



SAFETY DATA SHEET

PROFUMATORE PER BUCATO ANGEL BREATH

Issued on 05/15/2020 - Rel. # 3 on 01/28/2022

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In conformity to Regulation (EU) 2020/878

SECTION1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product code : PROFUMATORE PER BUCATO ANGEL BREATH

UFI: Y520-M0CX-000Q-6HHY

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

Perfume for laundry with sanitizing action.

Sectors of use:

Private households (= general public = consumers)[SU21]

Uses advised against

Do not use for purposes other than those listed

1.3. Details of the supplier of the safety data sheet

ESSENTIA S.r.L.

via M. Curie 8 - 20060 Gessate (MI) - Italia

Tel. +39 348 6506986 - +39 335 202508

e-mail: info@essentia.top - web: www.essentia.top

Persona competente responsabile SDS/Competent person responsible for SDS: info@essentia.top

National contact: Loveforlaundry Ltd

1.4. Emergency telephone number

+44 20 3835 3375

SECTION2. Hazards identification

2.1. Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No 1272/2008:

Pictograms:

GHS07, GHS09

Hazard Class and Category Code(s):

Skin Sens. 1B, Aquatic Chronic 2

Hazard statement Code(s):

H317 - May cause an allergic skin reaction.

H411 - Toxic to aquatic life with long lasting effects.

The product, if brought into contact with skin can cause skin sensitization.

The product is dangerous to the environment as it is toxic to aquatic life with long lasting effects

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008:

Pictogram, Signal Word Code(s):

GHS07, GHS09 - Warning





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Hazard statement Code(s):
H317 - May cause an allergic skin reaction.
H411 - Toxic to aquatic life with long lasting effects.

Supplemental Hazard statement Code(s):
not applicable

Precautionary statements:

General

P101 - If medical advice is needed, have product container or label at hand.

P102 - Keep out of reach of children.

Prevention

P273 - Avoid release to the environment.

Response

P302+P352 - IF ON SKIN: Wash with plenty of water.

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

Disposal

P501 - Dispose of contents/container in accordance with local/regional/national/international regulation.

Contains:

α -hexylcinnamaldehyde, 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one, Linalool, Coumarin, Linalyl acetate, d-limonene, Hexylsalicylate, 3-p-Cumenyl-2-methylpropionaldehyde, beta-caryophyllene, Citral, 1-(2,6,6-trimethyl-3-cyclohexen-1-yl)-2-buten-1-one, 3-methyl butanol

Contains (Reg.EC 648/2004):

> 30% perfumes, \geq 15% < 30% non-ionic surfactants, < 5% α -hexylcinnamaldehyde, Linalool, Coumarin, d-limonene, Citral

UFI: Y520-M0CX-000Q-6HHY

2.3. Other hazards

Based on the available data, no PBT or vPvB substances are present in accordance with Regulation (EC) 1907/2006, annex XIII

No information on other hazards

SECTION3. Composition/information on ingredients

3.1 Substances

Irrilevant

3.2 Mixtures

Refer to paragraph 16 for full text of hazard statements

Note C - Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.

Substance	% (w/w)	Classification	ID
1-methoxypropan-2-ol	\geq 16,60 < 19,40%	Flam. Liq. 3, H226; STOT SE 3, H336 ATE oral = 5.300,0 mg/kg ATE dermal = 13.000,0 mg/kg	INDEX 603-064-00-3 CAS 107-98-2 CE 203-539-1



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Substance	% (w/w)	Classification	ID
		ATE inhal = 54,6mg/l/4 h	REACH 01-2119457435-35-XXXX
α -hexylcinnamaldehyde	>= 3,20 < 4,00%	Skin Sens. 1, H317; Aquatic Acute 1, H400; Aquatic Chronic 2, H411 Acute toxicity M-factor = 1 Chronic toxicity M-factor = 1 ATE oral = 3.100,0 mg/kg	INDEX ND CAS 101-86-0 CE 202-983-3 REACH 01-2119533092-50-XXXX
octahydro tetramethyl acetone	>= 3,10 < 3,90%	Skin Irrit. 2, H315; Skin Sens. 1B, H317; Aquatic Chronic 1, H410 Acute toxicity M-factor = 1 Chronic toxicity M-factor = 1 ATE oral > 5.000,0 mg/kg ATE dermal > 5.000,0 mg/kg	INDEX ND CAS 54464-57-2 CE 259-174-3 REACH 01-2119489989-04-XXXX
Linalool	>= 1,00 < 1,81%	Skin Irrit. 2, H315; Skin Sens. 1B, H317; Eye Irrit. 2, H319 ATE oral = 2.790,0 mg/kg ATE dermal = 5.160,0 mg/kg	INDEX ND CAS 78-70-6 CE 201-134-4 REACH 01-2119474016-42-XXXX
Coumarin	>= 0,61 < 0,89%	Acute Tox. 4, H302; Skin Sens. 1, H317; Aquatic Chronic 3, H412 Chronic toxicity M-factor = 1 ATE oral = 293,0 mg/kg	INDEX ND CAS 91-64-5 CE 202-086-7 REACH 01-2119943756-26-XXXX
Linalyl acetate	>= 0,56 < 0,84%	Skin Irrit. 2, H315; Skin Sens. 1B, H317; Eye Irrit. 2, H319 ATE oral = 13.934,0 mg/kg ATE dermal > 5.000,0 mg/kg	INDEX ND CAS 115-95-7 CE 204-116-4 REACH 01-2119454789-19-XXXX
d-limonene Note: C	>= 0,35 < 0,63%	Flam. Liq. 3, H226; Asp. Tox. 1, H304; Skin Irrit. 2, H315; Skin Sens. 1, H317; Aquatic Acute 1, H400; Aquatic Chronic 1, H410 ATE oral = 4.400,0 mg/kg	INDEX 601-029-00-7 CAS 5989-27-5 CE 227-813-5 REACH 01-2119529223-47-XXXX
Hexylsalicylate	>= 0,31 < 0,59%	Skin Irrit. 2, H315; Skin Sens. 1, H317; Aquatic Acute 1, H400; Aquatic Chronic 1, H410 Acute toxicity M-factor = 1 Chronic toxicity M-factor = 1	INDEX ND CAS 6259-76-3 CE 228-408-6 REACH 01-2119638275-36-XXXX
3-p-Cumenyl-2-methylpropionaldehyde	>= 0,26 < 0,54%	Skin Irrit. 2, H315; Skin Sens. 1B, H317; Aquatic Chronic 3, H412 Acute toxicity M-factor = 1 Chronic toxicity M-factor = 1 ATE oral > 5.000,0 mg/kg ATE dermal > 5.000,0 mg/kg	INDEX ND CAS 103-95-7 CE 203-161-7 REACH 01-2119970582-32-XXXX
beta-caryophyllene	>= 0,21 < 0,49%	Asp. Tox. 1, H304; Skin Sens. 1B, H317; Aquatic Chronic 4, H413 Acute toxicity M-factor = 1 Chronic toxicity M-factor = 1	INDEX ND CAS 87-44-5 CE 201-746-1 REACH ND
Citral	>= 0,10 < 0,24%	Skin Irrit. 2, H315; Skin Sens. 1, H317; Eye Irrit. 2, H319 ATE oral = 4.950,0 mg/kg ATE dermal = 2.250,0 mg/kg	INDEX 605-019-00-3 CAS 5392-40-5 CE 226-394-6 REACH 01-2119462829-23-XXXX
1-(2,6,6-trimethyl-3-cyclohexen-1-yl)-2-buten-1-one	< 0,10%	Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1A, H317; Aquatic Acute 1, H400; Aquatic Chronic 1, H410 Acute toxicity M-factor = 1 Chronic toxicity M-factor = 1	INDEX ND CAS 57378-68-4 CE 260-709-8 REACH ND
3-methyl butanol	< 0,10%	Flam. Liq. 3, H226; Acute Tox. 4, H332	INDEX ND CAS 123-51-3 CE 204-633-5 REACH ND

SECTION 4. First aid measures

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4.1. Description of first aid measures

Inhalation:

Air the area. Move immediately the contaminated patient from the area and keep him at rest in a well ventilated area. If you feel unwell seek medical advice.

Direct contact with skin (of the pure product):

In case of contact with skin, wash immediately with water.

Direct contact with eyes (of the pure product):

Wash immediately and thoroughly with running water for at least 10 minutes.

Ingestion:

Rinse mouth with water of the subject. Consult a physician.

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

No data available.

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

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

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

SECTION5. Firefighting measures

5.1. Extinguishing media

Advised extinguishing agents:

Water spray, CO2, foam, dry chemical, depending on the materials involved in the fire.

Extinguishing means to avoid:

Water jets. Use water jets only to cool the surfaces of the containers exposed to fire.

5.2. Special hazards arising from the substance or mixture

No data available.

5.3. Advice for firefighters

Use protection for the breathing apparatus

Safety helmet and full protective suit.

The spray water can be used to protect the people involved in the extinction

You may also use selfrespirator, especially when working in confined and poorly ventilated area and if you use halogenated extinguishers (Halon 1211 fluobrene, Solkan 123, NAF, etc...)

Keep containers cool with water spray

SECTION6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel:

Wear gloves and protective clothing

6.1.2 For emergency responders:

Wear gloves and protective clothing

Eliminate all unguarded flames and possible sources of ignition. No smoking.

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Provision of sufficient ventilation.
Evacuate the danger area and, in case, consult an expert.

6.2. Environmental precautions

Contain spill with earth or sand.
If the product has entered a watercourse in sewers or has contaminated soil or vegetation, notify it to the the authorities.
Discharge the remains in compliance with the regulations

6.3. Methods and material for containment and cleaning up

6.3.1 For containment:
Recover the product for reuse, if possible, or for removal. Possibly absorb it with inert material.
Prevent it from entering the sewer system.

6.3.2 For cleaning up:
After wiping up, wash the area and materials involved

6.3.3 Other information:
None in particular.

6.4. Reference to other sections

Refer to paragraphs 8 and 13 for more information

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Avoid contact and inhalation of vapors
At work do not eat or drink.
Contaminated work clothing should not be allowed out of the workplace.
Wear protective gloves/protective clothing/eye protection/face protection.
See also paragraph 8 below.

7.2. Conditions for safe storage, including any incompatibilities

Keep in original container closed tightly. Do not store in open or unlabeled containers.
Keep containers upright and safe by avoiding the possibility of falls or collisions.
Store in a cool place, away from sources of heat and direct exposure of sunlight.

7.3. Specific end use(s)

Private households (= general public = consumers):
Handle in a well ventilated area.

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Related to contained substances:
1-methoxypropan-2-ol:
TLV-TWA=100 ppm; 369 mg/m³ (ACGIH 1997).
TLV-STEL=150 ppm; 553 mg/m³ (ACGIH 1997).
OEL-TWA=100 ppm; 375 mg/m³ (EU).
OEL-STEL=150 ppm; 568 mg/m³ (EU).

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d-limonene:

MAK: 20 110 mg/m ppm skin sensitization (Sh); Peak limitation category: II (2); Risk group for pregnancy: C; (DFG 2005).

3-methyl butanol:

ACGIH - TWA(8h): 100 ppm - STEL: 125 ppm - Note: Eye and URT irr
UE - TWA(8h): 18 mg/m³, 5 ppm - STEL: 37 mg/m³, 10 ppm

- Substance: 1-methoxypropan-2-ol

DNEL

Systemic effects Long term Workers inhalation = 369 (mg/m³)

Systemic effects Long term Workers dermal = 50,6 (mg/kg bw/day)

Systemic effects Long term Consumers inhalation = 43,9 (mg/m³)

Systemic effects Long term Consumers dermal = 18,1 (mg/kg bw/day)

Systemic effects Long term Consumers oral = 3,3 (mg/kg bw/day)

Local effects Short term Workers inhalation = 553,5 (mg/m³)

PNEC

Sweet water = 10 (mg/l)

sediment Sweet water = 52,3 (mg/kg/sediment)

Sea water = 1 (mg/l)

sediment Sea water = 5,23 (mg/kg/sediment)

intermittent emissions = 100 (mg/l)

STP = 100 (mg/l)

ground = 4,59 (mg/kg ground)

- Substance: Linalool

DNEL

Systemic effects Long term Workers inhalation = 3,5 (mg/m³)

Systemic effects Long term Workers dermal = 24,58 (mg/kg bw/day)

Systemic effects Long term Consumers inhalation = 4,33 (mg/m³)

Systemic effects Long term Consumers dermal = 1,25 (mg/kg bw/day)

Systemic effects Long term Consumers oral = 2,49 (mg/kg bw/day)

PNEC

Sweet water = 0,2 (mg/l)

sediment Sweet water = 2,22 (mg/kg/sediment)

Sea water = 0,02 (mg/l)

sediment Sea water = 0,22 (mg/kg/sediment)

intermittent emissions = 2 (mg/l)

STP = 10 (mg/l)

ground = 0,327 (mg/kg ground)

- Substance: Linalyl acetate

DNEL

Systemic effects Long term Workers inhalation = 2,75 (mg/m³)

Systemic effects Long term Workers dermal = 2,5 (mg/kg bw/day)

Systemic effects Long term Consumers inhalation = 0,68 (mg/m³)

Systemic effects Long term Consumers dermal = 1,25 (mg/kg bw/day)

Systemic effects Long term Consumers oral = 0,2 (mg/kg bw/day)

PNEC

Sweet water = 0,011 (mg/l)

sediment Sweet water = 0,609 (mg/kg/sediment)

Sea water = 0,001 (mg/l)

sediment Sea water = 0,061 (mg/kg/sediment)

intermittent emissions = 0,11 (mg/l)

STP = 1 (mg/l)

ground = 0,0115 (mg/kg ground)

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- Substance: d-limonene

DNEL

Systemic effects Long term Workers inhalation = 66,7 (mg/m³)

Systemic effects Long term Workers dermal = 9,5 (mg/kg bw/day)

Systemic effects Long term Consumers inhalation = 16,6 (mg/m³)

Systemic effects Long term Consumers dermal = 4,8 (mg/kg bw/day)

Systemic effects Long term Consumers oral = 4,8 (mg/kg bw/day)

PNEC

Sweet water = 0,014 (mg/l)

sediment Sweet water = 3,85 (mg/kg/sediment)

Sea water = 0,0014 (mg/l)

sediment Sea water = 0,385 (mg/kg/sediment)

STP = 1,8 (mg/l)

ground = 0,763 (mg/kg ground)

8.2. Exposure controls

Appropriate engineering controls:

Private households (= general public = consumers):

Observe usual safety precautions in the handling of chemicals.

Individual protection measures:

a) Eye / face protection

Not needed for normal use.

b) Skin protection

i) Hand protection

Not needed for normal use.

ii) Other

Wear normal work clothing.

c) Respiratory protection

Not needed for normal use.

d) Thermal hazards

No hazard to report

Environmental exposure controls:

Use according to good working practices to avoid pollution into the environment.

SECTION9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical and chemical properties	Value	Determination method
Physical state	Liquid	
Colour	Yellow	

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Physical and chemical properties	Value	Determination method
Odour	Characteristic	
Odour threshold	Undefined	
Melting point/freezing point	Undefined	
Boiling point or initial boiling point and boiling range	Undefined	
Flammability	Undefined	
Lower and upper explosion limit	Undefined	
Flash point	>61°C	
Auto-ignition temperature	Undefined	
Decomposition temperature	Undefined	
pH	Undefined	
Kinematic viscosity	Undefined	
Solubility	Undefined	
Water solubility	Hydrodispersible	
Partition coefficient n-octanol/water (log value)	Undefined	
Vapour pressure	Undefined	
Density and/or relative density	0,999 +/- 0,01 (20°C)	
Relative vapour density	Undefined	
Particle characteristics	Irrelevant	

9.2. Other information

9.2.1 Information with regard to physical hazard classes

Irrilevant

9.2.2 Other safety characteristics

Irrilevant

SECTION 10. Stability and reactivity

10.1. Reactivity

Related to contained substances:

1-methoxypropan-2-ol:

It absorbs and dissolves in water and organic solvents, different plastic melts, and stable but with the air may gradually form explosive peroxides.

10.2. Chemical stability

No hazardous reaction when handled and stored according to provisions.

10.3. Possibility of hazardous reactions

There are no hazardous reactions



10.4. Conditions to avoid

Related to contained substances:

1-methoxypropan-2-ol:

Avoid overheating, electrostatic discharge, as well as any source of ignition.

Avoid exposure to air.

10.5. Incompatible materials

Nothing to report.

10.6. Hazardous decomposition products

Does not decompose when used for intended uses.

SECTION 11. Toxicological information

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

ATE(mix) oral = 39.066,7 mg/kg

ATE(mix) dermal = ∞

ATE(mix) inhal = ∞

- (a) acute toxicity: based on available data, the classification criteria are not met.
- (b) skin corrosion/irritation: d-limonene: Irritating
- (c) serious eye damage/irritation: d-limonene: Mildly irritating
- (d) respiratory or skin sensitisation: The product, if brought into contact with skin can cause skin sensitization.
- (e) germ cell mutagenicity: based on available data, the classification criteria are not met.
- (f) carcinogenicity: based on available data, the classification criteria are not met.
- (g) reproductive toxicity: based on available data, the classification criteria are not met.
- (h) specific target organ toxicity (STOT) single exposure: based on available data, the classification criteria are not met.
- (i) specific target organ toxicity (STOT) repeated exposure: based on available data, the classification criteria are not met.
- (j) aspiration hazard: based on available data, the classification criteria are not met.

Related to contained substances:

1-methoxypropan-2-ol:

In animals, irrespective of the route of administration, the observed symptoms are caused by an action at the level of the central nervous system with sleepiness until unconsciousness, ataxia and convulsions. You can have the death by respiratory failure. The relatively rapid percutaneous penetration and high, in particular compared to other organic solvents. The skin after contact, becomes four times more permeable to other substances.

In humans, the exposure to the substance at doses equal to or greater than 100 ppm, carried out on volunteers, causes irritation of the mucous membranes of the nasal and ocular, oral Airways. In a person exposed to gradually increasing concentrations, from 1 to 2 ppm in 2050 hours, we noticed the presence of a major tear hypersecretion with Blepharospasm and nasal congestion oropharyngeal and accompanied by pain. After 15 minutes of exposure hanging nasal and oropharyngeal pain subside; After an hour the irritation and nasal congestion lasts for 24 hours. Clinical and biological examinations carried out on those exposed have not revealed any abnormality.

Other effects (e.g. with a narcotic effect); Not available.

Other: metabolism, kinetics, mechanism of action, etc.;

It is absorbed via the respiratory, digestive and skin. The complete solubility in water and then the high coefficient of blood/air Division promotes its penetration due to respiratory failure. Blood rates are not proportional to the exposure. The substance is concentrated mainly in the liver where it causes an increase in organ weight and an increase in microsomal enzyme activities.

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The metabolism of ether propylene glycol monomethyl ethers mainly hepatic.
The main potential routes of exposure are inhalation and skin contact. Percutaneous absorption rapid and important.
Not been shown any power-sensitizing of the substance.
In animals the most observed effects include central nervous system depression, weight gain of the liver and kidneys, decreased body weight and increased urinary pH. The narcosis appears in the first few weeks of intoxication and then disappears. In the literature are not reported long-term effects in humans. Has degreasing power liquid skin.
All tests are performed in vitro negative results. Are not described in vivo test.
The substance has no effect on testicular activity and has only a weak potential for alteration in fetal development.
LD50 (rat) Oral (mg/kg body weight) = 5300
LD50 Dermal (rat or rabbit) (mg/kg body weight) = 13000
CL50 Inhalation (rat) vapour/dust/mist/fume (mg/l/4h) or gas (ppmV/4h) = 54,6

α -hexylcinnamaldehyde:

LD50 (rat) Oral (mg/kg body weight) = 3100

octahydro tetramethyl acetone:

LD50 (rat) Oral (mg/kg body weight) > 5000

LD50 Dermal (rat or rabbit) (mg/kg body weight) > 5000

Linalool:

LD50 (rat) Oral (mg/kg body weight) = 2790

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 5160

Coumarin:

LD50 (rat) Oral (mg/kg body weight) = 293

Linalyl acetate:

LD50 (rat) Oral (mg/kg body weight) = 13934

LD50 Dermal (rat or rabbit) (mg/kg body weight) > 5000

d-limonene:

LD50 (rat) Oral (mg/kg body weight) = 4400

3-p-Cumenyl-2-methylpropionaldehyde:

LD50 (rat) Oral (mg/kg body weight) > 5000

LD50 Dermal (rat or rabbit) (mg/kg body weight) > 5000

Citral:

LD50 (rat) Oral (mg/kg body weight) = 4950

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 2250

11.2. Information on other hazards

No data available.

SECTION 12. Ecological information

12.1. Toxicity

Related to contained substances:

1-methoxypropan-2-ol:

Not harmful to aquatic organisms.

LC50 = 4600-10000mg / l (fish, *Leuciscus idus*, 96h)

LC50 = 20800mg / l (fish, fathead minnows, 96h)

EC50 = 23300mg / l (invertebrates, *Daphnia magna*, 48h)

C(E)L50 (mg/l) = 4600



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α -hexylcinnamaldehyde:

LC50 - Species: Fish = 1.7 mg / l - Duration h: 96 - Notes: OECD 203

NOEC - Species: Daphnia > 1 mg / l - Duration h: 48

EC50 - Species: Algae = 0.32 mg / l - Duration h: 72 - Notes: OECD TG 201

octahydro tetramethyl acetone:

LC50 = 1.30 mg/l (fish, lepomis macrochirus, 96h) (OECD TG 203)

EC50 = 1.38 mg/l (invertebrates, Daphnia magna, 48h) (OECD TG 202)

EC50 = 2.60 mg/l (algae Desmodesmus subspicatus, 72h,) (OECD TG201)

Linalool:

LC50 - Species: Fish = 27.8 mg / l - Duration h: 96 - Notes: OECD 203

EC50 - Species: Daphnia = 59 mg / l - Duration h: 48 - Notes: OECD TG 202

EC50 - Species: Algae = 156.7 mg / l - Duration h: 96

Coumarin:

LC50=1.324mg/L (fish, 96h)

EC50=8.012mg/L (Daphnia, 48h)

EC50=1.452mg/L (algae, 96h)

Linalyl acetate:

LC50 = 11 mg / L (pesce, Cyprinus carpio, 96h)

EC50 = 15 mg / L (invertebrates, Daphnia magna, 48h)

EC50 = 62 mg / L (algae, Desmodesmus subspicatus, 72h)

d-limonene:

C(E)L50 (mg/l) = 0,688

Citral:

EC50 - Species: Desmodesmus subspicatus (green alga) = 16 mg / l - Duration h: 72

EC50 - Species: Desmodesmus subspicatus (green alga) = 19 mg / l - Duration h: 96

LC50 - Species: Leuciscus idus = 4.6-10.0 mg / l - Duration h: 96

EC50 - Species: Daphnia magna (Water flea) = 7 mg / l - Duration h: 48

The product is dangerous for the environment as it is toxic to aquatic organisms following acute exposure.

Use according to good working practices to avoid pollution into the environment.

12.2. Persistence and degradability

Related to contained substances:

1-methoxypropan-2-ol:

Log n-octanol/water coefficient = 0.37

α -hexylcinnamaldehyde:

Biodegradability: Readily biodegradable - Test: OECD TG 301 F - 97%

octahydro tetramethyl acetone:

OECD 301B - 28 days - 72.1%

Linalool:

OECD 301 D: 64.2%

Linalyl acetate:

Degradability = 80% (28 days)

Concentration = 81 mg / L



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d-limonene:
Degradability = 71.4% (28 days)
Concentration = 10 mg / L

12.3. Bioaccumulative potential

Related to contained substances:

Linalool:
Log Pow = 2.97

Linalyl acetate:
BCF = 174
Log Pow = 3.9

d-limonene:
BCF = 660
Log Pow = 4.83

12.4. Mobility in soil

Related to contained substances:

1-methoxypropan-2-ol:
It is not to assume a significant uptake in the soil.

Linalyl acetate:
Koc = 518

d-limonene:
Koc = 6324
Surface tension = 2.675E-2 N / m (25°C)

12.5. Results of PBT and vPvB assessment

Based on the available data, no PBT or vPvB substances are present in accordance with Regulation (EC) 1907/2006, annex XIII

12.6. Endocrine disrupting properties

Based on available data, there are no substances that interfere with the Endocrine System in accordance with Regulation (EU) 2017/2100

12.7. Other adverse effects

No adverse effects

Regulation (EC) 2004/648

More information:

Surfactant (s) content (s) in this preparation is (are) in accordance with the biodegradability criteria as laid down in Regulation CE/648/2004 on detergents. All supporting data shall be available to the competent authorities of Member States and will be provided, if they so request or at the request of a manufacturer of the formulation, the said authorities.

SECTION 13. Disposal considerations



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13.1. Waste treatment methods

Do not reuse empty containers. Dispose of them in accordance with the regulations in force. Any remaining product should be disposed of according to applicable regulations by addressing to authorized companies. Recover if possible. Send to authorized discharge plants or for incineration under controlled conditions. Operate according to local and National rules in force

SECTION 14. Transport information

14.1. UN number or ID number

ADR/RID/IMDG/ICAO-IATA: 3082



If subject to the following characteristics is ADR exempt:

Combination packagings: per inner packaging 5 L per package 30 Kg

Inner packagings placed in shrink-wrapped or stretch-wrapped trays: per inner packaging 5 L per package 20 Kg

14.2. UN proper shipping name

ADR/RID/IMDG: MATERIA PERICOLOSA PER L'AMBIENTE, LIQUIDA, N.A.S. (1-metossi-2-propanolo, d-limonene)

ADR/RID/IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1-methoxypropan-2-ol, d-limonene)

ICAO-IATA: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1-methoxypropan-2-ol, d-limonene)

14.3. Transport hazard class(es)

ADR/RID/IMDG/ICAO-IATA: Class : 9

ADR/RID/IMDG/ICAO-IATA: Label : 9 + Ambiente

ADR: Tunnel restriction code : --

ADR/RID/IMDG/ICAO-IATA: Limited quantities : 5 L

IMDG - EmS : F-A, S-F

14.4. Packing group

ADR/RID/IMDG/ICAO-IATA: III

14.5. Environmental hazards

ADR/RID/ICAO-IATA: Product is environmentally hazardous

IMDG: Marine polluting agent : Yes

14.6. Special precautions for user

The goods must be transported by vehicles authorized to transport of dangerous goods according to the current edition of ADR requirements and applicable national regulations.

The goods must be in original packing, however, in packaging made of materials resistant to their content and not likely to generate with this dangerous reactions. People loading and unloading dangerous goods must be trained on the risks from these substances and that must be taken in case of emergency situations.

14.7. Maritime transport in bulk according to IMO instruments

It is not intended to carry bulk

SECTION 15. Regulatory information



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

REGULATION (EC) 1907/2006 (REACH) - Annex XIV, Annex XVII as amended.
REGULATION (EC) 1272/2008 (CLP) as amended.
COMMISSION DELEGATED REGULATION (EU) 2020/1182
COMMISSION DELEGATED REGULATION (EU) 2021/643
COMMISSION DELEGATED REGULATION (EU) 2021/849
REGULATION (EU) 878/2020 (Requirements for the compilation of safety data sheets)
REGULATION (EC) 790/2009, Dir 96/82/EC as amended.

Seveso category:

E2 - ENVIRONMENTAL HAZARDS

REGULATION (EU) No 1357/2014 - waste:

HP14 - Ecotoxic

Substances in the Candidate List (REACH Article 59)

Based on available data, no SVHC substances are present

15.2. Chemical safety assessment

No chemical safety assessment was carried out by the supplier

SECTION 16. Other information

16.1. Other information

Description of the hazard statements exposed to point 3

H226 = Flammable liquid and vapour.

H336 = May cause drowsiness or dizziness.

H317 = May cause an allergic skin reaction.

H400 = Very toxic to aquatic life.

H411 = Toxic to aquatic life with long lasting effects.

H315 = Causes skin irritation.

H410 = Very toxic to aquatic life with long lasting effects.

H319 = Causes serious eye irritation.

H302 = Harmful if swallowed.

H412 = Harmful to aquatic life with long lasting effects.

H304 = May be fatal if swallowed and enters airways.

H413 = May cause long lasting harmful effects to aquatic life.

H332 = Harmful if inhaled.

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

Classification according to Regulation (EC) Nr. 1272/2008

H317-May cause an allergic skin reaction.Classification procedure:Calculation method

H411-Toxic to aquatic life with long lasting effects.Classification procedure:Calculation method

Bibliographic data :

SAX 12 Ed Van Nostrand Reinhold

MERCK INDEX 15 Ed

ECHA: European Chemicals Agency (<https://echa.europa.eu/it/information-on-chemicals>)

OSHA: European Agency for Safety and Health at Work

IARC: International Agency for Research on Cancer

IPCS: International Programme on Chemical Safety (Cards)

NIOSH: Registry of toxic effects of chemical substances (1983)

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ACGIH: American Conference of Governmental Industrial Hygienists

TOXNET: Toxicology Data Network

WHO: World Health Organization

CheLIST: Chemical Lists Information System

GESTIS: International Limit Value (<https://limitvalue.ifa.dguv.de/>)

Acronyms:

- ACGIH American Conference of Governmental Industrial Hygienists
- ADR Accord Européen Relatif au Transport International des Marchandises Dangereuses par Route (European accord regarding international transport of dangerous goods by land)
- bw body weight
- CLP Classification, Labelling and Packaging
- CSR Chemical Safety Report
- DMEL Derived Minimal Effect Level
- DNEL Derived No Effect Level
- dw dry weight
- EC Effective Concentration
- IATA International Air Transport Association
- IMDG International Maritime Dangerous Goods
- LC Lethal Concentration
- LD Lethal Dose
- m.w. molecular weight
- PBT Persistent, Bioaccumulative and Toxic
- PNEC Predicted No Effect Concentration
- OECD Organisation / Office for Economic Co-operation and Development
- STEL Short Term Exposure Limit
- SVHC Substance of Very High Concern
- TLV Threshold Limit Value
- TWA Time Weighted Average
- vPvB very Persistent, very Bioaccumulative and toxic
- WGK Wassergefährdungsklasse (Water hazard class)

NOTICE TO USERS

The information contained in this sheet are based on the knowledge available at the date of the preparation of this sheet.

The user must be aware of the possible risks associated with the use of the product, other than that for which the product is supplied. The sheet does not exonerate the user from knowing and applying all the regulations governing its activities. The set of regulations mentioned is simply to help the user to fulfill its obligations regarding the use of hazardous products.

This sheet does not exonerate the user from other legal obligations than those mentioned and from rules regulating possession and use of the product, since the user is the only responsible.

*** This sheet supersedes all previous editions.
