Target organs

Information not available.

Route of exposure

Information not available.

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class.

11.2. Information on other hazards

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with human health effects under evaluation.

SECTION 12. Ecological information

This product is dangerous for the environment and the aquatic organisms. In the long term, it have negative effects on aquatic environment.

12.1. Toxicity**(R)-P-MENTHA-1,8-DIENE**

LC50 - for Fish

35 mg/l/96h Oncorhynchus mykiss

EC50 - for Crustacea

69,6 mg/l/48h Daphnia pulex

**DIPROPYLENE GLYCOL MONOMETHYL
ETHER**

LC50 - for Fish

> 1000 mg/l/96h Poecilia reticulata

EC50 - for Algae / Aquatic Plants

> 969 mg/l/72h Selenastrum capricornutum

Acetyl cedrene

LC50 - for Fish

> 2,3 mg/l/96h

Chronic NOEC for Crustacea

0,087 mg/l 21 days

Chronic NOEC for Algae / Aquatic Plants

1,07 mg/l Algae

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Linalool

LC50 - for Fish	27,8 mg/l/96h
EC50 - for Crustacea	59 mg/l/48h
EC10 for Algae / Aquatic Plants	54,3 mg/l/4d

Linalyl acetate

LC50 - for Fish	11 mg/l/96h
EC50 - for Crustacea	59 mg/l/48h
EC50 - for Algae / Aquatic Plants	68 mg/l/72h

12.2. Persistence and degradability

(R)-P-MENTHA-1,8-DIENE

Solubility in water	0,1 - 100 mg/l
Rapidly degradable	

DIPROPYLENE GLYCOL MONOMETHYL
ETHER

Solubility in water	1000 - 10000 mg/l
Rapidly degradable	

ETHANOL

Solubility in water	1000 - 10000 mg/l
Rapidly degradable	

Acetyl cedrene

Solubility in water	6 mg/l @ 23°C
NOT rapidly degradable	

Linalool

Solubility in water	1,56 g/l
Rapidly degradable	

Linalyl acetate

Solubility in water	30 mg/l
Rapidly degradable	

12.3. Bioaccumulative potential

(R)-P-MENTHA-1,8-DIENE

Partition coefficient: n-octanol/water	4,38
BCF	1022

DIPROPYLENE GLYCOL MONOMETHYL
ETHER

Partition coefficient: n-octanol/water	0,0043
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ETHANOL

Partition coefficient: n-octanol/water -0,35

Acetyl cedrene

Partition coefficient: n-octanol/water 5,9 Log Kow

BCF 3920 dimensionless

Linalool

Partition coefficient: n-octanol/water 2,9 Log Kow @ 20°C

Linalyl acetate

Partition coefficient: n-octanol/water 3,9 Log Kow

BCF 174 L/kg ww

12.4. Mobility in soil

Information not available.

12.5. Results of PBT and vPvB assessmentOn the basis of available data, the product does not contain any PBT or vPvB in percentage \geq than 0,1%.**12.6. Endocrine disrupting properties**

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with environmental effects under evaluation.

12.7. Other adverse effects

Information not available.

SECTION 13. Disposal considerations**13.1. Waste treatment methods**

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

Waste transportation may be subject to ADR restrictions.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information**14.1. UN number or ID number**

ADR / RID, IMDG, IATA: 1266

14.2. UN proper shipping name

ADR / RID: PERFUMERY PRODUCTS

IMDG: PERFUMERY PRODUCTS

CULTI MILANO SpA

Revision nr. 4

Dated 03/12/2022

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Page n. 15/18

Replaced revision:3 (Dated:
25/10/2021)

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IATA: PERFUMERY PRODUCTS

14.3. Transport hazard class(es)

ADR / RID: Class: 3 Label: 3

IMDG: Class: 3 Label: 3

IATA: Class: 3 Label: 3

**14.4. Packing group**

ADR / RID, IMDG, IATA: II

14.5. Environmental hazards

ADR / RID: NO

IMDG: NO

IATA: NO

14.6. Special precautions for user

ADR / RID: HIN - Kemler: 33
Special provision: 163, 640D

IMDG: EMS: F-E, S-D

IATA: Cargo:
Pass.:
Special provision:

Limited Quantities: 5 L

Tunnel restriction code:
(D/E)

Limited Quantities: 5 L

Maximum quantity: 60 L

Maximum quantity: 5 L

A3, A72

Packaging instructions: 364

Packaging instructions: 353

14.7. Maritime transport in bulk according to IMO instruments

Information not relevant.

SECTION 15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Seveso Category - Directive 2012/18/EU: P5c

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006Product

Point 3 - 40

Contained substance

Point 75

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Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors

Not applicable

Substances in Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain any SVHC in percentage \geq than 0,1%.

Substances subject to authorisation (Annex XIV REACH)

None.

Substances subject to exportation reporting pursuant to Regulation (EU) 649/2012:

None.

Substances subject to the Rotterdam Convention:

None.

Substances subject to the Stockholm Convention:

None.

Healthcare controls

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

15.2. Chemical safety assessment

A chemical safety assessment has not been performed for the preparation/for the substances indicated in section 3.

SECTION 16. Other information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Flam. Liq. 2	Flammable liquid, category 2
Asp. Tox. 1	Aspiration hazard, category 1
Eye Irrit. 2	Eye irritation, category 2
Skin Irrit. 2	Skin irritation, category 2
Skin Sens. 1B	Skin sensitization, category 1B
Aquatic Acute 1	Hazardous to the aquatic environment, acute toxicity, category 1
Aquatic Chronic 1	Hazardous to the aquatic environment, chronic toxicity, category 1
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic toxicity, category 3
H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H400	Very toxic to aquatic life.

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H410 Very toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE: Identifier in ESIS (European archive of existing substances)
- CLP: Regulation (EC) 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: Regulation (EC) 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA: Time-weighted average exposure limit
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
3. Regulation (EU) 2020/878 (II Annex of REACH Regulation)
4. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
12. Regulation (EU) 2016/1179 (IX Atp. CLP)
13. Regulation (EU) 2017/776 (X Atp. CLP)
14. Regulation (EU) 2018/669 (XI Atp. CLP)
15. Regulation (EU) 2019/521 (XII Atp. CLP)
16. Delegated Regulation (UE) 2018/1480 (XIII Atp. CLP)
17. Regulation (EU) 2019/1148
18. Delegated Regulation (UE) 2020/217 (XIV Atp. CLP)
19. Delegated Regulation (UE) 2020/1182 (XV Atp. CLP)
20. Delegated Regulation (UE) 2021/643 (XVI Atp. CLP)
21. Delegated Regulation (UE) 2021/849 (XVII Atp. CLP)
- The Merck Index. - 10th Edition
- Handling Chemical Safety
- INRS - Fiche Toxicologique (toxicological sheet)
- Patty - Industrial Hygiene and Toxicology
- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition

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Replaced revision:3 (Dated:
25/10/2021)

- IFA GESTIS website
- ECHA website
- Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

CALCULATION METHODS FOR CLASSIFICATION

Chemical and physical hazards: Product classification derives from criteria established by the CLP Regulation, Annex I, Part 2. The data for evaluation of chemical-physical properties are reported in section 9.

Health hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 3, unless determined otherwise in Section 11.

Environmental hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 4, unless determined otherwise in Section 12.

Changes to previous review:

The following sections were modified: 01 / 02 / 03 / 08 / 09 / 11 / 12 / 14 / 15 / 16.