

Safety Data Sheet

According to Annex II to REACH - Regulation (EU) 2020/878

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

1.1. Product identifier

Code: 012A291138
Product name: SENSATIONALL FRESH MEDITERRANEO
UFI: TM63-202S-T006-086V

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

Intended use: Room deodorant

Identified Uses	Industrial	Professional	Consumer
Air freshener	-	✓	✓
Uses Advised Against			
Do not use for purposes other than those indicated			

1.3. Details of the supplier of the safety data sheet

Name: ALLEGRINI S.P.A.
Full address: Vicolo Salvo D'Acquisto, 2
District and Country: 24050 Grassobbio (BG) Italy
Tel.: +39 035 4242111
Fax: +39 035 526588
e-mail address of the competent person responsible for the Safety Data Sheet: msds@allegrini.com

1.4. Emergency telephone number

For urgent inquiries refer to: Allegrini SpA : Tel. +39 035 4242111 Mon - Fri 8.00 - 17.00 GMT +1

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.
Skin sensitization, category 1A	H317	May cause an allergic skin reaction.
Hazardous to the aquatic environment, chronic toxicity, category 2	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

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SECTION 3. Composition/information on ingredients ... / >>

Cedarwood Oil Virginia

INDEX 0,2 ≤ x < 0,25
EC 285-370-3
CAS 8000-27-9

Asp. Tox. 1 H304, Aquatic Acute 1 H400 M=1, Aquatic Chronic 1 H410 M=1

alpha-Amylcinnamal

INDEX 0,15 ≤ x < 0,2
EC 204-541-5
CAS 122-40-7
REACH Reg. 01-2119978288-18

Skin Sens. 1B H317, Aquatic Chronic 2 H411

Cineole

INDEX 0,1 ≤ x < 0,15
EC 207-431-5
CAS 470-82-6
REACH Reg. 01-2119967772-24

Flam. Liq. 3 H226, Skin Sens. 1B H317

Hexyl cinnamal

INDEX 0,1 ≤ x < 0,15
EC 202-983-3
CAS 101-86-0
REACH Reg. 01-2119533092-50

Skin Sens. 1B H317, Aquatic Acute 1 H400 M=1, Aquatic Chronic 2 H411

Linalyl acetate

INDEX 0,1 ≤ x < 0,15
EC 204-116-4
CAS 115-95-7
REACH Reg. 01-2119454789-19

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

[3R-(3α,3aβ,7β,8α)]-2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene

INDEX 0,1 ≤ x < 0,15

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

EC 207-418-4
CAS 469-61-4

(Ethoxymethoxy)cyclododecane

INDEX 0,1 ≤ x < 0,15
EC 261-332-1
CAS 58567-11-6
REACH Reg. 01-2119971571-34

Skin Irrit. 2 H315, Skin Sens. 1B H317, Aquatic Chronic 2 H411

2,4-dimethylcyclohex-3-ene-1-carbaldehyde

INDEX 0,1 ≤ x < 0,15

Eye Irrit. 2 H319, Skin Irrit. 2 H315, Skin Sens. 1 H317, Aquatic Chronic 2 H411

EC 268-264-1
CAS 68039-49-6
REACH Reg. 01-2119982384-28

[3R-(3α,3aβ,6β,7β,8α)]-octahydro-6-methoxy-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene

INDEX 0,1 ≤ x < 0,15

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

EC 243-384-7
CAS 19870-74-7

(E)-1-(2,6,6-trimethyl-1-cyclohexen-1-yl)-2-buten-1-one

INDEX 0,1 ≤ x < 0,15

Skin Irrit. 2 H315, Skin Sens. 1B H317, Aquatic Chronic 2 H411

EC 245-842-1
CAS 23726-91-2

p-methoxybenzyl acetate

INDEX 0,1 ≤ x < 0,15

Skin Sens. 1B H317

EC 203-185-8
CAS 104-21-2
REACH Reg. 01-2120752374-54

Pyridine-2-thiol 1-oxide, sodium salt

INDEX 613-344-00-7 0 < x < 0,05

Acute Tox. 3 H311, Acute Tox. 3 H331, Acute Tox. 4 H302, STOT RE 1 H372, Eye Irrit. 2 H319, Skin Irrit. 2 H315, Skin Sens. 1 H317, Aquatic Acute 1 H400 M=100, Aquatic Chronic 2 H411, EUH070

EC 223-296-5

LD50 Oral: 500 mg/kg, LD50 Dermal: 790 mg/kg, LC50 Inhalation mists/powders: 0,5 mg/l/4h

CAS 3811-73-2
2-methylisothiazol-3(2H)-one

INDEX 613-326-00-9 0,0015 ≤ x < 0,06

Acute Tox. 2 H330, Acute Tox. 3 H301, Acute Tox. 3 H311, Skin Corr. 1B H314, Eye Dam. 1 H318, Skin Sens. 1A H317, Aquatic Acute 1 H400 M=10, Aquatic Chronic 1 H410 M=1, EUH071

EC 220-239-6
CAS 2682-20-4

EUH071: ≥ 5%, Skin Sens. 1A H317: ≥ 0,0015%
ATE Oral: 100 mg/kg, ATE Dermal: 300 mg/kg, ATE Inhalation mists/powders: 0,051 mg/l, ATE Inhalation vapours: 0,501 mg/l

REACH Reg. 01-2120764690-50

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

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

In case of doubt or in the presence of symptoms contact a doctor and show him this document.

In case of more severe symptoms, ask for immediate medical aid.

EYES: Remove, if present, contact lenses if the situation allows you to do so easily. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. Get medical advice/attention.

SKIN: Take off immediately all contaminated clothing. Wash immediately and thoroughly with running water (and soap if possible). Get medical advice/attention. Avoid further contact with contaminated clothing.

INGESTION: Do not induce vomiting unless explicitly authorised by a doctor. Do not give anything by mouth to an unconscious person. Get medical advice/attention.

INHALATION: Remove victim to fresh air, away from the accident scene. Get medical advice/attention.

Rescuer protection

It is good practice for rescuers lending support to a person who has been exposed to a chemical substance or to a mixture to wear personal protective equipment. The nature of such protection depends on the hazard level of the substance or mixture, on the type of exposure and on the extent of the contamination. In the absence of other more specific indications, use of disposable gloves in the event of possible contact with body fluids is recommended. For the type of PPE suitable for the characteristics of the substance or mixture, see section 8.

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

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

DELAYED EFFECTS: Based on the information currently available, there are no known cases of delayed effects following exposure to this product.

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

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

Means to have available in the workplace for specific and immediate treatment

Running water for skin and eye wash.

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**

Block the leakage if there is no hazard.

SECTION 6. Accidental release measures ... / >>

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

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

6.4. Reference to other sections

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

SECTION 7. Handling and storage

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

(Ethoxymethoxy)cyclododecane								
Predicted no-effect concentration - PNEC								
Normal value in fresh water					0,0016	mg/l		
Normal value in marine water					0,00016	mg/l		
Normal value of STP microorganisms					100	mg/l		
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				1,67 mg/kg bw/d				
Inhalation				5,8 mg/m3				23,5 mg/m3
Skin				1,67 mg/kg bw/d				3,3 mg/kg/d

SECTION 8. Exposure controls/personal protection ... / >>

Cineole

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
Normal value for marine water sediment	0,1425	mg/kg
Normal value of STP microorganisms	10	mg/l
Normal value for the terrestrial compartment	0,25	mg/kg

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers		Chronic local	Chronic systemic	Effects on workers		Chronic local	Chronic systemic
	Acute local	Acute systemic			Acute local	Acute 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

Hexyl cinnamal

Predicted no-effect concentration - PNEC

Normal value in fresh water	0,00126	mg/l
Normal value in marine water	0,00012	mg/l
	6	
Normal value for fresh water sediment	3,2	mg/kg
Normal value for marine water sediment	0,064	mg/kg
Normal value of STP microorganisms	10	mg/l
Normal value for the terrestrial compartment	9,51	mg/kg

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers		Chronic local	Chronic systemic	Effects on workers		Chronic local	Chronic systemic
	Acute local	Acute systemic			Acute local	Acute systemic		
Oral				0,056 mg/kg bw/d				
Inhalation	4,71 mg/m3			0,019 mg/m3	6,28 mg/m3			0,078 mg/m3
Skin	0,0787 mg/cm2		0,0787 mg/cm2	9,11 mg/kg/d			0,525 mg/cm2	18,2 mg/kg/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
Normal value for marine water sediment	0,0609	mg/kg
Normal value of STP microorganisms	10	mg/l
Normal value for the terrestrial compartment	0,115	mg/kg

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers		Chronic local	Chronic systemic	Effects on workers		Chronic local	Chronic systemic
	Acute local	Acute systemic			Acute local	Acute systemic		
Inhalation				0,68 mg/m3				2,75 mg/m3
Skin	8 mg/cm2		8 mg/cm2		8 mg/cm2		8 mg/cm2	2,5 mg/kg bw/d

SECTION 8. Exposure controls/personal protection ... / >>

Octahydro tetramethyl acetone

Predicted no-effect concentration - PNEC

Normal value in fresh water	0,0028	mg/l
Normal value in marine water	0,00028	mg/l
Normal value for fresh water sediment	3,73	mg/kg
Normal value for marine water sediment	0,75	mg/kg
Normal value of STP microorganisms	10	mg/l
Normal value for the terrestrial compartment	2,7	mg/kg

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers		Effects on workers		Chronic systemic	Chronic systemic	Chronic systemic	Chronic systemic
	Acute local	Acute systemic	Chronic local	Chronic systemic				
Oral				3 mg/kg/d				
Inhalation				9 mg/m3			30 mg/m3	
Skin				17,2 mg/kg/d			28,7 mg/kg/d	

Reaction mass of 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,4,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one

Predicted no-effect concentration - PNEC

Normal value in fresh water	0,00044	mg/l
Normal value in marine water	0,0044	mg/l
Normal value for fresh water sediment	3,73	mg/kg
Normal value for marine water sediment	0,75	mg/kg
Normal value for the terrestrial compartment	2,7	mg/kg

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers		Effects on workers		Chronic systemic	Chronic systemic	Chronic systemic	Chronic systemic
	Acute local	Acute systemic	Chronic local	Chronic systemic				
Oral				3 mg/kg/d				
Inhalation				9 mg/m3			30 mg/m3	
Skin				17,2 mg/kg/d			28,7 mg/kg/d	

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified ; LOW = low hazard ; MED = medium hazard ; HIGH = high hazard.

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

Protect hands with category III work gloves.

The following should be considered when choosing work glove material (see standard EN 374): compatibility, degradation, permeability time.

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

SKIN PROTECTION

Wear category 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 ISO 16321).

RESPIRATORY PROTECTION

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. Use a mask with a type A filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387).

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

ENVIRONMENTAL EXPOSURE CONTROLS

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SECTION 8. Exposure controls/personal protection ... / >>

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.
Product residues must not be indiscriminately disposed of with waste water or by dumping in waterways.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Information
Appearance	liquid	
Colour	yellow	
Odour	characteristic	
Melting point / freezing point	not available	
Initial boiling point	100 °C	
Flammability	not available	
Lower explosive limit	not available	
Upper explosive limit	not available	
Flash point	> 60 °C	
Auto-ignition temperature	not available	
Decomposition temperature	not available	
pH	5	
Kinematic viscosity	not available	
Solubility	not available	
Partition coefficient: n-octanol/water	not available	
Vapour pressure	not available	
Density and/or relative density	1,015 g/cm3	
Relative vapour density	not available	
Particle characteristics	not applicable	

9.2. Other information

9.2.1. Information with regard to physical hazard classes

Information not available

9.2.2. Other safety characteristics

Information not available

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

No hazardous reactions are foreseeable in normal conditions of use and storage.

10.4. Conditions to avoid

None in particular. However the usual precautions used for chemical products should be respected.

10.5. Incompatible materials

Information not available

10.6. Hazardous decomposition products

Information not available

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 1272/2008

Metabolism, 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)

(Ethoxymethoxy)cyclododecane	
LD50 (Dermal):	> 5000 mg/kg Rabbit
LD50 (Oral):	> 5000 mg/kg Rat

Alcohols, C12-15, branched and linear, ethoxylated	
LD50 (Oral):	< 2000 mg/kg Rat

alpha-Amylcinnamal	
LD50 (Dermal):	2000 mg/kg
LD50 (Oral):	3730 mg/kg

Hexyl cinnamal	
LD50 (Dermal):	> 3000 mg/kg Rabbit
LD50 (Oral):	3100 mg/kg Rat

Linalyl acetate	
LD50 (Dermal):	> 5000 mg/kg Rabbit
LD50 (Oral):	9000 mg/kg Rat

Pyridine-2-thiol 1-oxide, sodium salt	
LD50 (Dermal):	790 mg/kg
LD50 (Oral):	500 mg/kg
LC50 (Inhalation mists/powders):	0,5 mg/l/4h polveri/nebbie

Octahydro tetramethyl acetone	
LD50 (Dermal):	> 5000 mg/kg Rabbit
LD50 (Oral):	> 5000 mg/kg Rat

Reaction mass of 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,4,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and 1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	
LD50 (Dermal):	> 5000 mg/kg Rabbit
LD50 (Oral):	> 5000 mg/kg Rat

SECTION 11. Toxicological information ... / >>

(E)-1-(2,6,6-trimethyl-1-cyclohexen-1-yl)-2-buten-1-one
LD50 (Oral): 2000 mg/kg

(Ethoxymethoxy)cyclododecane
NOAEL oral:> 50 mg / kg (Rat)

SKIN CORROSION / IRRITATION

Does not meet the classification criteria for this hazard class

SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye irritation

RESPIRATORY OR SKIN SENSITISATION

Sensitising for the skin

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

STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

Route of exposure

Hexyl cinnamal
Oral NOAEL: 100 mg/kg rat

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

Route of exposure

Hexyl cinnamal
Oral NOAEL: 150 mg/kg bw/d rat (14d)
Dermal LOAEL: 125 mg/kg bw/d rabbit (90d)

Linalyl acetate
NOAEL oral: 117 mg / kg rat

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 has negative effects on the aquatic environment.

12.1. Toxicity

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SECTION 12. Ecological information ... / >>

(Ethoxymethoxy)cyclododecane
EC50 alga: 53 mg / l (96h)

(Ethoxymethoxy)cyclododecane
LC50 - for Fish 1,9 mg/l/96h
EC50 - for Crustacea 1,6 mg/l/48h Daphnia magna

Alcohols, C12-15, branched and linear, ethoxylated
Chronic NOEC for Fish > 0,1 mg/l Carassius Auratus
Chronic NOEC for Crustacea > 0,1 mg/l Daphnia
Chronic NOEC for Algae / Aquatic Plants > 0,1 mg/l

Cineole
LC50 - for Fish 57 mg/l/96h
EC50 - for Crustacea 100 mg/l/48h
EC50 - for Algae / Aquatic Plants 74 mg/l/72h

Hexyl cinnamal
LC50 - for Fish 1,7 mg/l/96h

Linalyl acetate
LC50 - for Fish 7,9 mg/l/96h
EC50 - for Crustacea 15 mg/l/48h Daphnia magna
EC50 - for Algae / Aquatic Plants 62 mg/l/72h

Octahydro tetramethyl acetone
LC50 - for Fish 1,3 mg/l/96h
EC50 - for Crustacea 1,4 mg/l/48h Daphnia magna
EC50 - for Algae / Aquatic Plants 2,6 mg/l/72h
Chronic NOEC for Fish 0,16 mg/l 30d
Chronic NOEC for Crustacea 0,028 mg/l 21d (Daphnia magna)

Reaction mass of 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and
1-(1,2,3,4,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one and
1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one
LC50 - for Fish 1,3 mg/l/96h
EC50 - for Crustacea 1,38 mg/l/48h Daphnia magna
EC50 - for Algae / Aquatic Plants 2,6 mg/l/72h
Chronic NOEC for Fish 0,16 mg/l
Chronic NOEC for Crustacea 0,028 mg/l

12.2. Persistence and degradability

(Ethoxymethoxy)cyclododecane
Biodegradability: 5% (28d) (OECD 301B)

Alcohols, C12-15, branched and linear, ethoxylated
Biodegradability: 70% (28d) (OECD 301F)

Hexyl cinnamal
Biodegradability: 97% (28d) (OECD 301F)

Linalyl acetate
Biodegradability: 70-80% (28d) (OECD 301F)

Octahydro tetramethyl acetone
Biodegradability: 11% (28d) (OECD 301C)

(Ethoxymethoxy)cyclododecane
NOT rapidly degradable

Alcohols, C12-15, branched and linear, ethoxylated
Rapidly degradable 70%

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SECTION 12. Ecological information ... / >>

Cineole
Rapidly degradable

Hexyl cinnamal
Rapidly degradable

Linalyl acetate
Rapidly degradable

Octahydro tetramethyl acetone
NOT rapidly degradable

Reaction mass of 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8-tetramethyl-2-naphthyl)ethan-1-one and
1-(1,2,3,4,6,7,8,8a-octahydro-2,3,8-tetramethyl-2-naphthyl)ethan-1-one and
1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8-tetramethyl-2-naphthyl)ethan-1-one
NOT rapidly degradable

12.3. Bioaccumulative potential

(Ethoxymethoxy)cyclododecane
Log Pow: 5.4

Cineole
Log Pow: 2.97

Hexyl cinnamal
Log Pow: 4,866

Linalyl acetate
Log Pow: 3.9

Octahydro tetramethyl acetone
Log Pow: 5.65

Octahydro tetramethyl acetone
BCF 391

12.4. Mobility in soil

Information not available

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.
The management of waste arising from the use or dispersal of this product must be organised in accordance with occupational safety regulations. See section 8 for possible need for PPE.
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: UN 3082

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, LIQUID, N.O.S. (Octahydro tetramethyl acetone; Cedarwood Oil Virginia)

IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Octahydro tetramethyl acetone; Cedarwood Oil Virginia)

IATA: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Octahydro tetramethyl acetone; Cedarwood Oil Virginia)

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 lt
Special provision: 274, 335, 375, 601
IMDG: EMS: F-A, S-F Limited Quantities: 5 lt
Cargo: Maximum quantity: 450 L
IATA: Passengers: Maximum quantity: 450 L
Special provision: A97, A158, A197, A215

Tunnel restriction code: (-)

Packaging instructions: 964
Packaging instructions: 964

14.7. Maritime transport in bulk according to IMO instruments

012A291138 - SENSATIONALL FRESH MEDITERRANEO

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 3 - 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
Acute Tox. 2	Acute toxicity, category 2
Acute Tox. 3	Acute toxicity, category 3
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
Skin Corr. 1B	Skin corrosion, category 1B
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. 1A	Skin sensitization, category 1A
Skin Sens. 1B	Skin sensitization, category 1B
Aquatic Acute 1	Hazardous to the aquatic environment, acute toxicity, category 1
Aquatic Chronic 1	Hazardous to the aquatic environment, chronic toxicity, category 1
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic toxicity, category 2
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic toxicity, category 3
H226	Flammable liquid and vapour.
H330	Fatal if inhaled.
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H331	Toxic if inhaled.
H302	Harmful if swallowed.
H372	Causes damage to organs through prolonged or repeated exposure.

SECTION 16. Other information ... / >>

H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH070	Toxic by eye contact.
EUH071	Corrosive to the respiratory tract.

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
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PMT: Persistent, mobile and toxic
- 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
- vPvM: Very persistent and very mobile
- 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)

SECTION 16. Other information ... / >>

- 21. Delegated Regulation (UE) 2021/849 (XVII Atp. CLP)
- 22. Delegated Regulation (UE) 2022/692 (XVIII Atp. CLP)
- 23. Delegated Regulation (UE) 2023/707
- 24. Delegated Regulation (UE) 2023/1434 (XIX Atp. CLP)
- 25. Delegated Regulation (UE) 2023/1435 (XX Atp. CLP)
- 26. Delegated Regulation (UE) 2024/197 (XXI 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.

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:

14.