

FORCENET MICROCAPS CALANQUE

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

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

1.1. Product identifier

Product form : Mixture
Product name : FORCENET MICROCAPS CALANQUE
 : 102751-102761
Product code : Detergent,Biocide
Type of product : Blend
Product group

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

Relevant identified uses

Main use category : Professional use
Industrial/Professional use spec : For professional use only
Use of the substance/mixture : disinfectants
 : Detergent.
 : Deodorant
Function or use category : Biocidal products

1.3. Details of the supplier of the safety data sheet

IPC
10 Quai Malbert 29200 BREST France
Tél : +33(0)2.98.43.45.44
Fax : +33 (0)2.98.44.22.53
ipc@groupe-ipc.com

1.4. Emergency telephone number

Country/Area	Organisation/Company	Address	Emergency number	Comment
France	ORFILA		+33 1 45 42 59 59	This number automatically directs calls to the nearest poison control center, based on the caller's location. These poison and toxicovigilance centers provide free medical assistance (excluding call costs), 24 hours a day, 7 days a week.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flammable liquids Not classified
Skin corrosion/irritation, Category 2 H315
Serious eye damage/eye irritation, Category 1 H318
Skin sensitisation Not classified

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Hazardous to the aquatic environment – Acute Hazard, H400
Category 1

Hazardous to the aquatic environment – Chronic Hazard, H411
Category 2

Full text of H- and EUH-statements: see section 16

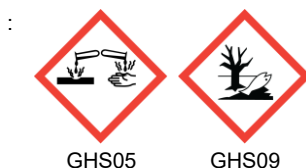
Adverse physicochemical, human health and environmental effects

Causes skin irritation. Causes serious eye damage. Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



Signal word (CLP)

: Danger

Contains

: Alkyl (C12-16) dimethylbenzyl ammonium chloride

Hazard statements (CLP)

: H315 - Causes skin irritation.
H318 - Causes serious eye damage.
H410 - Very toxic to aquatic life with long lasting effects.
Precautionary statements (CLP) : P264 - Wash hands, forearms and face thoroughly after handling.
P280 - Wear protective clothing, eye protection, face protection.
P305+P351+P338+P310 - IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER, a doctor.
P391 - Collect spillage.
EUH-statements : EUH208 - Contains HEXYL CINNAMAL(101-86-0), D-LIMONENE(5989-27-5), LINALOOL(78-70-6). May produce an allergic reaction.

2.3. Other hazards

Contains no PBT and/or vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Comments

: allergen substances :
Gamma-methyl-ionone (N°CAS 127-51-5)
Alcool benzylique (N°CAS 100-51-6)
Benzyl salicylate (N°CAS 118-58-1)
Citronellol (N°CAS 106-22-9/1117-61-9/7540-51-4/26489-01-0)
Eugénol (N°CAS 97-53-0)
Hexyl cinnamal (N°CAS 101-86-0)
D-Limonène (CAS n° 5989-54-8/138-86-3/7705-14-8/5989-27-5)
Linalool (N° CAS : 78-70-6)
This product contains also :
Suspension of microcapsules in aqueous solution.

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Fatty alcohol ethoxylated	CAS-No.: 160875-66-1 EC-No.: 605-233-7 REACH-no: 02-2119549160-47	1 - 5	Eye Dam. 1, H318 Acute Tox. 4 (Oral), H302
HEXYL CINNAMAL	CAS-No.: 101-86-0 EC-No.: 202-983-3 REACH-no: 01-2119533092-50	0.45 – 0.6	Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
Ethanol (Biocide)	CAS-No.: 64-17-5 EC-No.: 200-578-6 EC Index-No.: 603-002-00-5 REACH-no: 01-2119457610-43	0.5	Flam. Liq. 2, H225 Eye Irrit. 2, H319
D-LIMONENE	CAS-No.: 5989-27-5 EC-No.: 227-813-5 EC Index-No.: 601-029-00-7	0.15 – 0.3	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
LINALOOL	CAS-No.: 78-70-6 EC-No.: 201-134-4 EC Index-No.: 603-235-00-2 REACH-no: 01-2119474016-42	0 – 0.15	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317
Alkyl (C12-16) dimethylbenzyl ammonium chloride (Biocide)	CAS-No.: 68424-85-1 EC-No.: 270-325-2 EC Index-No.: 612-140-00-5	3.5	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.

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

Symptoms/effects	: Not expected to present a significant hazard under anticipated conditions of normal use.
Symptoms/effects after skin contact	: Irritation.
Symptoms/effects after eye contact	: Serious damage to eyes.

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

Treat symptomatically.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes.

For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Collect spillage.
Methods for cleaning up : Take up liquid spill into absorbent material.
Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment.
Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool.
Incompatible products : None under normal conditions.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

National occupational exposure and biological limit values

Ethanol (64-17-5)	
France - Occupational Exposure Limits	
Local name	Alcool éthylique
VME (OEL TWA)	1900 mg/m ³
	1000 ppm
VLE (OEL C/STEL)	9500 mg/m ³
	5000 ppm
Remark	Valeurs recommandées/admises
Regulatory reference	Circulaire du Ministère du travail (réf.: INRS ED 984, 2016)

8.2. Exposure controls

Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Personal protection equipment

Personal protective equipment:

Avoid all unnecessary exposure.

Personal protective equipment symbol(s):



Eye and face protection

Eye protection:

Safety glasses

Skin protection

Skin and body protection:

Wear suitable protective clothing

Hand protection:

Protective gloves

Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

Other information:

Do not eat, drink or smoke when using this product. Take off contaminated clothes.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Blue.
Appearance	: Liquid.
Odour	: Pleasant.
Odour threshold	: Not available
Melting point	: Not applicable
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Non flammable.
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: Not available
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: 3.5 – 4
pH solution concentration	: 100 %
Viscosity, kinematic	: Not available
Solubility	: Soluble in water.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: Not available
Relative density	: 0.99+/-0.01
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable

Fatty alcohol ethoxylated (160875-66-1)

Boiling point	> 250 °C
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HEXYL CINNAMAL (101-86-0)

Boiling point	305 °C
Vapour pressure	0.068 Pa 25°C

D-LIMONENE (5989-27-5)

Flash point	51 °C Atm. press.: 1 atm
Vapour pressure	200 Pa Temp.: 298 K

LINALOOL (78-70-6)

Boiling point	198 – 200 °C Source: International Chemical Safety Cards
Flash point	71 °C Source: HSDB
Auto-ignition temperature	235 °C Source: International Chemical Safety Cards
Vapour pressure	21 Pa 25°C Source: International Chemical Safety Cards

Ethanol (64-17-5)

Boiling point	78.3 °C
Auto-ignition temperature	12 °C

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Ethanol (64-17-5)

Vapour pressure	5730 Pa 25°C
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9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Neutral.

10.2. Chemical stability

Stable under normal conditions of storage, handling and use.

10.3. Possibility of hazardous reactions

None under normal conditions.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

No dangerous reactions known.

10.6. Hazardous decomposition products

None under normal conditions.

SECTION 11: Toxicological information

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

Acute toxicity (oral)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	: Not classified (Based on available data, the classification criteria are not met)

Alkyl (C12-16) dimethylbenzyl ammonium chloride (68424-85-1)

LD50 oral rat	300 – 2000 mg/kg
LD50 oral	358 mg/kg bodyweight
LD50 dermal rat	1560 mg/kg
LD50 dermal	1100 mg/kg bodyweight

Fatty alcohol ethoxylated (160875-66-1)

LD50 oral rat	300 – 2000 mg/kg
LD50 oral	> 200 mg/kg bodyweight
ATE CLP (oral)	300 mg/kg bodyweight

HEXYL CINNAMAL (101-86-0)

LD50 oral rat	2450 – 3750 mg/kg
LD50 oral	> 2450 mg/kg bodyweight
LD50 dermal rabbit	> 3000 mg/kg

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HEXYL CINNAMAL (101-86-0)

LD50 dermal	> 3000 mg/kg bodyweight
LC50 Inhalation - Rat (Dust/Mist)	> 5000 mg/l

D-LIMONENE (5989-27-5)

LD50 oral rat	> 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method)
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LINALOOL (78-70-6)

LD50 oral rat	3000 mg/kg Source: OECD Screening Information Data Set
LD50 oral	2790 mg/kg bodyweight
LD50 dermal rabbit	≥ 2000 mg/kg Source: OECD Screening Information Data Set
LD50 dermal	5610 mg/kg bodyweight
ATE CLP (oral)	3000 mg/kg bodyweight

Ethanol (64-17-5)

LD50 oral rat	> 7000 mg/kg
LD50 oral	10470 mg/kg bodyweight
LD50 dermal rabbit	> 15800 mg/kg
LD50 dermal	15800 mg/kg bodyweight
LC50 Inhalation - Rat	124.7 mg/l/4h
LC50 Inhalation - Rat (Dust/Mist)	> 99999 mg/l
ATE CLP (dermal)	15800 mg/kg bodyweight
ATE CLP (vapours)	200 mg/l/4h
ATE CLP (dust,mist)	200 mg/l/4h

Skin corrosion/irritation	: Causes skin irritation. pH: 3.5 – 4
Serious eye damage/irritation	: Causes serious eye damage. pH: 3.5 – 4
Respiratory or skin sensitisation	: Skin sensitization: Not classified.
Additional information	: Based on available data, the classification criteria are not met
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Additional information	: Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)
Additional information	: Based on available data, the classification criteria are not met
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
Additional information	: Based on available data, the classification criteria are not met
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)
Additional information	: Based on available data, the classification criteria are not met
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met)
Additional information	: Based on available data, the classification criteria are not met

LINALOOL (78-70-6)

NOAEL (dermal, rat/rabbit, 90 days)	250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study)
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Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)
Additional information	: Based on available data, the classification criteria are not met

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LINALOOL (78-70-6)

Viscosity, kinematic	5.192 mm ² /s
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11.2. Information on other hazards

Other information

Potential adverse human health effects and symptoms : Based on available data, the classification criteria are not met

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute) : Very toxic to aquatic life.
Hazardous to the aquatic environment, long-term (chronic) : Toxic to aquatic life with long lasting effects.

Alkyl (C12-16) dimethylbenzyl ammonium chloride (68424-85-1)

LC50 - Fish [1]	0.1 – 1 mg/l
EC50 - Crustacea [1]	0.03 mg/l
EC50 - Crustacea [2]	0.01 – 0.1 mg/l Daphnia Magna
EC50 - Other aquatic organisms [1]	0.06 mg/l
EC50 72h - Algae [1]	0.01 – 0.1 mg/l Pseudokirchneriella subcapitata

Fatty alcohol ethoxylated (160875-66-1)

LC50 - Fish [1]	> 1 mg/l
EC50 - Crustacea [1]	10 – 100 mg/l
EC50 - Other aquatic organisms [2]	> 10 mg/l
EC50 72h - Algae [1]	10 – 100 mg/l
NOEC chronic fish	> 1 mg/l

HEXYL CINNAMAL (101-86-0)

LC50 - Fish [1]	0.169 mg/l Source: EPI SUITE
EC50 - Other aquatic organisms [2]	> 0.32 mg/l
EC50 96h - Algae [1]	0.761 mg/l Source: EPI SUITE

D-LIMONENE (5989-27-5)

LC50 - Fish [1]	720 µg/l Test organisms (species): Pimephales promelas
EC50 - Crustacea [1]	0.36 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	≈ 8 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
NOEC (chronic)	0.115 mg/l Test organisms (species): other:For freshwater invertebrates, species frequently include Daphnia magna or Daphnia pulex. Duration: '16 d'

LINALOOL (78-70-6)

LC50 - Fish [1]	46 mg/l Source: International Uniform Chemical Information Database
EC50 - Crustacea [1]	20 mg/l Source: International Uniform Chemical Information Database

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LINALOOL (78-70-6)	
EC50 - Other aquatic organisms [1]	20 mg/l waterflea
EC50 - Other aquatic organisms [2]	88.3 mg/l
EC50 96h - Algae [1]	88.3 mg/l Source: IUCLID
EC50 96h - Algae [2]	156.7 mg/l Test organisms (species): <i>Desmodesmus subspicatus</i> (previous name: <i>Scenedesmus subspicatus</i>)

Ethanol (64-17-5)	
LC50 - Fish [1]	≥ 100 ml/l
EC50 - Crustacea [1]	5414 mg/l OECD 202
EC50 - Other aquatic organisms [1]	5012 mg/l waterflea
EC50 - Other aquatic organisms [2]	275 mg/l

12.2. Persistence and degradability

FORCENET MICROCAPS CALANQUE	
Persistence and degradability	The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

Alkyl (C12-16) dimethylbenzyl ammonium chloride (68424-85-1)	
Persistence and degradability	Rapidly degradable

Fatty alcohol ethoxylated (160875-66-1)	
Persistence and degradability	Rapidly degradable

HEXYL CINNAMAL (101-86-0)	
Persistence and degradability	Rapidly degradable

D-LIMONENE (5989-27-5)	
Persistence and degradability	Rapidly degradable

LINALOOL (78-70-6)	
Persistence and degradability	Rapidly degradable

Ethanol (64-17-5)	
Persistence and degradability	Rapidly degradable

12.3. Bioaccumulative potential

FORCENET MICROCAPS CALANQUE	
Bioaccumulative potential	Not established.

Alkyl (C12-16) dimethylbenzyl ammonium chloride (68424-85-1)	
Partition coefficient n-octanol/water (Log Kow)	< 3

HEXYL CINNAMAL (101-86-0)	
Partition coefficient n-octanol/water (Log Pow)	4.82 Source: EPI SUITE

LINALOOL (78-70-6)	
Partition coefficient n-octanol/water (Log Pow)	2.97 Source: International Chemical Safety Cards

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Ethanol (64-17-5)

Partition coefficient n-octanol/water (Log Pow) -0.32

12.4. Mobility in soil

HEXYL CINNAMAL (101-86-0)

Mobility in soil 2301 Source: EPI SUITE

LINALOOL (78-70-6)

Mobility in soil 76 Source: HSDB

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

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Other information Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecological waste information : Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
UN 3082	UN 3082	UN 3082	UN 3082	UN 3082
14.2. UN proper shipping name				
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	Environmentally hazardous substance, liquid, n.o.s.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Transport document description				
UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Alkyl (C12-16) dimethylbenzyl ammonium chloride), 9, III, (-)	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Alkyl (C12-16) dimethylbenzyl ammonium chloride), 9, III	UN 3082 Environmentally hazardous substance, liquid, n.o.s. (Alkyl (C12-16) dimethylbenzyl ammonium chloride), 9, III	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Alkyl (C12-16) dimethylbenzyl ammonium chloride), 9, III	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Alkyl (C12-16) dimethylbenzyl ammonium chloride), 9, III

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ADR	IMDG	IATA	ADN	RID
14.3. Transport hazard class(es)				
9	9	9	9	9
14.4. Packing group				
III	III	III	III	III
14.5. Environmental hazards				
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: No EmS-No. (Fire): F-A EmS-No. (Spillage): S-F	Dangerous for the environment: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes
No supplementary information available				

14.6. Special precautions for user

Special transport precautions : Transport followed ADR, IMDG and ICAO/IATA

Overland transport

- Classification code (ADR) : M6
- Special provisions (ADR) : 274, 335, 375, 601
- Limited quantities (ADR) : 5I
- Excepted quantities (ADR) : E1
- Packing instructions (ADR) : P001, IBC03, LP01, R001
- Special packing provisions (ADR) : PP1
- Mixed packing provisions (ADR) : MP19
- Portable tank and bulk container instructions (ADR) : T4
- Portable tank and bulk container special provisions (ADR) : TP1, TP29
- Tank code (ADR) : LGBV
- Vehicle for tank carriage : AT
- Transport category (ADR) : 3
- Special provisions for carriage - Packages (ADR) : V12
- Special provisions for carriage - Loading, unloading and handling (ADR) : CV13
- Hazard identification number (Kemler No.) : 90
- Orange plates :

90

3082

Tunnel restriction code (ADR) : -

Transport by sea

- Special provisions (IMDG) : 274, 335, 969
- Limited quantities (IMDG) : 5 L
- Excepted quantities (IMDG) : E1
- Packing instructions (IMDG) : LP01, P001
- Special packing provisions (IMDG) : PP1
- IBC packing instructions (IMDG) : IBC03
- Tank instructions (IMDG) : T4
- Tank special provisions (IMDG) : TP1, TP29
- Stowage category (IMDG) : A

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Air transport

PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y964
PCA limited quantity max net quantity (IATA)	: 30kgG
PCA packing instructions (IATA)	: 964
PCA max net quantity (IATA)	: 450L
CAO packing instructions (IATA)	: 964
CAO max net quantity (IATA)	: 450L
Special provisions (IATA)	: A97, A158, A197, A215
ERG code (IATA)	: 9L

Inland waterway transport

Classification code (ADN)	: M6
Special provisions (ADN)	: 274, 335, 375, 601
Limited quantities (ADN)	: 5 L
Excepted quantities (ADN)	: E1
Carriage permitted (ADN)	: T
Equipment required (ADN)	: PP
Number of blue cones/lights (ADN)	: 0

Rail transport

Classification code (RID)	: M6
Special provisions (RID)	: 274, 335, 375, 601
Limited quantities (RID)	: 5L
Excepted quantities (RID)	: E1
Packing instructions (RID)	: P001, IBC03, LP01, R001
Special packing provisions (RID)	: PP1
Mixed packing provisions (RID)	: MP19
Portable tank and bulk container instructions (RID)	: T4
Portable tank and bulk container special provisions (RID)	: TP1, TP29
Tank codes for RID tanks (RID)	: LGBV
Transport category (RID)	: 3
Special provisions for carriage – Packages (RID)	: W12
Special provisions for carriage - Loading, unloading and handling (RID)	: CW13, CW31
Colis express (express parcels) (RID)	: CE8
Hazard identification number (RID)	: 90

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

EU-Regulations

REACH Annex XVII (Restriction List)

EU restriction list (REACH Annex XVII)	
Reference code	Applicable on
3(a)	D-LIMONENE
3(b)	FORCENET MICROCAPS CALANQUE ; Alkyl (C12-16) dimethylbenzyl ammonium chloride ; Fatty alcohol ethoxylated ; HEXYL CINNAMAL ; D-LIMONENE ; LINALOOL
3(c)	FORCENET MICROCAPS CALANQUE ; Alkyl (C12-16) dimethylbenzyl ammonium chloride ; HEXYL CINNAMAL ; D-LIMONENE

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EU restriction list (REACH Annex XVII)

Reference code	Applicable on
40.	D-LIMONENE

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (2024/590)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

Biocide Regulation (528/2012)

Type of product (Biocide) : 2 - Disinfectants and algacides not intended for direct application to humans or animals
4 - Food and feed area

Detergent Regulation (648/2004)

Labelling of contents	
Component	%
cationic surfactants, non-ionic surfactants	<5%
perfumes	
HEXYL CINNAMAL	
LIMONENE	
LINALOOL	
EUGENOL	
Benzyl salicylate	
BENZYL ALCOHOL	

Allergenic fragrances > 0.01 %:

HEXYL CINNAMAL
LIMONENE
LINALOOL
EUGENOL
BENZYL ALCOHOL

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

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National regulations

France

Occupational diseases	
Code	Description
RG 66	Occupational rhinitis and asthma
RG 84	Conditions caused by liquid organic solvents for professional use: saturated or unsaturated aliphatic or cyclic liquid hydrocarbons and mixtures thereof; liquid halogenated hydrocarbons; nitrated derivatives of aliphatic hydrocarbons; alcohols; glycols, glycol ethers; ketones; aldehydes; aliphatic and cyclic ethers, including tetrahydrofuran; esters; dimethylformamide and dimethylacetamine; acetonitrile and propionitrile; pyridine; dimethylsulfone and dimethylsulfoxide

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Abbreviations and acronyms:	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration

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Abbreviations and acronyms:

RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disruptor

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

Full text of H- and EUH-statements:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1B	Skin sensitisation, category 1B
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.

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Full text of H- and EUH-statements:

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.
EUH208	Contains HEXYL CINNAMAL(101-86-0), D-LIMONENE(5989-27-5), LINALOOL(78-70-6). May produce an allergic reaction.

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

Flam. Liq. Not classified		Expert judgement
Skin Irrit. 2	H315	Calculation method
Eye Dam. 1	H318	Calculation method
Skin Sens. Not classified		Expert judgement
Aquatic Acute 1	H400	Calculation method
Aquatic Chronic 2	H411	Calculation method

The classification complies with : ATP 12

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.