

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: CM2002
Product name: FP ARAMARA
Chemical name and synonym: Perfumed granules for interiors.
UFI: 5K20-40RS-400W-HQCY

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

Intended use: Scented cushion for interiors.

Identified Uses	Industrial	Professional	Consumer
Consumer use		✓	✓

Uses Advised Against

Do not use for other uses

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 800011858 (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.

Hazard classification and indication:

Eye irritation, category 2

H319

Causes serious eye irritation.

FP ARAMARA

Skin irritation, category 2

Skin sensitization, category 1B

Hazardous to the aquatic environment, chronic toxicity, category 2

H315

Causes skin irritation.

H317

May cause an allergic skin reaction.

H411

Toxic 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:

Warning

Hazard statements:

H319

Causes serious eye irritation.

H315

Causes skin irritation.

H317

May cause an allergic skin reaction.

H411

Toxic to aquatic life with long lasting effects.

Precautionary statements:

P501

Dispose of contents / container to local rulements.

P280

Wear protective gloves / eye protection / face protection.

P101

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

P391

Collect spillage.

P102

Keep out of reach of children.

P261

Avoid breathing dust.

P273

Avoid release to the environment.

Contains:

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

Linalool

Methyl-3,4-methylene-dioxydrocinnamaldehyde

Ethanone, 1- (1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-Tetramethyl-2-Naphtalenyl) -

Linalyl acetate

Cyclohexanol, 4- (1,1-Dimethylethyl) -, Acetate, cis-

Bicyclo (3.1.1) Heptane, 6,6-Dimethyl-2-Methylene -, (1s) -

1h-3a, 7-Methanoazulene, Octahydro-6-Methoxy-3,6,8,8-Tetramethyl -, (3r- (3, Alpha., 3a.Beta., 6.Alpha., 7.Beta., 8aAlpha.))

Eugenol

2,4-Dimethyl-3-cyclohexen-1-carboxaldehyde

Citronellol

Eucalyptol

Nerol

Geranyl acetate

Benzenepropanal, 4-Ethyl-.Alpha., Alpha.-dimethyl

Bicyclo (3.1.1) Hept-2-ene, 2,6,6-Trimethyl -, (1s) -

2,6-Octadien-1-ol, 3,7-dimethyl-, acetate, (Z)

Cyclohexanepropanoic acid, 2-Propenyl ester

Cyclohexene, 1-Methyl-4- (1-Methylethylidene) -

CULTI MILANO SpA	Revision nr. 6 Dated 02/09/2022 Printed on 02/09/2022 Page n. 3/36 Replaced revision:5 (Dated: 14/06/2022)
FP ARAMARA	

Cyclohexene, 4- (1,5-Dimethyl-4-Hexenylidene) -1-Methyl-
Oxacyclohexadecan-2-one
Bicyclo (7.2.0) Undec-4-Ene, 4,11,11-Trimethyl-8-Methylene-, (1r- (1r *, 4e, 9s *))
Geraniol
6,7-Dihydro-1,1,2,3,3-pentamethyl-4 (5H) -indanone
Citral
3-Methylcyclopentadecenone

2.3. Other hazards
On the basis of available data, the product does not contain any PBT or vPvB in percentage ≥ than 0,1%.
The product does not contain substances with endocrine disrupting properties in concentration >= 0.1%.

SECTION 3. Composition/information on ingredients

3.2. Mixtures

Contains:

Identification	x = Conc. %	Classification (EC) 1272/2008 (CLP)
Cyclohexanol, 4- (1,1-Dimethylethyl) -, Acetate, cis-		
CAS 10411-92-4	6 ≤ x < 7	Acute Tox. 4 H302, Skin Sens. 1B H317
EC 233-881-7		LD50 Oral: 300 mg/kg
INDEX -		
REACH Reg. 01-2119976287-22		
Ethanone, 1- (1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-Tetramethyl-2-Naphtalenyl) -		
CAS 54464-57-2	6 ≤ x < 7	Skin Irrit. 2 H315, Skin Sens. 1B H317, Aquatic Chronic 1 H410 M=1
EC 259-174-3		
INDEX -		
REACH Reg. 01-2119489989-04-0000		
De-aromatised hydrotreated hydrocarbons		
CAS 64742-47-8	4,5 ≤ x < 5	Asp. Tox. 1 H304, Skin Irrit. 2 H315, STOT SE 3 H336, Aquatic Chronic 2 H411
EC 265-149-8		
INDEX 649-422-00-2		
Propyl (2s) -2- (1,1-Dimethylpropoxy) -propanoate		
CAS 319002-92-1	3,5 ≤ x < 4	Aquatic Chronic 3 H412
EC 437-530-0		
INDEX -		
REACH Reg. 01-0000018277-65		
Linalool		
CAS 78-70-6	3,5 ≤ x < 4	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		
(R)-P-MENTHA-1,8-DIENE		
CAS 5989-27-5	3,5 ≤ x < 4	Flam. Liq. 3 H226, Asp. Tox. 1 H304, Skin Irrit. 2 H315, Skin Sens. 1B H317, Aquatic Acute 1 H400 M=1,

CULTI MILANO SpA		Revision nr. 6 Dated 02/09/2022 Printed on 02/09/2022 Page n. 4/36 Replaced revision:5 (Dated: 14/06/2022)
FP ARAMARA		
		Aquatic Chronic 3 H412
EC 227-813-5		
INDEX 601-096-00-2		
REACH Reg. 01-2119529223-47		
Oxacyclohexadecen-2-One		
CAS 34902-57-3	2 ≤ x < 2,5	Aquatic Acute 1 H400 M=1, Aquatic Chronic 1 H410 M=1
EC 422-320-3		
INDEX -		
REACH Reg. 01-0000016883-62		
1h-3a, 7-Methanoazulene, Octahydro-6-Methoxy-3,6,8,8-Tetramethyl -, (3r- (3, Alpha., 3a.Beta., 6.Alpha., 7.Beta., 8aAlpha .))		
CAS 67874-81-1	2 ≤ x < 2,5	Skin Sens. 1B H317, Aquatic Acute 1 H400 M=1, Aquatic Chronic 1 H410 M=1
EC 267-510-5		
INDEX -		
REACH Reg. 01-2120228335-61		
Linalyl acetate		
CAS 115-95-7	2 ≤ x < 2,5	Eye Irrit. 2 H319, Skin Irrit. 2 H315, Skin Sens. 1B H317
EC 204-116-4		
INDEX -		
REACH Reg. 01-2119983608-21-0000		
4-Cyclohexyl-2-methyl-2-butanol		
CAS 83926-73-2	1 ≤ x < 1,5	Eye Dam. 1 H318, Aquatic Chronic 2 H411
EC 420-630-3		
INDEX -		
REACH Reg. 01-0000016725-66		
Bicyclo (3.1.1) Heptane, 6,6-Dimethyl-2-Methylene -, (1s) -		
CAS 18172-67-3	1 ≤ x < 1,5	Flam. Liq. 3 H226, Asp. Tox. 1 H304, Skin Irrit. 2 H315, Skin Sens. 1B H317, Aquatic Acute 1 H400 M=1, Aquatic Chronic 1 H410 M=1
EC 242-060-2		
INDEX -		
Methyl-3,4-methylene-dioxydrocinnamaldehyde		
CAS 1205-17-0	1 ≤ x < 1,5	Repr. 2 H361, Skin Sens. 1B H317, Aquatic Chronic 2 H411
EC 214-881-6		
INDEX -		
REACH Reg. 01-2120740119-58		
1,4-Cyclohexadiene, 1-Methyl-4- (1-Methylethyl) -		
CAS 99-85-4	0,354 ≤ x < 0,404	Flam. Liq. 3 H226, Repr. 2 H361f, Asp. Tox. 1 H304, Aquatic Chronic 2 H411
EC 202-794-6		
INDEX -		
REACH Reg. 01-2120780478-40		
Geraniol		
CAS 106-24-1	0,354 ≤ x < 0,404	Eye Dam. 1 H318, Skin Irrit. 2 H315, Skin Sens. 1 H317
EC 203-377-1		

CULTI MILANO SpA		Revision nr. 6 Dated 02/09/2022 Printed on 02/09/2022 Page n. 5/36 Replaced revision:5 (Dated: 14/06/2022)
FP ARAMARA		
INDEX -		
REACH Reg. 01-2119552430-49-0000		
Citral		
CAS 5392-40-5	0,354 ≤ x < 0,404	Eye Irrit. 2 H319, Skin Irrit. 2 H315, Skin Sens. 1 H317
EC 226-394-6		
INDEX 605-019-00-3		
REACH Reg. 01-2119462829-23-0000		
3-Methylcyclopentadecenone		
CAS 82356-51-2	0,354 ≤ x < 0,404	Skin Sens. 1B H317, Aquatic Acute 1 H400 M=1, Aquatic Chronic 1 H410 M=1
EC 429-900-5		
INDEX -		
REACH Reg. 01-0000017618-62		
6,7-Dihydro-1,1,2,3,3-pentamethyl-4 (5H) -indanone		
CAS 33704-61-9	0,354 ≤ x < 0,404	Eye Irrit. 2 H319, Skin Irrit. 2 H315, Skin Sens. 1B H317, Aquatic Chronic 2 H411
EC 251-649-3		
INDEX -		
REACH Reg. 01-2119977131-40-0000		
1,6-Octadiene, 7-Methyl-3-Methylene-		
CAS 123-35-3	0,2 ≤ x < 0,25	Flam. Liq. 3 H226, Asp. Tox. 1 H304, Eye Irrit. 2 H319, Skin Irrit. 2 H315, Aquatic Acute 1 H400 M=1, Aquatic Chronic 2 H411
EC 204-622-5		
INDEX -		
REACH Reg. 01-2119514321-56		
Bicyclo (2.2.1) Heptane, 2,2-Dimethyl-3-Methylene-		
CAS 79-92-5	0,2 ≤ x < 0,25	Flam. Sol. 2 H228, Eye Irrit. 2 H319, Aquatic Acute 1 H400 M=1, Aquatic Chronic 1 H410 M=1
EC 201-234-8		
INDEX -		
REACH Reg. 01-2119446293-40		
Oxacyclohexadecan-2-one		
CAS 106-02-5	0,2 ≤ x < 0,25	Skin Sens. 1B H317, Aquatic Chronic 2 H411
EC 203-354-6		
INDEX -		
REACH Reg. 01-2119987323-31		
Bicyclo (3.1.1) Hept-2-ene, 2,6,6-Trimethyl -, (1s) -		
CAS 7785-26-4	0,2 ≤ x < 0,25	Flam. Liq. 3 H226, Acute Tox. 4 H302, Asp. Tox. 1 H304, Skin Irrit. 2 H315, Skin Sens. 1B H317, Aquatic Acute 1 H400 M=1, Aquatic Chronic 1 H410 M=1 LD50 Oral: 500 mg/kg
EC 232-077-3		
INDEX -		
REACH Reg. 01-2119979519-16		
Cyclohexene, 1-Methyl-4- (1-Methylethylidene) -		
CAS 586-62-9	0,2 ≤ x < 0,25	Asp. Tox. 1 H304, Skin Sens. 1B H317, Aquatic Acute 1 H400 M=1, Aquatic Chronic 1 H410 M=1
EC 209-578-0		
INDEX -		

CULTI MILANO SpA		Revision nr. 6
FP ARAMARA		Dated 02/09/2022 Printed on 02/09/2022 Page n. 6/36 Replaced revision:5 (Dated: 14/06/2022)
REACH Reg. 01-2119982325-32		
Geranyl acetate		
CAS 105-87-3	0,2 ≤ x < 0,25	Skin Irrit. 2 H315, Skin Sens. 1B H317, Aquatic Chronic 3 H412
EC 203-341-5		
INDEX -		
REACH Reg. 01-2119973480-35-0000		
Bicyclo (7.2.0) Undec-4-Ene, 4,11,11-Trimethyl-8-Methylene-, (1r- (1r *, 4e, 9s *))		
CAS 87-44-5	0,2 ≤ x < 0,25	Asp. Tox. 1 H304, Skin Sens. 1B H317
EC 201-746-1		
INDEX -		
REACH Reg. 01-2120745237-53		
Eugenol		
CAS 97-53-0	0,2 ≤ x < 0,25	Eye Irrit. 2 H319, Skin Sens. 1B H317
EC 202-589-1		
INDEX -		
REACH Reg. 01-2119971802-33-0000		
2,6-Octadien-1-ol, 3,7-dimethyl-, acetate, (Z)		
CAS 141-12-8	0,2 ≤ x < 0,25	Skin Sens. 1B H317
EC 205-459-2		
INDEX -		
REACH Reg. 01-2120748334-54		
Benzenepropanal, 4-Ethyl-.Alpha.,. Alpha.-dimethyl		
CAS 67634-15-5	0,2 ≤ x < 0,25	Skin Irrit. 2 H315, Skin Sens. 1B H317, Aquatic Acute 1 H400 M=1, Aquatic Chronic 2 H411
EC 266-819-2		
INDEX -		
REACH Reg. 01-2120758796-34		
Cyclohexanepropanoic acid, 2-Propenyl ester		
CAS 2705-87-5	0,2 ≤ x < 0,25	Acute Tox. 4 H302, Acute Tox. 4 H312, Acute Tox. 4 H332, Skin Sens. 1 H317, Aquatic Acute 1 H400 M=1, Aquatic Chronic 1 H410 M=1 STA Oral: 500 mg/kg, STA Dermal: 1100 mg/kg, STA Inhalation mists/powders: 1,5 mg/l
EC 220-292-5		
INDEX -		
REACH Reg. 01-2119976355-27		
2,4-Dimethyl-3-cyclohexen-1-carboxaldehyde		
CAS 68039-49-6	0,2 ≤ x < 0,25	Skin Irrit. 2 H315, Skin Sens. 1B H317, Aquatic Chronic 2 H411
EC 268-264-1		
INDEX -		
REACH Reg. 01-2119982384-28		
Cyclohexene, 4- (1,5-Dimethyl-4-Hexenylidene) -1-Methyl-		
CAS 495-62-5	0,2 ≤ x < 0,25	Acute Tox. 4 H332, Asp. Tox. 1 H304, Skin Irrit. 2 H315, Skin Sens. 1B H317, Aquatic Chronic 2 H411 STA Inhalation mists/powders: 1,5 mg/l
EC 207-805-8		
INDEX -		
REACH Reg. 01-2120747024-62		

Eucalyptol

CAS 470-82-6

 $0,2 \leq x < 0,25$

Flam. Liq. 3 H226, Eye Irrit. 2 H319, Skin Sens. 1B H317

EC 207-431-5

INDEX -

REACH Reg. 01-2119967772-24-0000

Nerol

CAS 106-25-2

 $0,2 \leq x < 0,25$

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

EC 203-378-7

INDEX -

REACH Reg. 01-2119983244-33

Citronellol

CAS 106-22-9

 $0,2 \leq x < 0,25$

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

EC 203-375-0

INDEX -

REACH Reg. 01-2119453995-23-0000

Bis (1,2,2,6,6-pentamethyl-4-piperidyl) ((3,5-bis (1,1-dimethylethyl) -4-hydroxyphenyl) methyl) butylmalonate

CAS 63843-89-0

 $0,025 \leq x < 0,08$ Acute Tox. 4 H302, STOT RE 1 H372, Aquatic Chronic 1
H410 M=10
LD50 Oral: 1490 mg/kg

EC 264-513-3

INDEX -

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**

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. If problem persists, seek medical advice.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention immediately. Wash contaminated clothing before using it again.

INHALATION: Remove to open air. If the subject stops breathing, administer artificial respiration. Get medical advice/attention immediately.

INGESTION: Get medical advice/attention immediately. Do not induce vomiting. Do not administer anything not explicitly authorised by a doctor.

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

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

UNSUITABLE EXTINGUISHING EQUIPMENT

None in particular.

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

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**

If there are no contraindications, spray powder with water to prevent the formation of dust.

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.

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 and place it in containers for recovery or disposal. If there are no contraindications, use jets of water to eliminate product residues. Make sure the leakage site is well aired. Evaluate the compatibility of the container to be used, by checking section 10. 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**7.1. Precautions for safe handling**

Keep away from heat, sparks and naked flames; do not smoke or use matches or lighters. Without adequate ventilation, vapours may accumulate at ground level and, if ignited, catch fire even at a distance, with the danger of backfire. Avoid bunching of electrostatic charges. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat. Avoid leakage of the product into the environment.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store in a cool and well ventilated place, keep far away from sources of heat, naked flames and sparks and other sources of ignition. Keep containers away from any incompatible materials, see section 10 for details.

7.3. Specific end use(s)

Information not available.

SECTION 8. Exposure controls/personal protection**8.1. Control parameters**

Regulatory References:

TLV-ACGIH

ACGIH 2021

Ethanone, 1- (1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-Tetramethyl-2-Naphtalenyl) -

Predicted no-effect concentration - PNEC

Normal value in fresh water

0,0044

mg/l

CULTI MILANO SpA					Revision nr. 6 Dated 02/09/2022 Printed on 02/09/2022 Page n. 9/36 Replaced revision:5 (Dated: 14/06/2022)			
FP ARAMARA								
Normal value in marine water					440	ng/L		
Normal value for fresh water sediment					3,73	mg/kg/d		
Normal value for marine water sediment					0,75	mg/kg/d		
Normal value of STP microorganisms					10	mg/l		
Normal value for the terrestrial compartment					2,7	mg/kg/d		
Health - Derived no-effect level - DNEL / DMEL								
Route of exposure	Effects on consumers Acute local	Acute systemic	Chronic local	Chronic systemic	Effects on workers Acute local	Acute systemic	Chronic local	Chronic systemic
Inhalation				9 mg/m3				30 mg/m3
Skin				17,2 mg/kg bw/d				28,7 mg/kg bw/d
Cyclohexanol, 4- (1,1-Dimethylethyl) -, Acetate, cis-								
Predicted no-effect concentration - PNEC								
Normal value in fresh water					0,0012	mg/l		
Normal value in marine water					120	ng/L		
Normal value for fresh water sediment					0,393	mg/kg/d		
Normal value for marine water sediment					0,039	mg/kg/d		
Normal value for water, intermittent release					0,012	mg/l		
Normal value of STP microorganisms					NPI			
Normal value for the terrestrial compartment					0,078	mg/kg/d		
Normal value for the atmosphere					NPI			
Health - Derived no-effect level - DNEL / DMEL								
Route of exposure	Effects on consumers Acute local	Acute systemic	Chronic local	Chronic systemic	Effects on workers Acute local	Acute systemic	Chronic local	Chronic systemic
Inhalation				NPI				NPI
Skin				NPI				NPI
Propyl (2s) -2- (1,1-Dimethylpropoxy) -propanoate								
Predicted no-effect concentration - PNEC								
Normal value in fresh water					0,013	mg/l		
Normal value in marine water					0,0013	mg/l		
Normal value for fresh water sediment					0,117	mg/kg/d		
Normal value for marine water sediment					0,012	mg/kg/d		
Normal value of STP microorganisms					10	mg/l		
Normal value for the terrestrial compartment					0,016	mg/kg/d		
Health - Derived no-effect level - DNEL / DMEL								
Route of exposure	Effects on consumers Acute local	Acute systemic	Chronic local	Chronic systemic	Effects on workers Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				1,25 mg/kg bw/d				
Inhalation				2,17 mg/m3				8,8 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

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

Oxacyclohexadecen-2-One

Predicted no-effect concentration - PNEC

Normal value in fresh water	0,0027	mg/l
Normal value in marine water	270	ng/L
Normal value for fresh water sediment	21	mg/kg/d
Normal value for marine water sediment	4,2	mg/kg/d
Normal value of STP microorganisms	10	mg/l
Normal value for the terrestrial compartment	5,44	mg/kg/d

1h-3a, 7-Methanoazulene, Octahydro-6-Methoxy-3,6,8,8-Tetramethyl -, (3r- (3, Alpha., 3a.Beta., 6.Alpha., 7.Beta., 8aAlpha.))

Predicted no-effect concentration - PNEC

Normal value in fresh water	430	ng/L
Normal value in marine water	43	ng/L

Normal value for fresh water sediment	1,29	mg/kg/d						
Normal value for marine water sediment	0,129	mg/kg/d						
Normal value of STP microorganisms	100	mg/l						
Health - Derived no-effect level - DNEL / DMEL								
	Effects on consumers	Effects on workers						
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Inhalation				4,7 mg/m3				16,1 mg/m3
Skin				2,7 mg/kg bw/d				4,5 mg/kg bw/d
Methyl-3,4-methylene-dioxydrocinnamaldehyde								
Predicted no-effect concentration - PNEC								
Normal value in fresh water				0,0053		mg/l		
Normal value in marine water				530		ng/L		
Normal value for fresh water sediment				0,0569		mg/kg/d		
Normal value for marine water sediment				0,00569		mg/kg/d		
Normal value for water, intermittent release				0,053		mg/l		
Normal value of STP microorganisms				10		mg/l		
Normal value for the terrestrial compartment				0,00826		mg/kg/d		
Health - Derived no-effect level - DNEL / DMEL								
	Effects on consumers				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				0,170 mg/kg bw/d				
Inhalation				0,290 mg/m3				1,2 mg/m3
Skin				0,083 mg/kg bw/d				0,170 mg/kg bw/d
4-Cyclohexyl-2-methyl-2-butanol								
Predicted no-effect concentration - PNEC								
Normal value in fresh water				0,0038		mg/l		
Normal value in marine water				380		ng/L		
Normal value for fresh water sediment				0,127		mg/kg/d		
Normal value for marine water sediment				0,013		mg/kg/d		
Normal value of STP microorganisms				1,7		mg/l		
Normal value for the terrestrial compartment				0,023		mg/kg/d		
Normal value for the atmosphere				NPI				
Health - Derived no-effect level - DNEL / DMEL								
	Effects on consumers				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Inhalation				NPI				NPI
Skin				NPI				NPI
Bicyclo (3.1.1) Heptane, 6,6-Dimethyl-2-Methylene -, (1s) -								
Predicted no-effect concentration - PNEC								
Normal value in fresh water				0,001		mg/l		

CULTI MILANO SpA	Revision nr. 6 Dated 02/09/2022 Printed on 02/09/2022 Page n. 12/36 Replaced revision:5 (Dated: 14/06/2022)
FP ARAMARA	

Normal value in marine water	0,000001	mg/l
Normal value for fresh water sediment	0,337	mg/kg/d
Normal value for marine water sediment	0,0337	mg/kg/d
Normal value of STP microorganisms	3,26	mg/l
Normal value for the terrestrial compartment	0,0671	mg/kg/d

Health - Derived no-effect level - DNEL / DMEL								
Route of exposure	Effects on consumers			Chronic systemic	Effects on workers			Chronic systemic
	Acute local	Acute systemic	Chronic local		Acute local	Acute systemic	Chronic local	
Inhalation				1 mg/m3				5,69 mg/m3
Skin				0,3 mg/kg bw/d				0,8 mg/kg bw/d

Citral								
Threshold Limit Value								
Type	Country	TWA/8h		STEL/15min		Remarks / Observations		
		mg/m3	ppm	mg/m3	ppm			
TLV-ACGIH			5			SKIN	IFV, Skin, DSEN, A4	

Predicted no-effect concentration - PNEC		
Normal value in fresh water	0,00678	mg/l
Normal value in marine water	678	ng/L
Normal value for fresh water sediment	0,125	mg/kg/d
Normal value for marine water sediment	0,0125	mg/kg/d
Normal value of STP microorganisms	1,6	mg/l
Normal value for the terrestrial compartment	0,0209	mg/kg/d

Health - Derived no-effect level - DNEL / DMEL								
Route of exposure	Effects on consumers			Chronic systemic	Effects on workers			Chronic systemic
	Acute local	Acute systemic	Chronic local		Acute local	Acute systemic	Chronic local	
Oral				0,600 mg/kg bw/d				
Inhalation				2,7 mg/m3				9 mg/m3
Skin				1 mg/kg bw/d				1,7 mg/kg bw/d

3-Methylcyclopentadecenone		
Predicted no-effect concentration - PNEC		
Normal value in fresh water	0,00242	mg/l
Normal value in marine water	242	ng/L
Normal value for fresh water sediment	3,66	mg/kg/d
Normal value for marine water sediment	0,37	mg/kg/d
Normal value of STP microorganisms	10	mg/l
Normal value for the terrestrial compartment	2,34	mg/kg/d

6,7-Dihydro-1,1,2,3,3-pentamethyl-4 (5H) -indanone		
Predicted no-effect concentration - PNEC		
Normal value in fresh water	0,004	mg/l
Normal value in marine water	400	ng/L

CULTI MILANO SpA			Revision nr. 6 Dated 02/09/2022 Printed on 02/09/2022 Page n. 13/36 Replaced revision:5 (Dated: 14/06/2022)
FP ARAMARA			

Normal value for fresh water sediment					0,0991	mg/kg/d		
Normal value for marine water sediment					0,00991	mg/kg/d		
Normal value of STP microorganisms					10	mg/l		
Normal value for the terrestrial compartment					0,0174	mg/kg/d		
Health - Derived no-effect level - DNEL / DMEL								
	Effects on consumers					Effects on workers		
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Inhalation				0,440 mg/m3				1,47 mg/m3
Skin				0,250 mg/kg bw/d				0,420 mg/kg bw/d
Geraniol								
Predicted no-effect concentration - PNEC								
Normal value in fresh water					0,0108	mg/l		
Normal value in marine water					0,00108	mg/l		
Normal value for fresh water sediment					0,115	mg/kg/d		
Normal value for marine water sediment					0,0115	mg/kg/d		
Normal value of STP microorganisms					0,7	mg/l		
Normal value for the terrestrial compartment					0,0167	mg/kg/d		
Health - Derived no-effect level - DNEL / DMEL								
	Effects on consumers					Effects on workers		
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				13,75 mg/kg bw/d				
Inhalation				47,8 mg/m3				161,6 mg/m3
Skin				7,5 mg/kg bw/d				12,5 mg/kg bw/d
1,4-Cyclohexadiene, 1-Methyl-4- (1-Methylethyl) -								
Predicted no-effect concentration - PNEC								
Normal value in fresh water					0,00792	mg/l		
Normal value in marine water					279,2	ng/L		
Normal value for fresh water sediment					0,49	mg/kg/d		
Normal value for marine water sediment					0,049	mg/kg/d		
Normal value of STP microorganisms					10	mg/l		
Normal value for the terrestrial compartment					0,422766	mg/kg/d		
Health - Derived no-effect level - DNEL / DMEL								
	Effects on consumers					Effects on workers		
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Inhalation				0,725 mg/m3				2,939 mg/m3
Skin				0,417 mg/kg bw/d				0,833 mg/kg bw/d
Eugenol								
Predicted no-effect concentration - PNEC								
Normal value in fresh water					0,0013	mg/l		
Normal value in marine water					113	ng/L		

CULTI MILANO SpA

FP ARAMARA

Revision nr. 6

Dated 02/09/2022

Printed on 02/09/2022

Page n. 14/36

Replaced revision:5 (Dated:
14/06/2022)

Normal value for fresh water sediment	0,081	mg/kg/d
Normal value for marine water sediment	0,0081	mg/kg/d
Normal value for the food chain (secondary poisoning)	0,0155	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				3 mg/kg bw/d				
Inhalation				5,22 mg/m3				21,2 mg/m3
Skin				3 mg/kg bw/d				6 mg/kg bw/d

Nerol

Predicted no-effect concentration - PNEC

Normal value in fresh water	0,00745	mg/l
Normal value in marine water	745	ng/L
Normal value for fresh water sediment	0,133	mg/kg/d
Normal value for marine water sediment	0,0133	mg/kg/d
Normal value of STP microorganisms	12,9	mg/l
Normal value for the terrestrial compartment	0,0223	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
Inhalation				1,09 mg/m3				4,4 mg/m3
Skin				0,620 mg/kg bw/d				1,25 mg/kg bw/d

Eucalyptol

Predicted no-effect concentration - PNEC

Normal value in fresh water	0,057	mg/l
Normal value in marine water	0,0057	mg/l
Normal value for fresh water sediment	1,425	mg/kg/d
Normal value for marine water sediment	0,1425	mg/kg/d
Normal value of STP microorganisms	10	mg/l
Normal value for the terrestrial compartment	0,25	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				600 mg/kg bw/d				
Inhalation				1,74 mg/m3				7,05 mg/m3
Skin				1 mg/kg bw/d				2 mg/kg bw/d

2,6-Octadien-1-ol, 3,7-dimethyl-, acetate, (Z)

Predicted no-effect concentration - PNEC

Normal value in fresh water	0,0049	mg/l
Normal value in marine water	490	ng/L

CULTI MILANO SpA					Revision nr. 6 Dated 02/09/2022 Printed on 02/09/2022 Page n. 15/36 Replaced revision:5 (Dated: 14/06/2022)			
FP ARAMARA								
Normal value for fresh water sediment					0,133	mg/kg/d		
Normal value for marine water sediment					0,0133	mg/kg/d		
Normal value for water, intermittent release					0,049	mg/l		
Normal value of STP microorganisms					12,9	mg/l		
Normal value for the terrestrial compartment					0,0223	mg/kg/d		
Health - Derived no-effect level - DNEL / DMEL								
	Effects on consumers				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				0,620 mg/kg bw/d				
Inhalation				1,09 mg/m3	4,4 mg/m3			
Skin				0,620 mg/kg bw/d	1,25 mg/kg bw/d			
Citronellol								
Predicted no-effect concentration - PNEC								
Normal value in fresh water					0,0024	mg/l		
Normal value in marine water					240	ng/L		
Normal value for fresh water sediment					0,0256	mg/kg/d		
Normal value for marine water sediment					0,00256	mg/kg/d		
Normal value of STP microorganisms					580	mg/l		
Normal value for the terrestrial compartment					0,00371	mg/kg/d		
Health - Derived no-effect level - DNEL / DMEL								
	Effects on consumers				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				13,8 mg/kg bw/d				
Inhalation				47,8 mg/m3	161,6 mg/m3			
Skin				196,4 mg/kg bw/d	327,4 mg/kg bw/d			
Geranyl acetate								
Predicted no-effect concentration - PNEC								
Normal value in fresh water					0,00372	mg/l		
Normal value in marine water					372	ng/L		
Normal value for fresh water sediment					0,442	mg/kg/d		
Normal value for marine water sediment					0,0442	mg/kg/d		
Normal value for water, intermittent release					0,0372	mg/l		
Normal value of STP microorganisms					8	mg/l		
Normal value for the terrestrial compartment					0,0859	mg/kg/d		
Health - Derived no-effect level - DNEL / DMEL								
	Effects on consumers				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				8,9 mg/kg bw/d				
Inhalation				15,4 mg/m3	62,59 mg/m3			
Skin				17,75 mg/kg bw/d	35,5 mg/kg bw/d			

Cyclohexene, 1-Methyl-4- (1-Methylethylidene) -

Predicted no-effect concentration - PNEC

Normal value in fresh water	634	ng/L
Normal value in marine water	63,4	ng/L
Normal value for fresh water sediment	0,1454	mg/kg/d
Normal value for marine water sediment	0,01454	mg/kg/d
Normal value for water, intermittent release	0,00634	mg/l
Normal value of STP microorganisms	0,2	mg/l
Normal value for the terrestrial compartment	0,01638	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				0,260 mg/kg bw/d				
Inhalation				0,900 mg/m3				3,6 mg/m3
Skin				0,260 mg/kg bw/d				0,520 mg/kg bw/d

Bicyclo (3.1.1) Hept-2-ene, 2,6,6-Trimethyl -, (1s) -

Predicted no-effect concentration - PNEC

Normal value in fresh water	606	ng/L
Normal value in marine water	60,6	ng/L
Normal value for fresh water sediment	0,157	mg/kg/d
Normal value for marine water sediment	0,0157	mg/kg/d
Normal value for water, intermittent release	303	ng/L
Normal value of STP microorganisms	0,2	mg/l
Normal value for the terrestrial compartment	0,0317	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
Inhalation				1,07 mg/m3				6,03 mg/m3
Skin				0,628 mg/kg bw/d				1,76 mg/kg bw/d

Oxacyclohexadecan-2-one

Predicted no-effect concentration - PNEC

Normal value in fresh water	0,0027	mg/l
Normal value in marine water	270	ng/L
Normal value for fresh water sediment	21	mg/kg/d
Normal value for marine water sediment	4,2	mg/kg/d
Normal value of STP microorganisms	10	mg/l
Normal value for the terrestrial compartment	5,44	mg/kg/d

Bicyclo (2.2.1) Heptane, 2,2-Dimethyl-3-Methylene-

Predicted no-effect concentration - PNEC

CULTI MILANO SpA**FP ARAMARA****Revision nr. 6**

Dated 02/09/2022

Printed on 02/09/2022

Page n. 17/36

Replaced revision:5 (Dated:
14/06/2022)

Normal value in fresh water	720	ng/L
Normal value in marine water	72	ng/L
Normal value for fresh water sediment	0,0262	mg/kg/d
Normal value for marine water sediment	0,00262	mg/kg/d
Normal value of STP microorganisms	10	mg/l
Normal value for the terrestrial compartment	0,0211	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
Inhalation				54,3 mg/m3				110,19 mg/m3
Skin				0,100 mg/kg bw/d				0,210 mg/kg bw/d

Bis (1,2,2,6,6-pentamethyl-4-piperidyl) ((3,5-bis (1,1-dimethylethyl) -4-hydroxyphenyl) methyl) butylmalonate

Predicted no-effect concentration - PNEC

Normal value in fresh water	40	ng/L
Normal value in marine water	4	ng/L
Normal value for fresh water sediment	504,4	mg/kg/d
Normal value for marine water sediment	50,44	mg/kg/d
Normal value for water, intermittent release	0,61	mg/l
Normal value of STP microorganisms	1	mg/l
Normal value for the terrestrial compartment	1	mg/kg/d
Normal value for the atmosphere	NPI	

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				0,003 mg/kg bw/d				
Inhalation				0,010 mg/m3				0,050 mg/m3
Skin				0,033 mg/kg bw/d				0,070 mg/kg bw/d

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.

HAND PROTECTION

In the case of prolonged contact with the product, protect the hands with penetration-resistant work gloves (see standard EN 374).

Work glove material must be chosen according to the use process and the products that may form. Latex gloves may cause sensitivity reactions.

SKIN PROTECTION

CULTI MILANO SpA	Revision nr. 6 Dated 02/09/2022 Printed on 02/09/2022 Page n. 18/36 Replaced revision:5 (Dated: 14/06/2022)
FP ARAMARA	

Wear category II 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.

EYE PROTECTION
Wear airtight protective goggles (see standard EN 166).

RESPIRATORY PROTECTION
None required, unless indicated otherwise in the chemical risk assessment.

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	granular solid	Concentration: 100 % Temperature: 20 °C
Colour	white	Concentration: 100 % Temperature: 20 °C
Odour	citrusy	Concentration: 100 % Temperature: 20 °C
Odour threshold	Not applicable	
Melting point / freezing point	150 °C	Concentration: 100 %
Initial boiling point	Not available	
Flammability	not flammable	Concentration: 100 %
Lower explosive limit	Not available	
Upper explosive limit	Not available	
Flash point	> 60 °C	Concentration: 100 %
Auto-ignition temperature	450 °C	Concentration: 100 %
Decomposition temperature	300° - 350°C	Concentration: 100 %
pH	Not applicable	
Kinematic viscosity	Not available	
Solubility	insoluble in water	Concentration: 100 % Temperature: 20 °C
Partition coefficient: n-octanol/water	Not available	
Vapour pressure	Not available	
Density and/or relative density	0,65 g/cm³	Concentration: 100 % Temperature: 20 °C
Relative vapour density	Not available	
Particle characteristics		
Shape	spherical	

9.2. Other information

9.2.1. Information with regard to physical hazard classes

Information not available

9.2.2. Other safety characteristics

Oxidising properties

not oxidizing

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.

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.

10.4. Conditions to avoid

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

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:

>2000 mg/kg

ATE (Dermal) of the mixture:

Not classified (no significant component)

CULTI MILANO SpA		Revision nr. 6 Dated 02/09/2022 Printed on 02/09/2022 Page n. 20/36 Replaced revision:5 (Dated: 14/06/2022)
FP ARAMARA		
Ethanone, 1- (1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-Tetramethyl-2-Naphtalenyl) - LD50 (Oral): LD50 (Dermal):	5000 mg/kg Rat 5000 mg/kg Rat	
Cyclohexanol, 4- (1,1-Dimethylethyl) -, Acetate, cis- LD50 (Oral):	300 mg/kg	
De-aromatised hydrotreated hydrocarbons LD50 (Oral): LD50 (Dermal): LC50 (Inhalation vapours):	5000 mg/kg Rat 2000 mg/kg bw Rabbit 5,28 mg/l/4h Rat	
Propyl (2s) -2- (1,1-Dimethylpropoxy) -propanoate LD50 (Oral): LD50 (Dermal):	> 2000 mg/kg > 2000 mg/kg	
Linalool LD50 (Oral): LD50 (Dermal):	2790 mg/kg Rat 5610 mg/kg Rabbit	
Linalyl acetate LD50 (Oral): LD50 (Dermal):	9000 mg/kg Rat 5000 mg/kg Rabbit	
Oxacyclohexadecen-2-One LD50 (Oral): LD50 (Dermal):	> 2000 mg/kg Rat > 2000 mg/kg Rat	
1h-3a, 7-Methanoazulene, Octahydro-6-Methoxy-3,6,8,8-Tetramethyl -, (3r- (3, Alpha., 3a.Beta., 6.Alpha., 7.Beta., 8aAlpha .)) LD50 (Oral):	5000 mg/kg Rat	
Methyl-3,4-methylene-dioxydrocinnamaldehyde LD50 (Oral): LD50 (Dermal):	3362 mg/kg Rat 2000 mg/kg Rabbit	
4-Cyclohexyl-2-methyl-2-butanol LD50 (Oral):	> 2000 mg/kg	
Bicyclo (3.1.1) Heptane, 6,6-Dimethyl-2-Methylene -, (1s) - LD50 (Oral):	> 5000 mg/kg Rat	
Citral LD50 (Oral): LD50 (Dermal):	6800 mg/kg Rat 2000 mg/kg Rat	
3-Methylcyclopentadecenone LD50 (Oral): LD50 (Dermal):	2000 mg/kg Rat 2000 mg/kg Rat	
6,7-Dihydro-1,1,2,3,3-pentamethyl-4 (5H) -indanone LD50 (Oral):	2901 mg/kg Rat	
Geraniol LD50 (Oral): LD50 (Dermal):	3600 mg/kg Rat 5000 mg/kg Rabbit	
1,4-Cyclohexadiene, 1-Methyl-4- (1-Methylethyl) - LD50 (Oral):	2000 mg/kg Rat	

FP ARAMARA

LD50 (Dermal):	2000 mg/kg Rat
Eugenol	
LD50 (Oral):	2000 mg/kg Rat
Nerol	
LD50 (Oral):	4500 mg/kg Rat
LD50 (Dermal):	5000 mg/kg Rabbit
Cyclohexene, 4- (1,5-Dimethyl-4-Hexenylidene) -1-Methyl- STA (Inhalation mists/powders):	1,5 mg/l estimate from table 3.1.2 of Annex I of the CLP (figure used for calculation of the acute toxicity estimate of the mixture)
Cyclohexanepropanoic acid, 2-Propenyl ester	
STA (Oral):	500 mg/kg estimate from table 3.1.2 of Annex I of the CLP (figure used for calculation of the acute toxicity estimate of the mixture)
STA (Dermal):	1100 mg/kg estimate from table 3.1.2 of Annex I of the CLP (figure used for calculation of the acute toxicity estimate of the mixture)
STA (Inhalation mists/powders):	1,5 mg/l estimate from table 3.1.2 of Annex I of the CLP (figure used for calculation of the acute toxicity estimate of the mixture)
1,6-Octadiene, 7-Methyl-3-Methylene-	
LD50 (Oral):	3380 mg/kg Mouse
LD50 (Dermal):	> 2000 mg/kg Rabbit
2,6-Octadien-1-ol, 3,7-dimethyl-, acetate, (Z)	
LD50 (Oral):	2000 mg/kg Rat
LD50 (Dermal):	6 mL/Kg bw Rabbit
Bicyclo (7.2.0) Undec-4-Ene, 4,11,11-Trimethyl-8-Methylene-, (1r- (1r *, 4e, 9s *))	
LD50 (Oral):	5000 mg/kg Mouse
Geranyl acetate	
LD50 (Oral):	> 5000 mg/kg Rat
LD50 (Dermal):	6 mL/Kg bw Rabbit
Cyclohexene, 1-Methyl-4- (1-Methylethylidene) -	
LD50 (Oral):	2000 mg/kg Rat
LD50 (Dermal):	> 2000 mg/kg Rabbit
Bicyclo (3.1.1) Hept-2-ene, 2,6,6-Trimethyl -, (1s) -	
LD50 (Oral):	500 mg/kg Rat
LD50 (Dermal):	2000 mg/kg Rat
Oxacyclohexadecan-2-one	
LD50 (Oral):	2000 mg/kg Rat
LD50 (Dermal):	2000 mg/kg Rat
Bicyclo (2.2.1) Heptane, 2,2-Dimethyl-3-Methylene-	
LD50 (Oral):	5000 mg/kg Mouse
LD50 (Dermal):	2000 mg/kg Rabbit
Bis (1,2,2,6,6-pentamethyl-4-piperidyl) ((3,5-bis (1,1-dimethylethyl) -4-hydroxyphenyl) methyl) butylmalonate	
LD50 (Oral):	1490 mg/kg Rat
LD50 (Dermal):	3170 mg/kg Rat
LC50 (Inhalation mists/powders):	460 mg/m ³ 4h Rat

SKIN CORROSION / IRRITATION

Causes skin irritation

FP ARAMARA**SERIOUS EYE DAMAGE / IRRITATION**

Causes serious eye irritation

RESPIRATORY OR SKIN SENSITISATION

Sensitising for the skin

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

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 is toxic for aquatic organisms. In the long term, it have negative effects on acquatic 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

Geraniol

LC50 - for Fish 22 mg/l/96h

EC50 - for Crustacea 4 mg/l/48h

EC50 - for Algae / Aquatic Plants 13,1 mg/l/72h

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

**Methyl-3,4-methylene-
dioxydrocinnamaldehyde**

LC50 - for Fish 5,3 mg/l/96h

EC50 - for Algae / Aquatic Plants 28 mg/l/72h

Chronic NOEC for Algae / Aquatic Plants 6,25 mg/l

**Ethanone, 1- (1,2,3,4,5,6,7,8-Octahydro-
2,3,8,8-Tetramethyl-2-Naphtalenyl) -**

LC50 - for Fish 1,3 mg/l/96h

Chronic NOEC for Fish > 0,16 mg/l 30 days

Chronic NOEC for Crustacea > 0,028 mg/l 21 days

CULTI MILANO SpA**Revision nr. 6**

Dated 02/09/2022

Printed on 02/09/2022

Page n. 24/36

Replaced revision:5 (Dated:
14/06/2022)**FP ARAMARA**

Chronic NOEC for Algae / Aquatic Plants	2,6 mg/l freshwater algae
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
Eugenol	
LC50 - for Fish	13 mg/l/96h
EC50 - for Crustacea	> 1,05 mg/l/48h
EC50 - for Algae / Aquatic Plants	24 mg/l/72h
6,7-Dihydro-1,1,2,3,3-pentamethyl-4 (5H) - indanone	
LC50 - for Fish	2,12 mg/l/96h
EC50 - for Crustacea	1,5 mg/l/48h
EC50 - for Algae / Aquatic Plants	10 mg/l/72h freshwater algae
Chronic NOEC for Algae / Aquatic Plants	6 mg/l freshwater algae
Citronellol	
LC50 - for Fish	14,66 mg/l/96h
EC50 - for Crustacea	17,48 mg/l/48h
EC50 - for Algae / Aquatic Plants	2,4 mg/l/72h
Eucalyptol	
LC50 - for Fish	57 mg/l/96h
EC50 - for Crustacea	100 mg/l/48h
Chronic NOEC for Algae / Aquatic Plants	37 mg/l freshwater algae
Nerol	
LC50 - for Fish	20,3 mg/l/96h
EC50 - for Crustacea	32,4 mg/l/48h
Citral	
LC50 - for Fish	6,78 mg/l/96h
EC50 - for Crustacea	6,8 mg/l/48h
EC50 - for Algae / Aquatic Plants	103,8 mg/l/72h
Geranyl acetate	
LC50 - for Fish	68,12 mg/l/96h
EC50 - for Crustacea	14,1 mg/l/48h
EC50 - for Algae / Aquatic Plants	3,72 mg/l/72h
Propyl (2s) -2- (1,1-Dimethylpropoxy) - propanoate	
LC50 - for Fish	13 mg/l/96h

FP ARAMARA

EC50 - for Crustacea	20 mg/l/48h
EC50 - for Algae / Aquatic Plants	> 85 mg/l/72h
3-Methylcyclopentadecenone	
LC50 - for Fish	0,22 mg/l/96h
EC50 - for Algae / Aquatic Plants	30 mg/l/72h
Chronic NOEC for Fish	0,13 mg/l 10 days
1,4-Cyclohexadiene, 1-Methyl-4- (1-Methylethyl) -	
EC50 - for Crustacea	10,189 mg/l/48h
EC50 - for Algae / Aquatic Plants	10,82 mg/l/72h
1,6-Octadiene, 7-Methyl-3-Methylene-	
EC50 - for Crustacea	1,47 mg/l/48h
EC50 - for Algae / Aquatic Plants	0,342 mg/l/72h freshwater algae
Bicyclo (3.1.1) Hept-2-ene, 2,6,6-Trimethyl -, (1s) -	
LC50 - for Fish	0,303 mg/l/96h
EC50 - for Crustacea	0,475 mg/l/48h
Chronic NOEC for Algae / Aquatic Plants	0,131 mg/l freshwater algae
2,6-Octadien-1-ol, 3,7-dimethyl-, acetate, (Z)	
LC50 - for Fish	6 mg/l/96h
EC50 - for Crustacea	9,06 mg/l/48h
EC50 - for Algae / Aquatic Plants	4,9 mg/l/72h
Cyclohexene, 1-Methyl-4- (1-Methylethylidene) -	
LC50 - for Fish	> 0,702 mg/l/96h
EC50 - for Crustacea	> 0,421 mg/l/48h
EC50 - for Algae / Aquatic Plants	> 0,302 mg/l/72h
Chronic NOEC for Algae / Aquatic Plants	0,273 mg/l freshwater algae
4-Cyclohexyl-2-methyl-2-butanol	
LC50 - for Fish	13 mg/l/96h
EC50 - for Algae / Aquatic Plants	25 mg/l/72h
Oxacyclohexadecan-2-one	
LC50 - for Fish	0,797 mg/l/96h
Chronic NOEC for Fish	0,027 mg/l 33 days
Chronic NOEC for Crustacea	0,068 mg/l 21 days
Chronic NOEC for Algae / Aquatic Plants	0,42 mg/l freshwater algae
Cyclohexanol, 4- (1,1-Dimethylethyl) -, Acetate, cis-	

CULTI MILANO SpA		Revision nr. 6 Dated 02/09/2022 Printed on 02/09/2022 Page n. 26/36 Replaced revision:5 (Dated: 14/06/2022)
FP ARAMARA		
LC50 - for Fish	2,6 mg/l/96h	
EC50 - for Crustacea	4,2 mg/l/48h	
EC50 - for Algae / Aquatic Plants	1,2 mg/l/72h freshwater algae	
Bis (1,2,2,6,6-pentamethyl-4-piperidyl) ((3,5-bis (1,1-dimethylethyl) -4-hydroxyphenyl) methyl) butylmalonate		
LC50 - for Fish	100 mg/l/96h	
EC10 for Algae / Aquatic Plants	61 mg/l/72h Scenedesmus subspicatus	
Bicyclo (2.2.1) Heptane, 2,2-Dimethyl-3-Methylene-		
LC50 - for Fish	0,72 mg/l/96h	
EC50 - for Crustacea	0,72 mg/l/48h	
EC50 - for Algae / Aquatic Plants	1,75 mg/l/72h freshwater algae	
Bicyclo (3.1.1) Heptane, 6,6-Dimethyl-2-Methylene -, (1s) -		
LC50 - for Fish	> 0,502 mg/l/96h	
1h-3a, 7-Methanoazulene, Octahydro-6-Methoxy-3,6,8,8-Tetramethyl -, (3r- (3, Alpha., 3a.Beta., 6.Alpha., 7.Beta., 8aAlpha .))		
LC50 - for Fish	0,43 mg/l/96h	
EC50 - for Crustacea	0,48 mg/l/48h	
12.2. Persistence and degradability		
(R)-P-MENTHA-1,8-DIENE		
Solubility in water	0,1 - 100 mg/l	
Rapidly degradable		
Geraniol		
Solubility in water	100 mg/l	
Rapidly degradable		
Linalool		
Solubility in water	1,56 g/l	
Rapidly degradable		
Methyl-3,4-methylene-dioxydrocinnamaldehyde		
Solubility in water	934 mg/l	
Entirely degradable		
Ethanone, 1- (1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-Tetramethyl-2-Naphtalenyl) -		
Solubility in water	2,68 mg/l	
Rapidly degradable		
Linalyl acetate		
Solubility in water	30 mg/l	

CULTI MILANO SpA		Revision nr. 6 Dated 02/09/2022 Printed on 02/09/2022 Page n. 27/36 Replaced revision:5 (Dated: 14/06/2022)
FP ARAMARA		
Rapidly degradable		
Eugenol		
Solubility in water	1,154 g/l	
Rapidly degradable		
6,7-Dihydro-1,1,2,3,3-pentamethyl-4 (5H) - indanone		
Solubility in water	49,1 mg/l	
NOT rapidly degradable		
Citronellol		
Solubility in water	307 mg/l	
Rapidly degradable		
Eucalyptol		
Solubility in water	2,397 g/l	
Rapidly degradable		
Nerol		
Solubility in water	773,28 mg/l	
Rapidly degradable		
Citral		
Solubility in water	420 mg/l	
Rapidly degradable		
Geranyl acetate		
Solubility in water	29 mg/l	
Rapidly degradable		
Propyl (2s) -2- (1,1-Dimethylpropoxy) - propanoate		
Rapidly degradable		
Oxacyclohexadecen-2-One		
Solubility in water	0,954 mg/l	
Rapidly degradable		
3-Methylcyclopentadecenone		
Solubility in water	0,9 mg/l	
Rapidly degradable		
1,4-Cyclohexadiene, 1-Methyl-4- (1- Methylethyl) -		
Solubility in water	7,44 mg/l	
NOT rapidly degradable		
1,6-Octadiene, 7-Methyl-3-Methylene-		
Solubility in water	5,06 mg/l	
Rapidly degradable		

CULTI MILANO SpA		Revision nr. 6 Dated 02/09/2022 Printed on 02/09/2022 Page n. 28/36 Replaced revision:5 (Dated: 14/06/2022)
FP ARAMARA		
Bicyclo (3.1.1) Hept-2-ene, 2,6,6-Trimethyl -, (1s) - Solubility in water	2,75 mg/l	
Rapidly degradable		
2,6-Octadien-1-ol, 3,7-dimethyl-, acetate, (Z) Solubility in water	34,51 - 773,28 mg/l	
Rapidly degradable		
Cyclohexene, 1-Methyl-4- (1- Methylethylidene) - Solubility in water	5,58 mg/l	
Rapidly degradable		
Oxacyclohexadecan-2-one Solubility in water	0,3 mg/l	
Rapidly degradable		
Bicyclo (7.2.0) Undec-4-Ene, 4,11,11- Trimethyl-8-Methylene-, (1r- (1r *, 4e, 9s *)) Solubility in water	0,088 mg/l	
Rapidly degradable		
Cyclohexanol, 4- (1,1-Dimethylethyl) -, Acetate, cis- Solubility in water	4,16 mg/l	
Rapidly degradable		
Bis (1,2,2,6,6-pentamethyl-4-piperidyl) ((3,5- bis (1,1-dimethylethyl) -4-hydroxyphenyl) methyl) butylmalonate Solubility in water	1 mg/l	
NOT rapidly degradable		
Bicyclo (2.2.1) Heptane, 2,2-Dimethyl-3- Methylene- Solubility in water	4,2 mg/l	
NOT rapidly degradable		
Bicyclo (3.1.1) Heptane, 6,6-Dimethyl-2- Methylene -, (1s) - Solubility in water	6,95 mg/l	
Rapidly degradable		
1h-3a, 7-Methanoazulene, Octahydro-6- Methoxy-3,6,8,8-Tetramethyl -, (3r- (3, Alpha., 3a.Beta., 6.Alpha., 7.Beta., 8aAlpha.)) Solubility in water	4,3 mg/l	
Rapidly degradable		
12.3. Bioaccumulative potential		
(R)-P-MENTHA-1,8-DIENE		
Partition coefficient: n-octanol/water	4,38	
BCF	1022	

FP ARAMARA

Geraniol

Partition coefficient: n-octanol/water 2,6 Log Kow @ 25°C

Linalool

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

Methyl-3,4-methylene-
dioxydrocinnamaldehyde

Partition coefficient: n-octanol/water 2,4 Log Kow @ 25°C

Ethanone, 1- (1,2,3,4,5,6,7,8-Octahydro-
2,3,8,8-Tetramethyl-2-Naphtalenyl) -

Partition coefficient: n-octanol/water 5,65 Log Kow

BCF 5361 L/kg ww

Linalyl acetate

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

BCF 174 L/kg ww

Eugenol

Partition coefficient: n-octanol/water 1,83 Log Kow @ 30°C

6,7-Dihydro-1,1,2,3,3-pentamethyl-4 (5H) -
indanone

Partition coefficient: n-octanol/water 4,2 Log Kow @ 20°C

BCF 191 L/kg ww

Citronellol

Partition coefficient: n-octanol/water 3,41 Log Kow @ 25°C

Eucalyptol

Partition coefficient: n-octanol/water 3,4 Log Kow

BCF 112 L/kg ww

Nerol

Partition coefficient: n-octanol/water 2,76 Log Kow

BCF 35,4 L/kg ww

Cital

Partition coefficient: n-octanol/water 2,76 Log Kow

Geranyl acetate

Partition coefficient: n-octanol/water 4,04 Log Kow

Oxacyclohexadecen-2-One

CULTI MILANO SpA

Revision nr. 6

Dated 02/09/2022

Printed on 02/09/2022

Page n. 30/36

Replaced revision:5 (Dated:
14/06/2022)

FP ARAMARA

BCF > 512,9 L/Kg ww aquatic sediment

3-Methylcyclopentadecenone

Partition coefficient: n-octanol/water 5,52 Log Kow @ 25°C

1,4-Cyclohexadiene, 1-Methyl-4- (1-Methylethyl) -

Partition coefficient: n-octanol/water 5,4 Log Kow

1,6-Octadiene, 7-Methyl-3-Methylene-

Partition coefficient: n-octanol/water 4,82 Log Kow

Bicyclo (3.1.1) Hept-2-ene, 2,6,6-Trimethyl -, (1s) -

Partition coefficient: n-octanol/water 4,48 Log Kow

BCF 855,7 L/kg ww

2,6-Octadien-1-ol, 3,7-dimethyl-, acetate, (Z)

Partition coefficient: n-octanol/water > 2,76 Log Kow

BCF 62,32 L/Kg ww

Cyclohexene, 1-Methyl-4- (1-Methylethylidene) -

Partition coefficient: n-octanol/water 4,35 Log Kow

BCF 639,4 L/Kg ww

Oxacyclohexadecan-2-one

Partition coefficient: n-octanol/water 5,79 Log Kow

Bicyclo (7.2.0) Undec-4-Ene, 4,11,11-Trimethyl-8-Methylene-, (1r- (1r *, 4e, 9s *))

Partition coefficient: n-octanol/water 6,23 Log Kow

Cyclohexanol, 4- (1,1-Dimethylethyl) -, Acetate, cis-

Partition coefficient: n-octanol/water 4,8 Log Kow

BCF 335 L/kg ww

Bis (1,2,2,6,6-pentamethyl-4-piperidyl) ((3,5-bis (1,1-dimethylethyl) -4-hydroxyphenyl)methyl) butylmalonate

Partition coefficient: n-octanol/water > 6,5 Log Kow OECD Test G.L. 117

Bicyclo (2.2.1) Heptane, 2,2-Dimethyl-3-Methylene-

Partition coefficient: n-octanol/water 4,22 Log Kow @ 20°C

Bicyclo (3.1.1) Heptane, 6,6-Dimethyl-2-Methylene -, (1s) -

Partition coefficient: n-octanol/water 4,4 Log Kow

FP ARAMARA

BCF 838 L/kg ww

1h-3a, 7-Methanoazulene, Octahydro-6-Methoxy-3,6,8,8-Tetramethyl -, (3r- (3, Alpha., 3a.Beta., 6.Alpha., 7.Beta., 8aAlpha.))
Partition coefficient: n-octanol/water

5,1 Log Kow @25°C

BCF 1510 L/kg ww terrestrial

12.4. Mobility in soil

Methyl-3,4-methylene-dioxydrocinnamaldehyde

Partition coefficient: soil/water

71,3 Koc @ 20°C

6,7-Dihydro-1,1,2,3,3-pentamethyl-4 (5H) -indanone

Partition coefficient: soil/water

200 Koc @20°C

1,4-Cyclohexadiene, 1-Methyl-4- (1-Methylethyl) -

Partition coefficient: soil/water

3,905

2,6-Octadien-1-ol, 3,7-dimethyl-, acetate, (Z)

Partition coefficient: soil/water

143 Koc @ 20°C

Cyclohexene, 1-Methyl-4- (1-Methylethylidene) -

Partition coefficient: soil/water

1120 Koc @ 20°C

Oxacyclohexadecan-2-one

Partition coefficient: soil/water

44500 Koc @ 20°C

Cyclohexanol, 4- (1,1-Dimethylethyl) -, Acetate, cis-

Partition coefficient: soil/water

3243 Koc @ 20°C

12.5. Results of PBT and vPvB assessment

On 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: 3077

ADR / RID: In accordance with Special Provision 375, this product, when is packed in receptacles of a capacity $\leq$ 5Kg or 5L, is not submitted to ADR provisions.

IMDG: In accordance with Section 2.10.2.7 of IMDG Code, this product, when is packed in receptacles of a capacity $\leq$ 5Kg or 5L, is not submitted to IMDG Code provisions.

IATA: In accordance with SP A197, this product, when is packed in receptacles of a capacity $\leq$ 5Kg or 5L, is not submitted to IATA dangerous goods regulations.

14.2. UN proper shipping name

ADR / RID: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Ethanone, 1- (1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-Tetramethyl-2-Naphtalenyl) -; De-aromatised hydrotreated hydrocarbons)

IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Ethanone, 1- (1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-Tetramethyl-2-Naphtalenyl) -; De-aromatised hydrotreated hydrocarbons)

IATA: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Ethanone, 1- (1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-Tetramethyl-2-Naphtalenyl) -; De-aromatised hydrotreated hydrocarbons)

14.3. Transport hazard class(es)

ADR / RID: Class: 9 Label: 9

IMDG: Class: 9 Label: 9

IATA: Class: 9 Label: 9



14.4. Packing group

ADR / RID, IMDG, IATA: III

14.5. Environmental hazards

ADR / RID: Environmentally Hazardous

IMDG: Marine Pollutant



IATA: Environmentally Hazardous

**14.6. Special precautions for user**

ADR / RID:	HIN - Kemler: 90	Limited Quantities: 5 kg	Tunnel restriction code: (-)
	Special provision: -		
IMDG:	EMS: F-A, S-F	Limited Quantities: 5 kg	
IATA:	Cargo:	Maximum quantity: 400 Kg	Packaging instructions: 956
	Pass.:	Maximum quantity: 400 Kg	Packaging instructions: 956
	Special provision:	A97, A158, A179, A197, A215	

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: E2

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

Product
Point 40

Contained substance
Point 75

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. 3	Flammable liquid, category 3
Flam. Sol. 2	Flammable solid, category 2
Repr. 2	Reproductive toxicity, category 2
Acute Tox. 4	Acute toxicity, category 4
STOT RE 1	Specific target organ toxicity - repeated exposure, category 1
Asp. Tox. 1	Aspiration hazard, category 1
Eye Dam. 1	Serious eye damage, category 1
Eye Irrit. 2	Eye irritation, category 2
Skin Irrit. 2	Skin irritation, category 2
Skin Sens. 1	Skin sensitization, category 1
Skin Sens. 1B	Skin sensitization, category 1B
STOT SE 3	Specific target organ toxicity - single exposure, category 3
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 2	Hazardous to the aquatic environment, chronic toxicity, category 2
H226	Flammable liquid and vapour.
H228	Flammable solid.
H361	Suspected of damaging fertility or the unborn child.
H361f	Suspected of damaging fertility.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H332	Harmful if inhaled.
H372	Causes damage to organs through prolonged or repeated exposure.
H304	May be fatal if swallowed and enters airways.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H336	May cause drowsiness or dizziness.
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.

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
- 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.

CULTI MILANO SpA	Revision nr. 6 Dated 02/09/2022 Printed on 02/09/2022 Page n. 36/36 Replaced revision:5 (Dated: 14/06/2022)
FP ARAMARA	

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.