

	Concentrated floor cleaner Ecocert Code: BEC2005007B007	
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**SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

1.1	<b>PRODUCT IDENTIFIER:</b>	Concentrated floor cleaner Ecocert Code: BEC2005007B007
1.2	<b>RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST:</b> <u>Intended uses (main technical functions):</u> Domestic floor cleaner. <u>Uses advised against:</u> This product is not recommended for any use or sector of use (industrial, professional or consumer) other than those previously listed as 'Intended or identified uses'. <u>Restrictions on manufacture, placing on market and use, according to Annex XVII of Regulation (EC) No. 1907/2006:</u> Not restricted.	[ ] Industrial [X] Professional [X] Consumers
1.3	<b>DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET:</b> MIDAS CLEAN, S.L. Parc científic de Barcelona, edifici clúster ems 1BC13, Baldiri Reixac, 10-12 - 08028 Barcelona <b>DETAILS OF AUSTRALIAN IMPORTER AND DISTRIBUTOR:</b> Urban Ethos Pty Ltd Unit 1, 33 Levanswell Road, Moorabbin 3189, Victoria, Australia <u>E-mail address of the person responsible for the Safety Data Sheet:</u> e-mail: michael@urbanethos.com.au	
1.4	<b>EMERGENCY TELEPHONE NUMBER:</b>	Poisons Information Centre Phone Australia – 13 11 26 Phone New Zealand – 0800 764 766

**SECTION 2 : HAZARDS IDENTIFICATION**

2.1	<b>CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:</b> Classification of mixtures is carried out in accordance with the following principles: a) when data (tests) for the classification of mixtures are available, generally is carried out based on these data, b) in the absence of data (tests) for mixtures are generally used interpolation or extrapolation methods of assessing the risk, using the available data for mixtures similarly classified, and c) in the absence of tests and information which would allow to apply interpolation or extrapolation techniques, methods are used to classify risk assessment based on the data of the individual components in the mixture.  <u>Classification in accordance with Regulation (EU) No. 1272/2008~2018/1480 (CLP):</u> DANGER: Eye Dam. 1:H318   Skin Sens. 1:H317																									
	<table border="1" style="width: 100%;"> <thead> <tr> <th style="width: 15%;">Danger class</th> <th style="width: 25%;">Classification of the mixture</th> <th style="width: 5%;">Cat.</th> <th style="width: 10%;">Routes of exposure</th> <th style="width: 15%;">Target organs</th> <th style="width: 30%;">Effects</th> </tr> </thead> <tbody> <tr> <td><u>Physicochemical:</u> Not classified</td> <td>Eye Dam. 1:H318 Skin Sens. 1:H317</td> <td>c) c)</td> <td>Cat.1 Cat.1</td> <td>Eyes Skin</td> <td>Serious lesions Allergy</td> </tr> <tr> <td><u>Human health:</u> </td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td><u>Environment:</u> Not classified</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Danger class	Classification of the mixture	Cat.	Routes of exposure	Target organs	Effects	<u>Physicochemical:</u> Not classified	Eye Dam. 1:H318 Skin Sens. 1:H317	c) c)	Cat.1 Cat.1	Eyes Skin	Serious lesions Allergy	<u>Human health:</u> 						<u>Environment:</u> Not classified						
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	Full text of hazard statements mentioned is indicated in section 16.																									
	Note: When in section 3 a range of percentages is used, the health and environmental hazards describe the effects of the highest concentration of each component, but below the maximum value.																									

2.2	<b>LABEL ELEMENTS:</b> 	This product is labelled with the signal word DANGER in accordance with Regulation (EU) No. 1272/2008~2018/1480 (CLP)
	<u>Hazard statements:</u> H318 H317	Causes serious eye damage. May cause an allergic skin reaction.
	<u>Precautionary statements:</u> P101 P102 P103 P280B P363 P303+P361+P353-P352-P312  P305+P351+P338-P310  P501b	If medical advice is needed, have product container or label at hand. Keep out of reach of children. Read label before use. Wear protective gloves and eye protection . Wash contaminated clothing before reuse. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash with plenty of soap and water. Call a POISON CENTER or doctor if you feel unwell. 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 or doctor. Dispose of contents/container to hazardous or special waste collection point.

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**Supplementary statements:**

EUD011

Contains anionic surfactants &lt; 5 %, perfumes &lt; 5 %, LINALOOL, LIMONENE, GERANIOL. Do not swallow.

**Substances that contribute to classification:**

Sodium mono-C12-C14-alkylsulphate

Cineole

Linalool

**2.3 OTHER HAZARDS:**

Hazards which do not result in classification but which may contribute to the overall hazards of the mixture:

**Other physicochemical hazards:** No other relevant adverse effects are known.**Other adverse human health effects:** No other relevant adverse effects are known.**Other negative environmental effects:** Does not contain substances that fulfil the PBT/vPvB criteria.**SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS****3.1 SUBSTANCES:**

Not applicable (mixture).

**3.2 MIXTURES:**

This product is a mixture.

**Chemical description:**

Mixture of chemical substances.

**HAZARDOUS INGREDIENTS:**

Substances taking part in a percentage higher than the exemption limit:

40 &lt; 50 %

**Citric acid**

CAS: 77-92-9, EC: 201-069-1

CLP: Warning: Eye Irrit. 2:H319

REACH: 01-2119457026-42

Autoclassified  
< REACH

30 &lt; 40 %

**Sodium carbonate**

CAS: 497-19-8, EC: 207-838-8

CLP: Warning: Eye Irrit. 2:H319

REACH: 01-2119485498-19

Index No. 011-005-00-2  
< REACH / CLP00

2,5 &lt; 5 %

**Sodium mono-C12-C14-alkylsulphate**

CAS: 85586-07-8, EC: 287-809-4

CLP: Danger: Acute Tox. (oral) 4:H302 | Skin Irrit. 2:H315 | Eye Dam. 1:H318 | Aquatic Chronic 3:H412

REACH: 01-2119489463-28

&lt; REACH

1 &lt; 2 %

**Cineole**

CAS: 470-82-6, EC: 207-431-5

CLP: Warning: Flam. Liq. 3:H226 | Skin Sens. 1B:H317

REACH: 01-2119967772-24

Autoclassified  
< REACH

1 &lt; 2 %

**Linalool**

CAS: 78-70-6, EC: 201-134-4

CLP: Warning: Skin Irrit. 2:H315 | Eye Irrit. 2:H319 | Skin Sens. 1B:H317

REACH: 01-2119474016-42

Index No. 603-235-00-2  
< REACH

1 &lt; 2 %

**Linalyl acetate**

CAS: 115-95-7, EC: 204-116-4

CLP: Warning: Skin Irrit. 2:H315 | Eye Irrit. 2:H319

REACH: 01-2119454789-19

Autoclassified  
< REACH

&lt; 0,1 %

**(R)-p-mentha-1,8-diene**

CAS: 5989-27-5, EC: 227-813-5

CLP: Danger: Flam. Liq. 3:H226 | Skin Irrit. 2:H315 | Skin Sens. 1:H317 | Asp. Tox. 1:H304 | Aquatic Acute 1:H400 (M=1) | Aquatic Chronic 1:H410 (M=1)

REACH: 01-2119529223-47

Index No. 601-029-00-7  
< REACH

&lt; 0,025 %

**Geraniol**

CAS: 106-24-1, EC: 203-377-1

CLP: Warning: Skin Sens. 1:H317

REACH: 01-2119552430-49

Index No. 603-241-00-5  
< REACH / ATP14**Impurities:**

Does not contain other components or impurities which will influence the classification of the product.

**Stabilizers:**

None

**Reference to other sections:**

For more information on hazardous ingredients, see sections 8, 11, 12 and 16.

**SUBSTANCES OF VERY HIGH CONCERN (SVHC):**

List updated by ECHA on 16/01/2020.

**Substances SVHC subject to authorisation, included in Annex XIV of Regulation (EC) no. 1907/2006:**

None

**Substances SVHC candidate to be included in Annex XIV of Regulation (EC) no. 1907/2006:**




None

**PERSISTENT, BIOACCUMULABLE AND TOXIC PBT, OR VERY PERSISTENT AND VERY BIOACCUMULABLE VPvB SUBSTANCES:**

Does not contain substances that fulfil the PBT/vPvB criteria.

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**SECTION 4 : FIRST AID MEASURES**

4.1	<b>DESCRIPTION OF FIRST-AID MEASURES:</b>  Symptoms may occur after exposure, so that in case of direct exposure to the product, when in doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. Lifeguards should pay attention to self-protection and use the recommended protective equipment if there is a possibility of exposure. Wear protective gloves when administering first aid.	
	Route of exposure	Symptoms and effects, acute and delayed
	<u>Inhalation:</u>	It is not expected that symptoms will occur under normal conditions of use.
	<u>Skin:</u> 	Skin contact causes redness and pain.
	<u>Eyes:</u> 	Contact with the eyes produces redness, pain and serious burns.
	<u>Ingestion:</u>	If swallowed, may cause gastrointestinal disturbances.

4.2 **MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:**  
The main symptoms and effects are indicated in sections 4.1 and 11.1

4.3 **INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:**  
Notes to physician: Damage caused by detergents and tensioactives to intestinal mucus is irreversible. Do not induce vomiting. Pump out stomach prior to the addition of dimeticone (antifrothing agent).  
Antidotes and contraindications: Specific antidote not known.

**SECTION 5 : FIRE-FIGHTING MEASURES**

5.1	<b>EXTINGUISHING MEDIA:</b> In case of fire in the surroundings, all extinguishing agents are allowed.
5.2	<b>SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:</b> As consequence of combustion or thermal decomposition, hazardous products may be produced: carbon monoxide, carbon dioxide, sulfur oxides. Irritant. Exposure to combustion or decomposition products may be a hazard to health.
5.3	<b>ADVICE FOR FIREFIGHTERS:</b> <u>Special protective equipment:</u> Depending on magnitude of fire, heat-proof protective clothing may be required, appropriate independent breathing apparatus, gloves, protective glasses or face masks and boots. If the fire-proof protective equipment is not available or is not being used, combat fire from a sheltered position or from a safe distance. The standard EN469 provides a basic level of protection for chemical incidents. <u>Other recommendations:</u> Cool with water the tanks, cisterns or containers close to sources of heat or fire. Bear in mind the direction of the wind. Do not allow fire-fighting residue to enter drains, sewers or water courses.

**SECTION 6 : ACCIDENTAL RELEASE MEASURES**

6.1	<b>PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:</b> Avoid direct contact with this product.
6.2	<b>ENVIRONMENTAL PRECAUTIONS:</b> Avoid contamination of drains, surface or subterranean water and soil. In the case of large scale spills or when the product contaminates lakes, rivers or sewages, inform the appropriate authorities in accordance with local regulations.
6.3	<b>METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:</b> Sweep spill product. Transfer to a suitable container for recovery or elimination. Neutralize with carbonate or sodium bicarbonate. Finally, clean up the area with plenty of water. Keep the remains in a closed container.
6.4	<b>REFERENCE TO OTHER SECTIONS:</b> For contact information in case of emergency, see section 1. For information on safe handling, see section 7. For exposure controls and personal protection measures, see section 8. For waste disposal, follow the recommendations in section 13.



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## SECTION 7 : HANDLING AND STORAGE

- 7.1 **PRECAUTIONS FOR SAFE HANDLING:**  
Comply with the existing legislation on health and safety at work.  
**General recommendations:**  
Avoid any type of leakage or escape. Keep the container tightly closed.  
**Recommendations for the prevention of fire and explosion risks:**  
Not applicable.  
**Recommendations for the prevention of toxicological risks:**  
Do not eat, drink or smoke while handling. After handling, wash hands with soap and water. For exposure controls and personal protection measures, see section 8.  
**Recommendations for the prevention of environmental contamination:**  
It is not considered a danger to the environment. In the case of accidental spillage, follow the instructions indicated in section 6.
- 7.2 **CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:**  
Forbid the entry to unauthorized persons. Keep out of reach of children. Keep away from sources of heat. If possible, avoid direct contact with sunlight. Avoid extreme humidity conditions. In order to avoid leakages, the containers, after use, should be closed carefully and placed in a vertical position. For more information, see section 10.  
**Class of storage** : According to current legislation.  
**Maximum storage period** : 6. months  
**Temperature interval** : min: 5. °C, max: 40. °C (recommended).  
**Incompatible materials:**  
Keep away from reducing agents, oxidizing agents, acids, alkalis, metals.  
**Type of packaging:**  
According to current legislation.  
**Limit quantity (Seveso III): Directive 2012/18/EU:**  
Not applicable (product for non industrial use).

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## 7.3 SPECIFIC END USES:

## SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

## 8.1 CONTROL PARAMETERS:

If a product contains ingredients with exposure limits, may be necessary a personnel monitoring, work place or biological, to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to EN689, EN14042 and EN482 standard concerning methods for assessing the exposure by inhalation to chemical agents, and exposure to chemical and biological agents. Reference should be also made to national guidance documents for methods for the determination of dangerous substances.

OCCUPATIONAL EXPOSURE LIMIT VALUES (TLV)

AGCIH 2018	Year	TLV-TWA		TLV-STEL		Remarks
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	
Sodium carbonate	1986	-	10.	-	-	Recommended
(R)-p-mentha-1,8-diene		290.	-	-	-	

TLV - Threshold Limit Value, TWA - Time Weighted Average, STEL - Short Term Exposure Limit.

BIOLOGICAL LIMIT VALUES:

Not available

DERIVED NO-EFFECT LEVEL (DNEL):

Derived no-effect level (DNEL) is a level of exposure that is considered safe, derived from toxicity data according to specific guidances included in REACH. DNEL values may differ from a occupational exposure limit (OEL) for the same chemical. OEL values may come recommended by a particular company, a government regulatory agency or an organization of experts. Although considered protective of health, the OEL values are derived by a process different of REACH.

Derived no-effect level, workers: - Systemic effects, acute and chronic:	DNEL Inhalation		DNEL Cutaneous		DNEL Oral	
	mg/m <sup>3</sup>		mg/kg bw/d		mg/kg bw/d	
Citric acid	- (a)	- (c)	- (a)	- (c)	- (a)	- (c)
Sodium carbonate	- (a)	- (c)	- (a)	- (c)	- (a)	- (c)
Sodium mono-C12-C14-alkylsulphate	- (a)	285. (c)	- (a)	4060. (c)	- (a)	- (c)
Cineole	s/r (a)	7.05 (c)	s/r (a)	2.00 (c)	- (a)	- (c)
Linalool	16.5 (a)	2.80 (c)	5.00 (a)	2.50 (c)	- (a)	- (c)
Linalyl acetate	- (a)	2.75 (c)	- (a)	2.50 (c)	- (a)	- (c)
(R)-p-mentha-1,8-diene	s/r (a)	66.7 (c)	s/r (a)	9.50 (c)	- (a)	- (c)
Geraniol	s/r (a)	162. (c)	s/r (a)	12.5 (c)	- (a)	- (c)

Derived no-effect level, workers: - Local effects, acute and chronic:	DNEL Inhalation		DNEL Cutaneous		DNEL Eyes	
	mg/m <sup>3</sup>		mg/cm <sup>2</sup>		mg/cm <sup>2</sup>	
Citric acid	- (a)	- (c)	- (a)	- (c)	- (a)	- (c)
Sodium carbonate	- (a)	10.0 (c)	- (a)	- (c)	- (a)	- (c)
Sodium mono-C12-C14-alkylsulphate	- (a)	- (c)	- (a)	- (c)	- (a)	- (c)
Cineole	s/r (a)	s/r (c)	s/r (a)	m/r (c)	s/r (a)	- (c)
Linalool	- (a)	- (c)	15.0 (a)	15.0 (c)	- (a)	- (c)
Linalyl acetate	- (a)	- (c)	8.00 (a)	8.00 (c)	- (a)	- (c)
(R)-p-mentha-1,8-diene	s/r (a)	s/r (c)	m/r (a)	m/r (c)	s/r (a)	- (c)
Geraniol	s/r (a)	s/r (c)	m/r (a)	11.8 (c)	m/r (a)	- (c)

Derived no-effect level, general population: - Systemic effects, acute and chronic:	DNEL Inhalation		DNEL Cutaneous		DNEL Oral	
	mg/m <sup>3</sup>		mg/kg bw/d		mg/kg bw/d	
Citric acid	- (a)	- (c)	- (a)	- (c)	- (a)	- (c)
Sodium carbonate	- (a)	- (c)	- (a)	- (c)	- (a)	- (c)
Sodium mono-C12-C14-alkylsulphate	- (a)	85.0 (c)	- (a)	2440. (c)	- (a)	24.0 (c)
Cineole	s/r (a)	1.74 (c)	s/r (a)	1.00 (c)	s/r (a)	600. (c)
Linalool	4.10 (a)	0.700 (c)	2.50 (a)	1.25 (c)	1.20 (a)	0.200 (c)
Linalyl acetate	- (a)	0.680 (c)	- (a)	1.25 (c)	- (a)	0.200 (c)
(R)-p-mentha-1,8-diene	s/r (a)	16.6 (c)	s/r (a)	4.80 (c)	s/r (a)	4.80 (c)
Geraniol	s/r (a)	47.8 (c)	s/r (a)	7.50 (c)	s/r (a)	13.8 (c)

Derived no-effect level, general population: - Local effects, acute and chronic:	DNEL Inhalation		DNEL Cutaneous		DNEL Eyes	
	mg/m <sup>3</sup>		mg/cm <sup>2</sup>		mg/cm <sup>2</sup>	
Citric acid	- (a)	- (c)	- (a)	- (c)	- (a)	- (c)
Sodium carbonate	10.0 (a)	- (c)	- (a)	- (c)	- (a)	- (c)
Sodium mono-C12-C14-alkylsulphate	- (a)	- (c)	- (a)	- (c)	- (a)	- (c)
Cineole	s/r (a)	s/r (c)	s/r (a)	m/r (c)	- (a)	- (c)
Linalool	- (a)	- (c)	15.0 (a)	15.0 (c)	- (a)	- (c)
Linalyl acetate	- (a)	- (c)	8.00 (a)	8.00 (c)	- (a)	- (c)
(R)-p-mentha-1,8-diene	s/r (a)	s/r (c)	s/r (a)	s/r (c)	s/r (a)	- (c)
Geraniol	s/r (a)	s/r (c)	m/r (a)	11.8 (c)	m/r (a)	- (c)

(a) - Acute, short-term exposure, (c) - Chronic, long-term or repeated exposure.

(-) - DNEL not available (without data of registration REACH).

s/r - DNEL not derived (not identified hazard).

m/r - DNEL not derived (medium hazard).



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PREDICTED NO-EFFECT CONCENTRATION (PNEC):

Predicted no-effect concentration, aquatic organisms:  
- Fresh water, marine water and intermittent release :

	<u>PNECFresh water</u> mg/l	<u>PNECMarine</u> mg/l	<u>PNEC Intermittent</u> mg/l
Citric acid	0.440	0.0440	-
Sodium carbonate	-	-	-
Sodium mono-C12-C14-alkylsulphate	0.102	0.0100	0.0360
Cineole	0.0570	0.00570	0.570
Linalool	0.200	0.0200	2.00
Linalyl acetate	0.0110	0.00110	0.110
(R)-p-mentha-1,8-diene	0.0140	0.00140	-
Geraniol	0.0108	0.00108	0.108



- Wastewater treatment plants(STP) and sediments in fresh- and marine water:

	<u>PNECSTP</u> mg/l	<u>PNEC Sediments</u> mg/kg dw/d	<u>PNEC Sediments</u> mg/kg dw/d
Citric acid	1000.	34.6	3.46
Sodium carbonate	-	-	-
Sodium mono-C12-C14-alkylsulphate	1084.	3.58	0.358
Cineole	10.0	1.43	0.143
Linalool	10.0	2.22	0.222
Linalyl acetate	10.0	0.609	0.0609
(R)-p-mentha-1,8-diene	1.80	3.85	0.385
Geraniol	0.700	0.115	0.0115

Predicted no-effect concentration, terrestrial organisms:  
- Air, soil and effects for predators and humans:

	<u>PNECAir</u> mg/m <sup>3</sup>	<u>PNECSoil</u> mg/kg dw/d	<u>PNECOral</u> mg/kg dw/d
Citric acid	-	33.1	-
Sodium carbonate	-	-	-
Sodium mono-C12-C14-alkylsulphate	-	0.654	-
Cineole	s/r	0.250	133.
Linalool	-	0.327	7.80
Linalyl acetate	-	0.115	-
(R)-p-mentha-1,8-diene	s/r	0.763	133.
Geraniol	s/r	0.0167	s/r

(-) - PNEC not available (without data of registration REACH).  
s/r - PNEC not derived (not identified hazard).

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## 8.2 EXPOSURE CONTROLS:

## ENGINEERING MEASURES:



Provide adequate cleaning. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction.

Protection of respiratory system: Avoid the inhalation of product.

Protection of eyes and face: Install water taps or sources with clean water close to the working area.

Protection of hands and skin: It is recommended to install water taps or sources with clean water close to the working area. Barrier creams may help to protect the exposed areas of the skin. Barrier creams should not be applied once exposure has occurred.

## OCCUPATIONAL EXPOSURE CONTROLS: Regulation (EU) No. 2016/425:

As a general measure on prevention and safety in the workplace, we recommend the use of a basic personal protection equipment (PPE), with the corresponding marking. For more information on personal protective equipment (storage, use, cleaning, maintenance, type and characteristics of the PPE, protection class, marking, category, CEN norm, etc.), you should consult the informative brochures provided by the manufacturers of PPE.

## Mask:

No.

## Safety goggles:



Safety goggles with suitable lateral protection (EN166). Clean daily and disinfect at regular intervals in accordance with the instructions of the manufacturer.

## Face shield:

No.

## Gloves:



Gloves resistant against chemicals (EN374). There are several factors (for example, temperature), they do in practice the period of use of a protective gloves resistant against chemicals is clearly lower than the established standard EN374. Due to the wide variety of circumstances and possibilities, the instructions/specifications provided by the glove supplier should be taken into account. Use the proper technique of removing gloves (without touching glove's outer surface) to avoid contact of the product with the skin. The gloves should be immediately replaced when any sign of degradation is noted.

## Boots:

No.

## Apron:

No.

## Clothing:

Advisable.

## Thermal hazards:

Not applicable (the product is handled at room temperature).

## ENVIRONMENTAL EXPOSURE CONTROLS:



Avoid any spillage in the environment.

Spills on the soil: Prevent contamination of soil.

Spills in water: Do not allow to escape into drains, sewers or water courses.

- Water Management Act: This product does not contain any substance included in the list of priority substances in the field of water policy under Directive 2000/60/EC~2013/39/EU.

Emissions to the atmosphere: Not applicable.

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**SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES****9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES:****Appearance**

- Physical state : Tablets solid.
- Colour : Green.
- Odour : Characteristic.

**pH-value**

- pH : Not applicable (solid).

**Change of state**

- Initial boiling point : Not applicable

**Density**

- Vapour density : Not applicable (solid).
- Relative density : 1.582\* at 20/4°C Relative water

**Stability****Viscosity:**

- Viscosity (flow time) : Not applicable (solid).

**Volatility:**

- Evaporation rate : Not applicable
- Vapour pressure : 0.57\* mmHg at 20°C
- Vapour pressure : 0.48\* kPa at 50°C

**Solubility (ies)**

- Solubility in organic solvents : No disponsible
- Partition coefficient: n-octanol/water : Not applicable (mixture).

**Flammability:**

- Flash point : Not applicable
- Upper/lower flammability or explosive limits : Not available
- Autoignition temperature : Not applicable (do not sustain combustion).

**Explosive properties:**

Not available.

**Oxidizing properties:**

Not classified as oxidizing product.

\*Estimated values based on the substances composing the mixture.

**9.2 OTHER INFORMATION:**

- Solids : 100. % Weight
- Terpenic hydrocarbons : 0.3 % Weight

The values indicated do not always coincide with product specifications. The data for the product specifications can be found in the corresponding technical data sheet. For additional information concerning physical and chemical properties related to safety and environment, see sections 7 and 12.

**SECTION 10 : STABILITY AND REACTIVITY****10.1 REACTIVITY:**

**Corrosivity to metals:** It is not corrosive to metals.

**Pyrophorical properties:** It is not pyrophoric.

**10.2 CHEMICAL STABILITY:**

Stable under recommended storage and handling conditions.

**10.3 POSSIBILITY OF HAZARDOUS REACTIONS:**

Possible dangerous reaction with reducing agents, oxidizing agents, acids, alkalis, metals.

**10.4 CONDITIONS TO AVOID:**

**Heat:** Keep away from sources of heat.

**Light:** If possible, avoid direct contact with sunlight.

**Air:** The product is not affected by exposure to air, but should not be left the containers open.

**Humidity:** Avoid extreme humidity conditions.

**Pressure:** Not relevant.

**Shock:** The product is not sensitive to shocks, but as a recommendation of a general nature should be avoided bumps and rough handling to avoid dents and breakage of packaging, especially when the product is handled in large quantities, and during loading and download operations.

**10.5 INCOMPATIBLE MATERIALS:**

Keep away from reducing agents, oxidizing agents, acids, alkalis, metals.

**10.6 HAZARDOUS DECOMPOSITION PRODUCTS:**

As consequence of thermal decomposition, hazardous products may be produced: sulfur oxides.



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**SECTION 11 : TOXICOLOGICAL INFORMATION**

No experimental toxicological data on the preparation is available. The toxicological classification for these mixture has been carried out by using the conventional calculation method of the Regulation (EU) No. 1272/2008~2018/1480 (CLP).

**11.1 INFORMATION ON TOXICOLOGICAL EFFECTS:****ACUTE TOXICITY:****Dose and lethal concentrations****for individual ingredients :**

	<b>LD50 (OECD 401)</b> mg/kg bw oral	<b>LD50 (OECD 402)</b> mg/kg bw cutaneous	<b>LC50 (OECD 403)</b> mg/m <sup>3</sup> ·4h inhalation
Citric acid	5400. Rat	5500. Rat	
Sodium carbonate	2800. Rat	> 2000. Rabbit	
Sodium mono-C12-C14-alkylsulphate	1800. Rat	> 2000. Rabbit	
Cineole	2480. Rat	> 2000. Rat	
Linalool	3500. Rat	5610. Rabbit	
Linalyl acetate	14550. Rat	> 5000. Rabbit	
(R)-p-mentha-1,8-diene	5600. Rat	> 2000. Rabbit	
Geraniol	3600. Rat	> 5000. Rabbit	

**Estimates of acute toxicity (ATE)****for individual ingredients :**

	<b>ATE</b> mg/kg bw oral	<b>ATE</b> mg/kg bw cutaneous	<b>ATE</b> mg/m <sup>3</sup> ·4h inhalation
Citric acid	-	-	-
Sodium carbonate	-	-	-
Sodium mono-C12-C14-alkylsulphate	1800.	-	-

(\*) - Point estimates of acute toxicity corresponding to the classification category (see GHS/CLP Table 3.1.2). These values are designed to be used in the calculation of the ATE for classification of a mixture based on its components and do not represent test results.

(-) - The components that are assumed to have no acute toxicity at the upper threshold of category 4 for the corresponding exposure route are ignored.

**No observed adverse effect level**

Not available



**Lowest observed adverse effect level**

Not available





**INFORMATION ON LIKELY ROUTES OF EXPOSURE: Acute toxicity:**

Routes of exposure	Acute toxicity	Cat.	Main effects, acute and/or delayed	Criteria
<b>Inhalation:</b> Not classified	ATE > 5000 mg/m <sup>3</sup>	-	Not classified as a product with acute toxicity if inhaled (based on available data, the classification criteria are not met).	GHS/CLP 3.1.3.6.
<b>Skin:</b> Not classified	ATE > 2000 mg/kg bw	-	Not classified as a product with acute toxicity in contact with skin (based on available data, the classification criteria are not met).	GHS/CLP 3.1.3.6.
<b>Eyes:</b> Not classified	Not available	-	Not classified as a product with acute toxicity by eye contact (lack of data).	GHS/CLP 1.2.5.
<b>Ingestion:</b> Not classified	ATE > 2000 mg/kg bw	-	Not classified as a product with acute toxicity if swallowed (based on available data, the classification criteria are not met).	GHS/CLP 3.1.3.6.

GHS/CLP 3.1.3.6: Classification of mixtures based on ingredients of the mixture (additivity formula).

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CORROSION / IRRITATION / SENSITISATION :

Danger class	Target organs	Cat.	Main effects, acute and/or delayed	Criteria
<u>Respiratory corrosion/irritation:</u> Not classified	-	-	Not classified as a product corrosive or irritant by inhalation (based on available data, the classification criteria are not met).	GHS/CLP 1.2.6. 3.8.3.4.
<u>Skin corrosion/irritation:</u> Not classified	-	-	Not classified as a product corrosive or irritant in contact with skin (based on available data, the classification criteria are not met).	GHS/CLP 3.2.3.3.
<u>Serious eye damage/irritation:</u> 	Eyes 	Cat. 1	DAMAGE: Causes serious eye damage.	GHS/CLP 3.3.3.3.
<u>Respiratory sensitisation:</u> Not classified	-	-	Not classified as a product sensitising by inhalation (based on available data, the classification criteria are not met).	GHS/CLP 3.4.3.3.
<u>Skin sensitisation:</u> 	Skin 	Cat. 1	SENSITISING: May cause an allergic skin reaction.	GHS/CLP 3.4.3.3.

GHS/CLP 3.2.3.3: Classification of the mixture when data are available for all components or only for some components.

GHS/CLP 3.3.3.3: Classification of the mixture when data are available for all components or only for some components.

GHS/CLP 3.4.3.3: Classification of the mixture when data are available for all components or only for some components.

ASPIRATION HAZARD:

Danger class	Target organs	Cat.	Main effects, acute and/or delayed	Criteria
<u>Aspiration hazard:</u> Not classified	-	-	Not applicable (solid).	GHS/CLP 3.10.3.3.

GHS/CLP 3.10.3.3: Classification of the mixture when data are available for all components or only for some components.

SPECIFIC TARGET ORGANS TOXICITY (STOT): Single exposure (SE) and/or Repeated exposure (RE):

Not classified as a dangerous product for target organs (based on available data, the classification criteria are not met).

CMR EFFECTS:

Carcinogenic effects: It is not considered as a carcinogenic product.

Genotoxicity: It is not considered as a mutagenic product.

Toxicity for reproduction: Does not harm fertility. Does not harm the unborn child.

Effects via lactation: Not classified as a hazardous product for children breast-fed.

DELAYED AND IMMEDIATE EFFECTS AS WELL AS CHRONIC EFFECTS FROM SHORT AND LONG-TERM EXPOSURE:

Routes of exposure: Not available.

Short-term exposure: Causes serious eye damage. May cause an allergic skin reaction.

Long-term or repeated exposure: Not available.

INTERACTIVE EFFECTS:

Not available.

INFORMATION ABOUT TOXICOCINETICS, METABOLISM AND DISTRIBUTION:

Dermal absorption: Not available.

Basic toxicokinetics: Not available.

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**ADDITIONAL INFORMATION:**


Not available.

**SECTION 12 : ECOLOGICAL INFORMATION**

No experimental ecotoxicological data on the preparation as such is available. The ecotoxicological classification for these mixture has been carried out by using the conventional calculation method of the Regulation (EU) No. 1272/2008~2018/1480 (CLP).

<b>12.1</b>	<b>TOXICITY:</b>			
	<u>Acute toxicity in aquatic environment for individual ingredients :</u> Citric acid Sodium carbonate Sodium mono-C12-C14-alkylsulphate Cineole Linalool Linalyl acetate (R)-p-mentha-1,8-diene Geraniol	<u>LC50 (OECD 203)</u> mg/l-96hours 440. Fishes 320. Fishes > 3.6 Fishes > 57. Fishes > 28. Fishes > 11. Fishes 0.72 Fishes > 22. Fishes	<u>EC50 (OECD 202)</u> mg/l-48hours 120. Daphnia 265. Daphnia > 4.7 Daphnia > 100. Daphnia > 59. Daphnia > 15. Daphnia 0.36 Daphnia > 11. Daphnia	<u>EC50 (OECD 201)</u> mg/l-72hours 640. Algae > 20. Algae > 74. Algae > 62. Algae 0.32 Algae > 13. Algae
	<u>No observed effect concentration</u> (R)-p-mentha-1,8-diene Geraniol	<u>NOEC (OECD 210)</u> mg/l-28days	<u>NOEC (OECD 211)</u> mg/l-21days 0.080 Daphnia	<u>NOEC (OECD 201)</u> mg/l-72hours 0.17 Algae < 1. Algae
	<u>Lowest observed effect concentration</u> Not available			
	<u>ASSESSMENT OF AQUATIC TOXICITY:</u>			
	<u>Aquatic toxicity</u>	<u>Cat.</u>	<u>Main hazards to the aquatic environment</u>	<u>Criteria</u>
	<u>Acute aquatic toxicity:</u> Not classified	-	Not classified as a hazardous product with acute toxicity to aquatic life (based on available data, the classification criteria are not met).	GHS/CLP 4.1.3.5.5.3.
	<u>Chronic aquatic toxicity:</u> Not classified	-	Not classified as a dangerous product with chronic toxicity to aquatic life with long lasting effects (based on available data, the classification criteria are not met).	GHS/CLP 4.1.3.5.5.4.
	CLP 4.1.3.5.5.3: Classification of a mixture for acute hazards, based on summation of classified components. CLP 4.1.3.5.5.4: Classification of a mixture for chronic (long term) hazards, based on summation of classified components.			
<b>12.2</b>	<b>PERSISTENCE AND DEGRADABILITY:</b>			
	<u>Biodegradability:</u> The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation 648/2004/EC on detergents: Ultimate aerobic biodegradation > 60% within 28 days. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them at their direct request or at the request of a detergent manufacturer.			
	<u>Aerobic biodegradation for individual ingredients:</u> Citric acid Sodium carbonate Sodium mono-C12-C14-alkylsulphate Cineole Linalool Linalyl acetate (R)-p-mentha-1,8-diene Geraniol	<u>DQO</u> mgO2/g 728.  3288.	<u>%DBO/DQO</u> 5 days 14 days 28 days ~ 72. ~ 85. ~ 97.  5. 60. 64. 10. 70. 76. ~ 59. ~ 71. 94.	<u>Biodegradability</u> Easy Not available Easy Not easy Easy Easy Noteasy Easy
	Note: Biodegradability data correspond to an average of data from various bibliographic sources.			
<b>12.3</b>	<b>BIOACCUMULATIVE POTENTIAL:</b>			
	Not available.			
	<u>Bioaccumulation for individual ingredients:</u> Citric acid Sodium mono-C12-C14-alkylsulphate Cineole Linalool Linalyl acetate (R)-p-mentha-1,8-diene Geraniol	<u>log Pow</u> -1.72 2.42 2.74 2.97 3.93 4.38 2.60	<u>BCF</u> L/kg 3.2 (calculated) 30. (calculated) 42. (calculated) > 100. (calculated) 361. (calculated) 91. (calculated)	<u>Potential</u> No bioaccumulable No bioaccumulable Low Unlikely, low Low High Unlikely, low
<b>12.4</b>	<b>MOBILITY IN SOIL:</b>			
	Not available.			
	<u>Mobility for individual ingredients:</u> Citric acid Sodium mono-C12-C14-alkylsulphate Cineole Linalool Linalyl acetate (R)-p-mentha-1,8-diene Geraniol	<u>log P<sub>oc</sub></u> -1.16 2.03 2.35 2.16 3.00 3.80 2.43	<u>Constant of Henry</u> Pa·m <sup>3</sup> /mol 20°C	<u>Potential</u> No bioaccumulable No bioaccumulable Low Unlikely, low Low High Unlikely, low

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12.5	<b>RESULTS OF PBT AND VPVB ASSESSMENT:</b> Annex XIII of Regulation (EC) no. 1907/2006: Does not contain substances that fulfil the PBT/vPvB criteria.	
12.6	<b>OTHER ADVERSE EFFECTS:</b> <a href="#">Ozone depletion potential:</a> Not applicable. <a href="#">Photochemical ozone creation potential:</a> Not available. <a href="#">Earth global warming potential:</a> Not available. <a href="#">Endocrine disrupting potential:</a> Not available.	
<b>SECTION 13 : DISPOSAL CONSIDERATIONS</b>		
13.1	<b>WASTE TREATMENT METHODS:</b> Directive 2008/98/EC~Regulation (EU) no. 1357/2014: Take all necessary measures to prevent the production of waste whenever possible. Analyse possible methods for revaluation or recycling. Do not discharge into drains or the environment, dispose at an authorised waste collection point. Waste should be handled and disposed in accordance with current local and national regulations. For exposure controls and personal protection measures, see section 8.  <a href="#">Disposal of empty containers:</a> Directive 94/62/EC~2015/720/EU, Decision 2000/532/EC~2014/955/EU: Emptied containers and packaging should be disposed in accordance with currently local and national regulations. The classification of packaging as hazardous waste will depend on the degree of emptying of the same, being the holder of the residue responsible for their classification, in accordance with Chapter 15 01 of Decision 2000/532/EC, and forwarding to the appropriate final destination. With contaminated containers and packaging, adopt the same measures as for the product in itself.  <a href="#">Procedures for neutralising or destroying the product:</a> Authorised landfill in accordance with local regulations.	
<b>SECTION 14 : TRANSPORT INFORMATION</b>		
14.1	<b>UN NUMBER:</b> Not applicable	
14.2	<b>UN PROPER SHIPPING NAME:</b> Not applicable	
14.3	<b>TRANSPORT HAZARD CLASS(ES):</b>  <a href="#">Transport by road (ADR 2019) and Transport by rail (RID 2019):</a> Not regulated  <a href="#">Transport by sea (IMDG 39-18):</a> Not regulated  <a href="#">Transport by air (ICAO/IATA 2020):</a> Not regulated  <a href="#">Transport by inland waterways (ADN):</a> Not regulated	
14.4	<b>PACKING GROUP:</b> Not regulated	
14.5	<b>ENVIRONMENTAL HAZARDS:</b> Not applicable (not classified as hazardous for the environment).	
14.6	<b>SPECIAL PRECAUTIONS FOR USER:</b> Ensure that persons transporting the product know what to do in case of accident or spill. Always transport in closed containers that are upright and secure.	
14.7	<b>TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE:</b> Not applicable.	
<b>SECTION 15 : REGULATORY INFORMATION</b>		
15.1	<b>EU SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC:</b> The regulations applicable to this product generally are listed throughout this Safety Data Sheet.  <a href="#">Restrictions on manufacture, placing on market and use:</a> See section 1.2  <a href="#">Tactile warning of danger:</a> Not applicable (the classification criteria are not met).  <a href="#">Child safety protection:</a> Not applicable (the classification criteria are not met).  <a href="#">Specific legislation on detergents:</a> It is applicable the Regulation (EC) No. 648/2004~907/2006 on detergents. Contains anionic surfactants < 5 %, perfumes < 5 %, LINALOOL, LIMONENE, GERANIOL. Do not swallow.  <b>OTHER REGULATIONS:</b>  <a href="#">Control of the risks inherent in major accidents (Seveso III):</a> See section 7.2  <a href="#">Other local legislations:</a> The receiver should verify the possible existence of local regulations applicable to the chemical.	

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15.2 **CHEMICAL SAFETY ASSESSMENT:**  
 A chemical safety assessment has not been carried out for this mixture.

## SECTION 16 : OTHER INFORMATION

### TEXT OF THE PHRASES AND NOTES REFERENCED IN SECTIONS 2 AND/OR 3:

#### Hazard statements according to the Regulation (EU) No. 1272/2008~2018/1480 (CLP), Annex III:

H226 Flammable liquid and vapour. H302 Harmful if swallowed. H304 Maybe fatal if swallowed and enters airways. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.

EVALUATION OF THE INFORMATION ON THE DANGER OF MIXTURES: See sections 9.1, 11.1 and 12.1.

### ADVICES ON ANY TRAINING APPROPRIATE FOR WORKERS:

It is recommended for all staff that will handle this product to carry out a basic training in occupational risk and prevention, in order to provide understanding and interpretation of Safety Data Sheets and labelling of products as well.

### MAIN LITERATURE REFERENCES AND SOURCES FOR DATA:

- European Chemicals Agency: ECHA, <http://echa.europa.eu/>
- Access to European Union Law, <http://eur-lex.europa.eu/>
- Threshold Limit Values, (AGCIH, 2018).

### ABBREVIATIONS AND ACRONYMS:

List of abbreviations and acronyms that can be used (but not necessarily used) in this Safety Data Sheet:

- REACH: Regulation concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals.
- GHS: Globally Harmonized System of Classification and Labelling of Chemicals of the United Nations.
- CLP: European regulation on Classification, Labelling and Packaging of substances and chemical mixtures.
- EINECS: European Inventory of Existing Commercial Chemical Substances.
- ELINCS: European List of Notified Chemical Substances.
- CAS: Chemical Abstracts Service (Division of the American Chemical Society).
- UVCB: Substances of Unknown or Variable composition, complex reaction products or biological materials.
- SVHC: Substances of Very High Concern.
- PBT: Persistent, bioaccumulable and toxic substances.
- vPvB: Very persistent and very bioaccumulable substances.
- DNEL: Derived No-Effect Level (REACH).
- PNEC: Predicted No-Effect Concentration (REACH).
- LD50: Lethal dose, 50 percent.
- LC50: Lethal concentration, 50 percent.
- UN: United Nations Organisation.
- ADR: European agreement concerning the international carriage of dangerous goods by road.
- RID: Regulations concerning the international transport of dangerous goods by rail.
- IMDG: International Maritime code for Dangerous Goods.
- IATA: International Air Transport Association.
- ICAO: International Civil Aviation Organization.

### SAFETY DATA SHEET REGULATIONS:

Safety Data Sheet in accordance with Article 31 of Regulation (EC) No. 1907/2006 (REACH) and Annex of Regulation (EU) No. 2015/830.

### HISTORIC:

Version: 1

### Date of compilation:

20/05/2021

The information of this Safety Data Sheet, is based on the present state of knowledge and on current UE and national laws, as the users' working conditions are beyond our knowledge and control. The product is not to be used for other purposes than those specified, without first obtaining written handling instruction. It is always the responsibility of the user to take all necessary steps in order to fulfil the demand laid down in the local rules and legislation. The information in this Safety Data Sheet is meant as a description of the safety requirements of the product and it is not to be considered as a guarantee of the product's properties.