REED DIFFUSER DECOR VINEYARD ESSENCE

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: REED DIFFUSER DECOR VINEYARD ESSENCE

Other means of identification:

UFI: MJX0-20CN-P00S-DHQF

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

Relevant uses: Air freshener

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MB ELIX sp. z oo sp.k.
ul. Skarżyńskiego 26
54-530 Wrocław - Poland
Phone: 0048 71 387 85 33 - Fax: 0048 71 722 29 68
lab@elix.pl
www.elixscent.com

1.4 Emergency telephone number: 0048 71 387 85 33 (8.00-16.00)

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Flam. Liq. 3: Flammable liquids, Category 3, H226

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Labelling of packages where the contents do not exceed 125 ml:

Warning

Hazard statements:

Not relevant

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

EUH208: Contains 1,2-benzisothiazol-3(2H)-one, cineole, citral, d-limonene, linalool, L-p-mentha-1(6),8-dien-2-one. May produce an allergic reaction.

UFI: MJX0-20CN-P00S-DHQF

2.3 Other hazards:

Product does not meet PBT/vPvB criteria
Endocrine-disrupting properties: The product does not meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Mixture composed of chemical products

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Identification	Chemical name/Classification		Concentration
CAS: 64-17-5 EC: 200-578-6 Index: 603-002-00-5 REACH: 01-2119457610-43-XXXX	**ethanol**[1]	Self-classified	**10 - <15 %**
	Regulation 1272/2008	Eye Irrit. 2: H319; Flam. Liq. 2: H225 - Danger	
CAS: 470-82-6 EC: 207-431-5 Index: Non-applicable REACH: 01-2119967772-24	**Cineole**[1]	Self-classified	**0,25 - <0,5 %**
	Regulation 1272/2008	Flam. Liq. 3: H226; Skin Sens. 1B: H317 - Warning	
CAS: 5392-40-5 EC: 226-394-6 Index: 605-019-00-3 REACH: 01-2119462829-23	**Citral**[1]	Self-classified	**0,1 - <0,25 %**
	Regulation 1272/2008	Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Warning	
CAS: 78-70-6 EC: 201-134-4 Index: 603-235-00-2 REACH: 01-2119474016-42	**Linalool**[1]	Self-classified	**0,1 - <0,25 %**
	Regulation 1272/2008	Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Warning	
CAS: 6485-40-1 EC: 229-352-5 Index: Non-applicable REACH: 01-2119962458-25	**L-p-mentha-1(6),8-dien-2-one**[1]	Self-classified	**0,1 - <0,25 %**
	Regulation 1272/2008	Skin Sens. 1B: H317 - Warning	
CAS: 5989-27-5 EC: 227-813-5 Index: 601-096-00-2 REACH: 01-2119529223-47	**d-limonene**[1]	ATP ATP17	**0,1 - <0,25 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Aquatic Chronic 3: H412; Asp. Tox. 1: H304; Flam. Liq. 3: H226; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Danger	
CAS: 78-93-3 EC: 201-159-0 Index: 606-002-00-3 REACH: 01-2119457290-43-XXXX	**Butanone**[2]	ATP CLP00	**0,1 - <0,25 %**
	Regulation 1272/2008	Eye Irrit. 2: H319; Flam. Liq. 2: H225; STOT SE 3: H336; EUH066 - Danger	
CAS: 2634-33-5 EC: 220-120-9 Index: 613-088-00-6 REACH: 01-2120761540-60-XXXX	**1,2-benzisothiazol-3(2H)-one**[1]	ATP ATP21	**0,01 - <0,036 %**
	Regulation 1272/2008	Acute Tox. 2: H330; Acute Tox. 4: H302; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Dam. 1: H318; Skin Irrit. 2: H315; Skin Sens. 1A: H317 - Danger	

[1] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878
[2] Substance with a Union workplace exposure limit

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
ethanol CAS: 64-17-5 EC: 200-578-6	% (w/w) >=50: Eye Irrit. 2 - H319
1,2-benzisothiazol-3(2H)-one CAS: 2634-33-5 EC: 220-120-9	% (w/w) >=0,036: Skin Sens. 1A - H317

Acute toxicity estimate for the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or as determined in accordance with Annex I to that Regulation:

Identification	Acute toxicity		Genus
Linalool	LD50 oral	3500 mg/kg	Rat
CAS: 78-70-6	LD50 dermal	Not relevant	
EC: 201-134-4	LC50 inhalation	Not relevant	
1,2-benzisothiazol-3(2H)-one	LD50 oral	450 mg/kg	
CAS: 2634-33-5	LD50 dermal	Not relevant	
EC: 220-120-9	LC50 inhalation	0,21 mg/L	

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

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SECTION 4: FIRST AID MEASURES (continued)

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

By eye contact:

Rinse eyes thoroughly with water for at least 15 minutes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case removal could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS for the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

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

Acute and delayed effects are indicated in sections 2 and 11.

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

Not relevant

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Foam extinguisher (AB), Dry Chemical Powder (ABC) Fire Extinguisher, Carbon dioxide extinguisher (BC)

Unsuitable extinguishing media:

Water jet

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Remove any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

It is recommended to avoid environmental spillage of both the product and its container.

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SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

B.- Technical recommendations for the prevention of fires and explosions

Transfer in well ventilated areas, preferably through localized extraction. Fully control sources of ignition (mobile phones, sparks,…) and ventilate during cleaning operations. Avoid the existence of dangerous atmospheres inside containers, applying inertization systems where possible. Transfer at a slow speed to avoid the creation of electrostatic charges. Against the possibility of electrostatic charges: ensure a perfect equipotential connection, always use groundings, do not wear work clothes made of acrylic fibres, preferably wearing cotton clothing and conductive footwear. Comply with the essential security requirements for equipment and systems defined in Directive 2014/34/EC (ATEX 100) and with the minimum requirements for protecting the security and health of workers under the selection criteria of Directive 1999/92/EC (ATEX 137). Consult section 10 for conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Specific storage requirements

Minimum Temp.: 5 ºC

Maximum Temp.: 35 ºC

Maximum time: 36 Months

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
Butanone	IOELV (8h)	200 ppm	600 mg/m³
CAS: 78-93-3 EC: 201-159-0	IOELV (STEL)	300 ppm	900 mg/m³

DNEL (Workers):

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
ethanol	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 64-17-5	Dermal	Not relevant	Not relevant	343 mg/kg	Not relevant
EC: 200-578-6	Inhalation	Not relevant	Not relevant	950 mg/m³	Not relevant
Cineole	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 470-82-6	Dermal	Not relevant	Not relevant	2 mg/kg	Not relevant
EC: 207-431-5	Inhalation	Not relevant	Not relevant	7,05 mg/m³	Not relevant
Citral	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 5392-40-5	Dermal	Not relevant	Not relevant	1,7 mg/kg	Not relevant
EC: 226-394-6	Inhalation	Not relevant	Not relevant	9 mg/m³	Not relevant
Linalool	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 78-70-6	Dermal	Not relevant	Not relevant	3,5 mg/kg	Not relevant
EC: 201-134-4	Inhalation	Not relevant	Not relevant	24,58 mg/m³	Not relevant
L-p-mentha-1(6),8-dien-2-one	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 6485-40-1	Dermal	Not relevant	Not relevant	0,194 mg/kg	Not relevant
EC: 229-352-5	Inhalation	Not relevant	Not relevant	0,685 mg/m³	Not relevant
d-limonene	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 5989-27-5	Dermal	Not relevant	Not relevant	9,5 mg/kg	Not relevant
EC: 227-813-5	Inhalation	Not relevant	Not relevant	66,7 mg/m³	Not relevant
Butanone	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 78-93-3	Dermal	Not relevant	Not relevant	1161 mg/kg	Not relevant
EC: 201-159-0	Inhalation	Not relevant	Not relevant	600 mg/m³	Not relevant
1,2-benzisothiazol-3(2H)-one	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 2634-33-5	Dermal	Not relevant	Not relevant	0,966 mg/kg	Not relevant
EC: 220-120-9	Inhalation	Not relevant	Not relevant	6,81 mg/m³	Not relevant

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
ethanol	Oral	Not relevant	Not relevant	87 mg/kg	Not relevant
CAS: 64-17-5	Dermal	Not relevant	Not relevant	206 mg/kg	Not relevant
EC: 200-578-6	Inhalation	Not relevant	Not relevant	114 mg/m³	Not relevant
Cineole	Oral	Not relevant	Not relevant	600 mg/kg	Not relevant
CAS: 470-82-6	Dermal	Not relevant	Not relevant	1 mg/kg	Not relevant
EC: 207-431-5	Inhalation	Not relevant	Not relevant	1,74 mg/m³	Not relevant
Citral	Oral	Not relevant	Not relevant	0,6 mg/kg	Not relevant
CAS: 5392-40-5	Dermal	Not relevant	Not relevant	1 mg/kg	Not relevant
EC: 226-394-6	Inhalation	Not relevant	Not relevant	2,7 mg/m³	Not relevant
Linalool	Oral	Not relevant	Not relevant	2,49 mg/kg	Not relevant
CAS: 78-70-6	Dermal	Not relevant	Not relevant	1,25 mg/kg	Not relevant
EC: 201-134-4	Inhalation	Not relevant	Not relevant	4,33 mg/m³	Not relevant
L-p-mentha-1(6),8-dien-2-one	Oral	Not relevant	Not relevant	0,0694 mg/kg	Not relevant
CAS: 6485-40-1	Dermal	Not relevant	Not relevant	0,0694 mg/kg	Not relevant
EC: 229-352-5	Inhalation	Not relevant	Not relevant	0,121 mg/m³	Not relevant
d-limonene	Oral	Not relevant	Not relevant	4,8 mg/kg	Not relevant
CAS: 5989-27-5	Dermal	Not relevant	Not relevant	4,8 mg/kg	Not relevant
EC: 227-813-5	Inhalation	Not relevant	Not relevant	16,6 mg/m³	Not relevant
Butanone	Oral	Not relevant	Not relevant	31 mg/kg	Not relevant
CAS: 78-93-3	Dermal	Not relevant	Not relevant	412 mg/kg	Not relevant
EC: 201-159-0	Inhalation	Not relevant	Not relevant	106 mg/m³	Not relevant
1,2-benzisothiazol-3(2H)-one	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 2634-33-5	Dermal	Not relevant	Not relevant	0,345 mg/kg	Not relevant
EC: 220-120-9	Inhalation	Not relevant	Not relevant	1,2 mg/m³	Not relevant

PNEC:

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
ethanol	STP	580 mg/L	Fresh water	0,96 mg/L
CAS: 64-17-5	Soil	0,63 mg/kg	Marine water	0,79 mg/L
EC: 200-578-6	Intermittent	2,75 mg/L	Sediment (Fresh water)	3,6 mg/kg
	Oral	0,38 g/kg	Sediment (Marine water)	2,9 mg/kg
Cineole	STP	10 mg/L	Fresh water	0,057 mg/L
CAS: 470-82-6	Soil	0,25 mg/kg	Marine water	0,0057 mg/L
EC: 207-431-5	Intermittent	0,57 mg/L	Sediment (Fresh water)	1,425 mg/kg
	Oral	0,04 g/kg	Sediment (Marine water)	0,142 mg/kg
Citral	STP	1,6 mg/L	Fresh water	0,007 mg/L
CAS: 5392-40-5	Soil	0,021 mg/kg	Marine water	0,001 mg/L
EC: 226-394-6	Intermittent	0,068 mg/L	Sediment (Fresh water)	0,125 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0,013 mg/kg
Linalool	STP	10 mg/L	Fresh water	0,2 mg/L
CAS: 78-70-6	Soil	0,327 mg/kg	Marine water	0,02 mg/L
EC: 201-134-4	Intermittent	2 mg/L	Sediment (Fresh water)	2,22 mg/kg
	Oral	0,0078 g/kg	Sediment (Marine water)	0,222 mg/kg
L-p-mentha-1(6),8-dien-2-one	STP	10 mg/L	Fresh water	0,0061 mg/L
CAS: 6485-40-1	Soil	0,035 mg/kg	Marine water	0,00061 mg/L
EC: 229-352-5	Intermittent	0,061 mg/L	Sediment (Fresh water)	0,192 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0,019 mg/kg
d-limonene	STP	1,8 mg/L	Fresh water	0,014 mg/L
CAS: 5989-27-5	Soil	0,763 mg/kg	Marine water	0,0014 mg/L
EC: 227-813-5	Intermittent	Not relevant	Sediment (Fresh water)	3,85 mg/kg
	Oral	0,133 g/kg	Sediment (Marine water)	0,385 mg/kg
Butanone	STP	709 mg/L	Fresh water	55,8 mg/L
CAS: 78-93-3	Soil	22,5 mg/kg	Marine water	55,8 mg/L
EC: 201-159-0	Intermittent	55,8 mg/L	Sediment (Fresh water)	284,74 mg/kg
	Oral	1 g/kg	Sediment (Marine water)	284,7 mg/kg
1,2-benzisothiazol-3(2H)-one	STP	1,03 mg/L	Fresh water	0,00403 mg/L
CAS: 2634-33-5	Soil	3 mg/kg	Marine water	0,000403 mg/L
EC: 220-120-9	Intermittent	0,0011 mg/L	Sediment (Fresh water)	0,0499 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0,00499 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Linear low-density polyethylene (LLDPE), Breakthrough time: > 480 min, Thickness: 0.062 mm)	CE CAT III	EN ISO 21420:2020	Replace the gloves at any sign of deterioration.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid / solid state
Appearance:	Fluid with gel pearls
Colour:	Colourless, Green
Odour:	Pleasant
Odour threshold:	Not relevant *

Volatility:

Boiling point at atmospheric pressure:	98 ºC
Vapour pressure at 20 ºC:	2582 Pa
Vapour pressure at 50 ºC:	13381,93 Pa (13,38 kPa)
Evaporation rate at 20 ºC:	Not relevant *

Product description:

Density at 20 ºC:	1001,9 kg/m³
Relative density at 20 ºC:	1,002
Dynamic viscosity at 20 ºC:	Not relevant *
Kinematic viscosity at 20 ºC:	Not relevant *
Kinematic viscosity at 40 ºC:	Not relevant *
Concentration:	Not relevant *
pH:	Not relevant *

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Vapour density at 20 ºC:	Not relevant *
Partition coefficient n-octanol/water 20 ºC:	Not relevant *
Solubility in water at 20 ºC:	Not relevant *
Solubility properties:	Not relevant *
Decomposition temperature:	Not relevant *
Melting point/freezing point:	Not relevant *
Flammability:	
Flash Point:	42 ºC
Flammability (solid, gas):	Not relevant *
Autoignition temperature:	200 ºC
Lower flammability limit:	Not available
Upper flammability limit:	Not available
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Not relevant *
Oxidising properties:	Not relevant *
Corrosive to metals:	Not relevant *
Heat of combustion:	Not relevant *
Aerosols-total percentage (by mass) of flammable components:	Not relevant *
Other safety characteristics:	
Surface tension at 20 ºC:	Not relevant *
Refraction index:	Not relevant *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7 from Safety Data Sheet.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Risk of combustion	Avoid direct impact	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

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SECTION 11: TOXICOLOGICAL INFORMATION

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

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity: Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for skin contact. For more information see section 3.
- Contact with the eyes: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: ethanol (1); propan-2-ol (3); d-limonene (3); Eugenol (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with sensitising effects. For more information see section 3.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met. However, it does contain substances which are classified as dangerous due to repetitive exposure. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Not relevant

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
ethanol	LD50 oral	6200 mg/kg	Rat
CAS: 64-17-5	LD50 dermal	20000 mg/kg	Rabbit
EC: 200-578-6	LC50 inhalation	124,7 mg/L (4 h)	Rat

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
Cineole	LD50 oral	2480 mg/kg	Rat
CAS: 470-82-6	LD50 dermal		
EC: 207-431-5	LC50 inhalation		
Citral	LD50 oral	4950 mg/kg	Rat
CAS: 5392-40-5	LD50 dermal	2250 mg/kg	Rabbit
EC: 226-394-6	LC50 inhalation		
Linalool	LD50 oral	3500 mg/kg	Rat
CAS: 78-70-6	LD50 dermal	5610 mg/kg	Rabbit
EC: 201-134-4	LC50 inhalation		
L-p-mentha-1(6),8-dien-2-one	LD50 oral	5400 mg/kg	Rat
CAS: 6485-40-1	LD50 dermal	3800 mg/kg	
EC: 229-352-5	LC50 inhalation		
d-limonene	LD50 oral	4400 mg/kg	Rat
CAS: 5989-27-5	LD50 dermal	>5000 mg/kg	Rabbit
EC: 227-813-5	LC50 inhalation		
Butanone	LD50 oral	4000 mg/kg	Rat
CAS: 78-93-3	LD50 dermal	6400 mg/kg	Rabbit
EC: 201-159-0	LC50 inhalation	23,5 mg/L (4 h)	Rat
1,2-benzisothiazol-3(2H)-one	LD50 oral	450 mg/kg	
CAS: 2634-33-5	LD50 dermal		
EC: 220-120-9	LC50 inhalation	0,21 mg/L	

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product does not meet the criteria.

Other information

Not relevant

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
ethanol	LC50	11000 mg/L (96 h)	Alburnus alburnus	Fish
CAS: 64-17-5	EC50	9268 mg/L (48 h)	Daphnia magna	Crustacean
EC: 200-578-6	EC50	1450 mg/L (192 h)	Microcystis aeruginosa	Algae
L-p-mentha-1(6),8-dien-2-one	LC50	6,1 mg/L (96 h)	Oncorhynchus mykiss	Fish
CAS: 6485-40-1	EC50	38 mg/L (48 h)	Daphnia magna	Crustacean
EC: 229-352-5	EC50	19 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
d-limonene	LC50	0,702 mg/L (96 h)	Pimephales promelas	Fish
CAS: 5989-27-5	EC50	0,577 mg/L (48 h)	Daphnia magna	Crustacean
EC: 227-813-5	EC50	Not relevant		
Butanone	LC50	3220 mg/L (96 h)	Pimephales promelas	Fish
CAS: 78-93-3	EC50	5091 mg/L (48 h)	Daphnia magna	Crustacean
EC: 201-159-0	EC50	4300 mg/L (168 h)	Scenedesmus quadricauda	Algae
1,2-benzisothiazol-3(2H)-one	LC50	2,2 mg/L (96 h)	Oncorhynchus mykiss	Fish
CAS: 2634-33-5	EC50	3 mg/L (48 h)	Daphnia magna	Crustacean
EC: 220-120-9	EC50	0,067 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae

Chronic toxicity:

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration		Species	Genus
ethanol	NOEC	250 mg/L	Danio rerio	Fish
CAS: 64-17-5 EC: 200-578-6	NOEC	2 mg/L	Ceriodaphnia dubia	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
ethanol	BOD5	Not relevant	Concentration	100 mg/L
CAS: 64-17-5	COD	Not relevant	Period	14 days
EC: 200-578-6	BOD5/COD	Not relevant	% Biodegradable	89 %
Citral	BOD5	0,56 g O2/g	Concentration	100 mg/L
CAS: 5392-40-5	COD	1,99 g O2/g	Period	28 days
EC: 226-394-6	BOD5/COD	0,28	% Biodegradable	92 %
Linalool	BOD5	Not relevant	Concentration	100 mg/L
CAS: 78-70-6	COD	Not relevant	Period	28 days
EC: 201-134-4	BOD5/COD	Not relevant	% Biodegradable	90 %
L-p-mentha-1(6),8-dien-2-one	BOD5	Not relevant	Concentration	100 mg/L
CAS: 6485-40-1	COD	Not relevant	Period	28 days
EC: 229-352-5	BOD5/COD	Not relevant	% Biodegradable	90 %
d-limonene	BOD5	Not relevant	Concentration	10 mg/L
CAS: 5989-27-5	COD	Not relevant	Period	28 days
EC: 227-813-5	BOD5/COD	Not relevant	% Biodegradable	71,4 %
Butanone	BOD5	2,03 g O2/g	Concentration	Not relevant
CAS: 78-93-3	COD	2,31 g O2/g	Period	20 days
EC: 201-159-0	BOD5/COD	0,88	% Biodegradable	89 %
1,2-benzisothiazol-3(2H)-one	BOD5	Not relevant	Concentration	100 mg/L
CAS: 2634-33-5	COD	Not relevant	Period	28 days
EC: 220-120-9	BOD5/COD	Not relevant	% Biodegradable	0 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
ethanol	BCF	3
CAS: 64-17-5	Pow Log	-0.31
EC: 200-578-6	Potential	Low
Cineole	BCF	
CAS: 470-82-6	Pow Log	2.74
EC: 207-431-5	Potential	
Citral	BCF	10
CAS: 5392-40-5	Pow Log	3.45
EC: 226-394-6	Potential	Low
Linalool	BCF	
CAS: 78-70-6	Pow Log	2.97
EC: 201-134-4	Potential	
d-limonene	BCF	
CAS: 5989-27-5	Pow Log	4.83
EC: 227-813-5	Potential	
Butanone	BCF	3
CAS: 78-93-3	Pow Log	0.29
EC: 201-159-0	Potential	Low
1,2-benzisothiazol-3(2H)-one	BCF	2
CAS: 2634-33-5	Pow Log	1.45
EC: 220-120-9	Potential	Low

12.4 Mobility in soil:

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Absorption/desorption		Volatility	
ethanol	Koc	1	Henry	4,61E-1 Pa·m³/mol
CAS: 64-17-5	Conclusion	Very High	Dry soil	Yes
EC: 200-578-6	Surface tension	2,339E-2 N/m (25 ºC)	Moist soil	Yes
Cineole	Koc	Not relevant	Henry	Not relevant
CAS: 470-82-6	Conclusion	Not relevant	Dry soil	Not relevant
EC: 207-431-5	Surface tension	3,24E-2 N/m (25 ºC)	Moist soil	Not relevant
d-limonene	Koc	6324	Henry	2533,13 Pa·m³/mol
CAS: 5989-27-5	Conclusion	Immobile	Dry soil	Yes
EC: 227-813-5	Surface tension	2,675E-2 N/m (25 ºC)	Moist soil	Yes
Butanone	Koc	30	Henry	5,77 Pa·m³/mol
CAS: 78-93-3	Conclusion	Very High	Dry soil	Yes
EC: 201-159-0	Surface tension	2,396E-2 N/m (25 ºC)	Moist soil	Yes

12.5 Results of PBT and vPvB assessment:

Product does not meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product does not meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
07 01 04*	other organic solvents, washing liquids and mother liquors	Hazardous

Type of waste (Regulation (EU) No 1357/2014):

HP3 Flammable

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-hazardous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

Transport of dangerous goods by land:

With regard to ADR 2023 and RID 2023:

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SECTION 14: TRANSPORT INFORMATION (continued)

14.1	**UN number or ID number:**	UN1993
14.2	**UN proper shipping name:**	FLAMMABLE LIQUID, N.O.S. (ethanol)
14.3	**Transport hazard class(es):**	3
	Labels:	3
14.4	**Packing group:**	III
14.5	**Environmental hazards:**	No
14.6	**Special precautions for user**	
	Special regulations:	274, 601
	Tunnel restriction code:	D/E
	Physico-Chemical properties:	see section 9
	Limited quantities:	5 L
14.7	**Maritime transport in bulk according to IMO instruments:**	Not relevant

Transport of dangerous goods by sea:

With regard to IMDG 41-22:

14.1	**UN number or ID number:**	UN1993
14.2	**UN proper shipping name:**	FLAMMABLE LIQUID, N.O.S. (ethanol)
14.3	**Transport hazard class(es):**	3
	Labels:	3
14.4	**Packing group:**	III
14.5	**Marine pollutant:**	No
14.6	**Special precautions for user**	
	Special regulations:	274, 223, 955
	EmS Codes:	F-E, S-E
	Physico-Chemical properties:	see section 9
	Limited quantities:	5 L
	Segregation group:	Not relevant
14.7	**Maritime transport in bulk according to IMO instruments:**	Not relevant

Transport of dangerous goods by air:

With regard to IATA/ICAO 2024:

14.1	**UN number or ID number:**	UN1993
14.2	**UN proper shipping name:**	FLAMMABLE LIQUID, N.O.S. (ethanol)
14.3	**Transport hazard class(es):**	3
	Labels:	3
14.4	**Packing group:**	III
14.5	**Environmental hazards:**	No
14.6	**Special precautions for user**	
	Physico-Chemical properties:	see section 9
14.7	**Maritime transport in bulk according to IMO instruments:**	Not relevant

SECTION 15: REGULATORY INFORMATION

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

- Regulation (EC) No 528/2012: contains a preservative to protect the initial properties of the treated article. Contains 1,2-benzisothiazol-3(2H)-one.

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SECTION 15: REGULATORY INFORMATION (continued)

- Article 95, REGULATION (EU) No 528/2012: *ethanol (64-17-5) - PT: (1,2,4,6) ; 1,2-benzisothiazol-3(2H)-one (2634-33-5) - PT: (2,6,9,11,12,13)*
- Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Not relevant
- Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Not relevant
- REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Not relevant
- Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Not relevant

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Not relevant

Texts of the legislative phrases mentioned in section 2:

H226: Flammable liquid and vapour.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 2: H330 - Fatal if inhaled.
Acute Tox. 4: H302 - Harmful if swallowed.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Liq. 2: H225 - Highly flammable liquid and vapour.
Flam. Liq. 3: H226 - Flammable liquid and vapour.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
Skin Sens. 1B: H317 - May cause an allergic skin reaction.
STOT SE 3: H336 - May cause drowsiness or dizziness.

Classification procedure:

Flam. Liq. 3: Calculation method (2.6.4.3)

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

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SECTION 16: OTHER INFORMATION (continued)

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

- END OF SAFETY DATA SHEET -