

# AMBIENTAIR

## (MSDS) SAFETY DATA SHEET IN ACCORDANCE WITH REGULATION (EU) 2015/830 FORMULA FOR REED DIFFUSER WITH CONCENTRATED FRAGRANCE MLFHM125 N.º 131 BLOKKER HAMMAM

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

#### 1.1 Product identifier.

Product Name: Formula for reed diffuser with concentrated fragrance (without colouring).  
Fragrance Code: MLFHM125 N.º 131 Blokker Hammam.  
UFI: GQT3-2THN-261G-77DJ.

#### 1.2 Relevant identified uses of the mixture and uses advised against.

Identified use: fragrance diffuser.  
Uses advised against: any use different to the recommended.

#### 1.3 Details of the supplier of the safety data sheet.

Company: Desarrollos Empresariales Igel, S.L.  
Address: Polígono Industrial Nicomedes García, Calle Roble 114.  
City: 40140 Valverde del Majano (Segovia, Spain).  
Telephone: +34 91 29 000 29.  
E-mail: info@ambientair.es  
Web: www.ambientair.es.

#### 1.4 Emergency telephone number:

+34 91 29 000 29 (only available during office hours; from Monday to Friday; 08: 00-18: 00 GMT+1).

### SECTION 2: HAZARDS IDENTIFICATION.

#### 2.1 Classification of the substance or mixture.

In accordance with Regulation (EU) No 1272/2008:  
Aquatic Chronic 3: Harmful to aquatic life with long lasting effects.  
Flam. Liq. 2: Highly flammable liquid and vapour.  
Skin Sens. 1: May cause an allergic skin reaction.

#### 2.2 Label elements.

Labelling in accordance with Regulation (EU) No 1272/2008:

Pictograms:



Signal Word: Danger.

#### Hazard statements:

H225 Highly flammable liquid and vapour.  
H317 May cause an allergic skin reaction.  
H412 Harmful to aquatic life with long lasting effects.

#### Precautionary statements:

P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P103 Read carefully and follow all instructions.  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P370+P378 In case of fire: Use... to extinguish.  
P273 Avoid release to the environment.  
P501 Dispose of contents/container to ...

#### EUH statements:

EUH208 Contains (R)-p-mentha-1,8-diene; d-limonene. May produce an allergic reaction.  
EUH208 Contains carvone (ISO); 2-methyl-5-(prop-1-en-2-yl)cyclohex-2-en-1-one. May produce an allergic reaction.  
EUH208 Contains Cyclamen aldehyde (2-Methyl-3-(p-isopropylphenyl)propionaldehyde). May produce an allergic reaction.  
EUH208 Contains citronellol. May produce an allergic reaction.  
EUH208 Contains alpha-iso-Methylionone. May produce an allergic reaction.  
EUH208 Contains alpha-Pinene. May produce an allergic reaction.

Contains: Linalool, 3,7-dimethyl-1,6-octadien-3-ol, dL-linalool, Linalyl acetate, alpha-Amylcinnamic aldehyde (ACA), cineole, Hexyl salicylate.

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## 2.3 Other hazards.

The mixture does not contain substances classified as PBT.  
 The mixture does not contain substances classified as vPvB.  
 The mixture does not contain any endocrine disrupting properties substances.

In normal use conditions and in its original form, the product itself does not involve any other risk for health and the environment.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS.

3.1 Substances.  
 Not Applicable.

3.2 Mixtures.  
 Substances posing a danger to health or the environment in accordance with the Regulation (EC) No. 1272/2008, assigned a Community exposure limit in the workplace, and classified as PBT/vPvB or included in the Candidate List:

IDENTIFIERS	NAME	CONCENTRATE	(*) CLASSIFICATION - REGULATION (EC) NO 1272/2008	
			CLASSIFICATION	SPECIFICS CONCENTRATION LIMITS AND ACUTE TOXICITY ESTIMATE
Index No: 603-002-00-5 CAS No: 64-17-5 EC No: 200-578-6 Registration No: 01-2119457610-43-XXXX	[2] ethanol, ethyl alcohol	50 - 75 %	Flam. Liq. 2, H225	-
CAS No: 34590-94-8 EC No: 252-104-2 Registration No: 01-2119450011-60-XXXX	[1] [2] (2-methoxymethylethoxy)propanol	10 - 25 %	-	-
Index No: 603-117-00-0 CAS No: 67-63-0 EC No: 200-661-7 Registration No: 01-2119457558-25-XXXX	[2] propan-2-ol, isopropyl alcohol, isopropanol	1 - 10 %	Eye Irrit. 2, H319 - Flam. Liq. 2, H225 - STOT SE 3, H336	-
Index No: 603-235-00-2 CAS No: 78-70-6 EC No: 201-134-4 Registration No: 01-2119474016-42-XXXX	Linalool, 3,7-dimethyl-1,6-octadien-3-ol, dl-linalool	1 - 2.5 %	Skin Sens. 1B, H317	-
CAS No: 470-82-6 EC No: 207-431-5 Registration No: 01-2119967772-24-XXXX	cineole	1 - 2.5 %	Flam. Liq. 3, H226 - Skin Sens. 1, H317	-
CAS No: 115-95-7 EC No: 204-116-4 Registration No: 01-2119454789-19-XXXX	Linalyl acetate	1 - 10 %	Eye Irrit. 2, H319 - Skin Irrit. 2, H315 - Skin Sens. 1B, H317	-
CAS No: 122-40-7 EC No: 204-541-5	alpha-Amylcinnamic aldehyde (ACA)	1 - 2.5 %	Aquatic Chronic 2, H411 - Skin Sens. 1, H317	-
CAS No: 6259-76-3 EC No: 228-408-6 Registration No: 01-2119638275-36-XXXX	Hexyl salicylate	1 - 2.5 %	Aquatic Chronic 1, H410 - Skin Sens. 1B, H317	-
Index No: 601-029-00-7 CAS No: 5989-27-5 EC No: 227-813-5 Registration No: 01-2119529223-47-XXXX	(R)-p-mentha-1,8-diene, d-limonene	0.1 - 0.25 %	Aquatic Acute 1, H400 - Aquatic Chronic 1, H410 - Flam. Liq. 3, H226 - Skin Irrit. 2, H315 - Skin Sens. 1, H317	-
Index No: 606-148-00-8 CAS No: 99-49-0 EC No: 202-759-5	carvone (ISO), 2-methyl-5-(prop-1-en-2-yl)cyclohex-2-en-1-one	0.1 - 1 %	Skin Sens. 1, H317	-
CAS No: 103-95-7 EC No: 203-161-7	Cyclamen aldehyde (2-Methyl-3-(p-isopropylphenyl)propionaldehyde)	0.1 - 1 %	Aquatic Chronic 2, H411 - Skin Irrit. 2, H315 - Skin Sens. 1, H317	-

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CAS No: 106-22-9 EC No: 203-375-0 Registration No: 01-2119453995-23-XXXX	citronellool	0,1 - 1 %	Eye Irrit. 2, H319 - Skin Irrit. 2, H315 - Skin Sens. 1, H317	-
CAS No: 127-51-5 EC No: 204-846-3	alpha-iso-Methylionone	0,1 - 1 %	Aquatic Chronic 2, H411 - Skin Sens. 1, H317	-
CAS No: 140-11-4 EC No: 205-399-7 Registration No: 01-2119638272-42-XXXX	[2] Benzyl acetate	0 - 25 %	Aquatic Chronic 3, H412	-
CAS No: 76-22-2 EC No: 200-945-0 Registration No: 01-2119966156-31-XXXX	[2] Camphor	0 - 10 %	Acute Tox. 4, H332 - Flam. Sol. 2, H228 - STOT SE 2, H371	-
CAS No: 80-56-8 EC No: 201-291-9 Registration No: 01-2119519223-49-XXXX	alpha-Pinene	0,1 - 0,25 %	Acute Tox. 4, H302 - Aquatic Acute 1, H400 - Aquatic Chronic 1, H410 - Asp. Tox. 1, H304 - Flam. Liq. 3, H226 - Skin Irrit. 2, H315 - Skin Sens. 1, H317	-
Index No: 605-019-00-3 CAS No: 5392-40-5 EC No: 226-394-6 Registration No: 01-2119462829-23-XXXX	[2] citral	0 - 1 %	Skin Irrit. 2, H315 - Skin Sens. 1, H317	-
CAS No: 123-35-3 EC No: 204-622-5 Registration No: 01-2119514321-56-XXXX	7-methyl-3-methyleneocta-1,6-diene	0 - 10 %	Asp. Tox. 1, H304 - Flam. Liq. 3, H226 - Skin Irrit. 2, H315	-
CAS No: 127-91-3 EC No: 204-872-5 Registration No: 01-2119519230-54-XXXX	Pin-2(10)-ene	0 - 1 %	Asp. Tox. 1, H304 - Flam. Liq. 3, H226 - Skin Irrit. 2, H315 - Skin Sens. 1, H317	-
CAS No: 99-85-4 EC No: 202-794-6	gamma-Terpinene	0 - 10 %	Asp. Tox. 1, H304 - Flam. Liq. 3, H226	-

(\*) The complete text of the H phrases is given in section 16 of this Safety Data Sheet.

[1] Substance with a European Union exposure limit in the workplace (see section 8.1).

[2] Substance with a national workplace exposure limit (see section 8.1).

## SECTION 4: FIRST AID MEASURES.

### 4.1 Description of first aid measures.

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious.

#### Inhalation.

Take the victim into open air; keep them warm and calm. If breathing is irregular or stops, perform artificial respiration.

#### Eye contact.

Remove contact lenses, if present and if it is easy to do. Wash eyes with plenty of clean and cool water for at least 10 minutes while pulling eyelids up, and seek medical assistance.

#### Skin contact.

Remove contaminated clothing. Wash skin vigorously with water and soap or a suitable skin cleaner. NEVER use solvents or thinners.

#### Ingestion.

If accidentally ingested, seek immediate medical attention. Keep calm. NEVER induce vomiting.

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

It may cause an allergic reaction, dermatitis, redness or inflammation of the skin.

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

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious. If the person vomits, clear the respiratory tract. Keep the person comfortable. Turn him/her over to the left side and stay there while waiting for medical care.

### SECTION 5: FIREFIGHTING MEASURES.

The product is Highly inflammable, it can cause or considerably worsen a fire, the necessary prevention measures should be taken and risks avoided. In case of fire, the following measures are recommended:

#### 5.1 Extinguishing media.

##### Suitable extinguishing media:

Extinguisher powder or CO<sub>2</sub>. In case of more serious fires, also alcohol-resistant foam and water spray.

##### Unsuitable extinguishing media:

Do not use a direct stream of water to extinguish. In the presence of electrical voltage, you cannot use water or foam as extinguishing media.

#### 5.2 Special hazards arising from the substance or mixture.

##### Special risks:

Exposure to combustion or decomposition products can be harmful to your health.

During a fire and depending on its magnitude the following may occur:

- Flammable vapours or gases.

#### 5.3 Advice for firefighters.

Use water to cool tanks, cisterns, or containers close to the heat source or fire. Take wind direction into account. Prevent the products used to fight the fire from going into drains, sewers, or waterways. Product residues and extinguishing media may contaminate the aquatic environment. Follow the instructions given in the emergency or fire evacuation plan or plans if available.

##### Fire protection equipment

According to the size of the fire, it may be necessary to use protective suits against the heat, individual breathing equipment, gloves, protective goggles or facemasks, and boots. During extinction and depending on the magnitude and proximity to the fire, additional protective equipment such as chemical protection gloves, heat-reflecting suits or gas-tight suits may be required.

### SECTION 6: ACCIDENTAL RELEASE MEASURES.

#### 6.1 Personal precautions, protective equipment and emergency procedures.

Eliminate possible ignition points and ventilate the area. No smoking. Avoid breathing fumes. For exposure control and individual protection measures, see section 8.

#### 6.2 Environmental precautions.

Product dangerous for the environment, in case of large spills or if the product contaminates lakes, rivers, or sewers, inform the responsible authorities according to local legislation. Prevent the contamination of drains, surface or subterranean waters, and the ground.

#### 6.3 Methods and material for containment and cleaning up.

Contain and collect spillage with inert absorbent material (earth, sand, vermiculite, Kieselguhr...) and clean the area immediately with a suitable decontaminant. Deposit waste in closed and suitable containers for disposal, in compliance with local and national regulations (see section 13).

#### 6.4 Reference to other sections.

For exposure control and individual protection measures, see section 8.

For later elimination of waste, follow the recommendations under section 13.

### SECTION 7: HANDLING AND STORAGE.

#### 7.1 Precautions for safe handling.

The fumes are heavier than air and can spread across the ground. They can form explosive mixtures with air. Prevent the creation of flammable or explosive fume concentrations in the air; prevent fume concentrations above work exposure limits. The product must only be used in areas where all unprotected flames and other ignition points have been eliminated. Electrical equipment has to be protected according to applicable standards.

The product can be electrostatically charged: always use earth grounds when transferring the product. Operators must use anti-static footwear and clothing, and floors must be conductors.

Keep the container tightly closed and isolated from heat sources, sparks, and fire. Do not use tools that can cause sparks. For personal protection, see section 8.

In the application area, smoking, eating, and drinking must be prohibited.

Follow legislation on occupational health and safety.

Never use pressure to empty the containers. They are not pressure-resistant containers. Keep the product in containers made of a material identical to the original.

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7.2 Conditions for safe storage, including any incompatibilities.

Store according to local legislation. Observe indications on the label. Store the containers between 5 and 25 ° C, in a dry and well-ventilated place, far from sources of heat and direct solar light. Keep far away from ignition points. Keep away from oxidising agents and from highly acidic or alkaline materials. Do not smoke. Prevent the entry of non-authorized persons. Once the containers are open, they must be carefully closed and placed vertically to prevent spills.

The product is not affected by Directive 2012/18/EU (SEVESO III).

7.3 Specific end use(s).

Not available.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION.**

8.1 Control parameters.

Work exposure limit for:

NAME	CAS NO.	COUNTRY	LIMIT VALUE	PPM	MG/M <sup>3</sup>
ethanol, ethyl alcohol	64-17-5	United Kingdom [1]	Eight hours	1000	1920
			Short term		
		Éire [2]	Eight hours		
			Short term	1000	
		United States [3] (Cal/OSHA)	Eight hours	1000	
			Short term		
		United States [4] (NIOSH)	Eight hours	1000	
			Short term		
		United States [5] (OSHA)	Eight hours	1000	1900
			Short term		
(2-methoxymethylethoxy)propanol	34590-94-8	European Union [6]	Eight hours	50 (skin)	308 (skin)
			Short term		
		United Kingdom [1]	Eight hours	50	308
			Short term		
		Éire [2]	Eight hours	50	308
			Short term		
		United States [3] (Cal/OSHA)	Eight hours	100	
			Short term	150	
		United States [4] (NIOSH)	Eight hours	100	
			Short term	150	
		United States [5] (OSHA)	Eight hours	100	600
			Short term		
propan-2-ol, isopropyl alcohol, isopropanol	67-63-0	United Kingdom [1]	Eight hours	400	999
			Short term	500	1250
		Éire [2]	Eight hours	200	
			Short term	400	
		United States [3] (Cal/OSHA)	Eight hours	400	
			Short term	500	
		United States [4] (NIOSH)	Eight hours	400	
			Short term	500	
		United States [5] (OSHA)	Eight hours	400	980
			Short term		
Benzyl acetate	140-11-4	Éire [2]	Eight hours	10	
			Short term		
Camphor	76-22-2	Éire [2]	Eight hours	2	12
			Short term	3	18
		United States [3] (Cal/OSHA)	Eight hours		2
			Short term		
		United States [4] (NIOSH)	Eight hours		2
			Short term		
		United States [5] (OSHA)	Eight hours		2
			Short term		
citral	5392-40-5	Éire [2]	Eight hours	5 (Inhalation fraction vapour)	
			Short term		

[1] According Limit Value (IOELV) list in 2nd Indicative Occupational Exposure adopted by Health and Safety Executive.

[2] According Code of Practice for the Safety, Health and Welfare at Work (Chemicals Agents) Regulations adopted by Health and Safety Authority (HSA).

[3] California Division of Occupational Safety and Health (Cal/OSHA) Permissible Exposure Limits (PELs).

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[4] National Institute for Occupational Safety and Health. NIOSH Recommendations for occupational safety and health, Compendium of Policy Documents and Statements, January, 1992, DHHS (NIOSH) Publication No. 92-100.  
 [5] Occupational Safety and Health Administration, United States Department of Labour. Permissible Exposure limits (PELs), California Division of Occupational Safety and Health (Cal/OSHA) Permissible Exposure Limits (PELs).  
 [6] According both Binding Occupational Exposure Limits (BOELVs) and Indicative Occupational Exposure Limits (IOELVs) adopted by Scientific Committee for Occupational Exposure Limits to Chemical Agents (SCOEL).

The product does NOT contain substances with Biological Limit Values.  
 Concentration levels DNEL/DMEL:

NAME	DNEL/DMEL	TYPE	VALUE
ethanol, ethyl alcohol CAS No: 64-17-5 EC No: 200-578-6	DNEL (Workers)	Inhalation, Chronic, Systemic effects	950 (mg/m <sup>3</sup> )
propan-2-ol, isopropyl alcohol, isopropanol CAS No: 67-63-0 EC No: 200-661-7	DNEL (Workers)	Inhalation, Chronic, Systemic effects	500 (mg/m <sup>3</sup> )
	DNEL (Consumers)	Inhalation, Chronic, Systemic effects	89 (mg/m <sup>3</sup> )
	DNEL (Workers)	Dermal, Chronic, Systemic effects	888 (mg/kg bw/day)
	DNEL (Consumers)	Dermal, Chronic, Systemic effects	319 (mg/kg bw/day)
	DNEL (Consumers)	Oral, Chronic, Systemic effects	26 (mg/kg bw/day)
Linalyl acetate CAS No: 115-95-7 EC No: 204-116-4	DNEL (Workers)	Inhalation, Chronic, Systemic effects	2,75 (mg/m <sup>3</sup> )
Hexyl salicylate CAS No: 6259-76-3 EC No: 228-408-6	DNEL (Workers)	Inhalation, Chronic, Systemic effects	0,729 (mg/m <sup>3</sup> )
(R)-p-mentha-1,8-diene, d-limonene CAS No: 5989-27-5 EC No: 227-813-5	DNEL (Workers)	Inhalation, Chronic, Systemic effects	33,3 (mg/m <sup>3</sup> )
citronellol CAS No: 106-22-9 EC No: 203-375-0	DNEL (Workers)	Inhalation, Chronic, Systemic effects	161,6 (mg/m <sup>3</sup> )
alpha-iso-Methylionone CAS No: 127-51-5 EC No: 204-846-3	DNEL (Workers)	Inhalation, Chronic, Systemic effects	29,4 (mg/m <sup>3</sup> )
Benzyl acetate CAS No: 140-11-4 EC No: 205-399-7	DNEL (Workers)	Inhalation, Chronic, Systemic effects	21,9 (mg/m <sup>3</sup> )
alpha-Pinene CAS No: 80-56-8 EC No: 201-291-9	DNEL (Workers)	Inhalation, Chronic, Systemic effects	5,98 (mg/m <sup>3</sup> )
citral CAS No: 5392-40-5 EC No: 226-394-6	DNEL (Workers)	Inhalation, Chronic, Systemic effects	9 (mg/m <sup>3</sup> )
7-methyl-3-methylocta-1,6-diene CAS No: 123-35-3 EC No: 204-622-5	DNEL (Workers)	Inhalation, Chronic, Systemic effects	5,83 (mg/m <sup>3</sup> )
Pin-2(10)-ene CAS No: 127-91-3 EC No: 204-872-5	DNEL (Workers)	Inhalation, Chronic, Systemic effects	5,98 (mg/m <sup>3</sup> )

DNEL: Derived No Effect Level, level of exposure to the substance below which adverse effects are not anticipated.  
 DMEL: Derived Minimal Effect Level, exposure level corresponding to a low risk, that risk should be considered a tolerable minimum.

Concentration levels PNEC:

NAME	DETAILS	VALUE
ethanol, ethyl alcohol CAS No: 64-17-5 EC No: 200-578-6	Fresh water	0,96 (mg/L)
	Marine water	0,79 (mg/L)
	aqua (intermittent releases)	2,75 (mg/L)
	Soil	0,63 (mg/kg soil dw)
	sediment (freshwater)	3,6 (mg/kg sediment dw)
propan-2-ol, isopropyl alcohol, isopropanol CAS No: 67-63-0 EC No: 200-661-7	aqua (freshwater)	140,9 (mg/L)
	aqua (marine water)	140,9 (mg/L)
	aqua (intermittent releases)	140,9 (mg/L)
	sediment (freshwater)	552 (mg/kg sediment dw)
	sediment (marine water)	552 (mg/kg sediment dw)
	Soil	28 (mg/kg soil dw)
	STP	2251 (mg/L)

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	oral (Hazard for predators)	160 (mg/kg food)
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PNEC: Predicted No Effect Concentration, concentration of the substance below which adverse effects are not expected in the environmental compartment.

## 8.2 Exposure controls.

### Measures of a technical nature:

Provide adequate ventilation, which can be achieved by using good local exhaust-ventilation and a good general exhaust system.

<b>CONCENTRATION:</b>	<b>100 %</b>	
<b>USES:</b>	<b>FRAGRANCE DIFFUSER</b>	
<b>BREATHING PROTECTION:</b>		
PPE:	Filter mask for protection against gases and particles.	
Characteristics:	«CE» marking, category III. The mask must have a wide field of vision and an anatomically designed form in order to be sealed and watertight.	
CEN standards:	EN 136, EN 140, EN 405	
Maintenance:	Should not be stored in places exposed to high temperatures and damp environments before use. Special attention should be paid to the state of the inhalation and exhalation valves in the face adaptor.	
Observations:	Read carefully the manufacturer's instructions regarding the equipment's use and maintenance. Attach the necessary filters to the equipment according to the specific nature of the risk (Particles and aerosols: P1-P2-P3, Gases and vapours: A-B-E-K-AX), changing them as advised by the manufacturer.	
Filter Type needed:	A2	
<b>HAND PROTECTION:</b>		
PPE:	Protective gloves.	
Characteristics:	«CE» marking, category II.	
CEN standards:	EN 374-1, En 374-2, EN 374-3, EN 420	
Maintenance:	Keep in a dry place, away from any sources of heat, and avoid exposure to sunlight as much as possible. Do not make any changes to the gloves that may alter their resistance, or apply paints, solvents or adhesives.	
Observations:	Gloves should be of the appropriate size and fit the user's hand well, not being too loose or too tight. Always use with clean, dry hands.	
Material:	PVC (polyvinyl chloride)	Breakthrough time (min.): > 480
		Material thickness (mm): 0,35
<b>EYE PROTECTION:</b>		
PPE:	Face shield.	
Characteristics:	«CE» marking, category II. Face and eye protector against splashing liquid.	
CEN standards:	EN 165, EN 166, EN 167, EN 168	
Maintenance:	Visibility through lenses should be ideal. Therefore, these parts should be cleaned daily. Protectors should be disinfected periodically following the manufacturer's instructions. Make sure that mobile parts move smoothly.	
Observations:	Face shields should offer a field of vision with a dimension in the central line of, at least, 150 mm vertically once attached to the frame.	
<b>SKIN PROTECTION:</b>		
PPE:	Anti-static protective clothing.	
Characteristics:	«CE» marking, category II. Protective clothing should not be too tight or loose in order not to obstruct the user's movements.	
CEN standards:	EN 340, EN 1149-1, EN 1149-2, EN 1149-3, EN 1149-5	
Maintenance:	In order to guarantee uniform protection, follow the washing and maintenance instructions provided by the manufacturer.	
Observations:	The protective clothing should offer a level of comfort in line with the level of protection provided in terms of the hazard against which it protects, bearing in mind environmental conditions, the user's level of activity and the expected time of use.	
PPE:	Anti-static safety footwear.	
Characteristics:	«CE» marking, category II.	
CEN standards:	EN ISO 13287, EN ISO 20344, EN ISO 20346	
Maintenance:	The footwear should be checked regularly	
Observations:	The level of comfort during use and acceptability are factors that are assessed very differently depending on the user. Therefore, it is advisable to try on different footwear models and, if possible, different widths.	

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.

### 9.1 Information on basic physical and chemical properties.

Physical state: liquid.

Colour: without colouring (yellow).

Odour: Hammam.

Odour threshold: Not applicable/Not available due to the nature/properties of the product

Melting point: Not applicable/Not available due to the nature/properties of the product

Freezing point: Not applicable/Not available due to the nature/properties of the product

Boiling point or initial boiling point and boiling range: 91 °C (Estimation based on the indication of the Regulation (CE) N°1272/2008.)

Flammability: Not applicable/Not available due to the nature/properties of the product

Lower explosion limit: Not applicable/Not available due to the nature/properties of the product

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Upper explosion limit: Not applicable/Not available due to the nature/properties of the product  
Flash point: 18 °C (Estimation based on the indication of the Regulation (CE) N°1272/2008.)  
Auto-ignition temperature: Not applicable/Not available due to the nature/properties of the product  
Decomposition temperature: Not applicable/Not available due to the nature/properties of the product  
pH: Not applicable/Not available due to the nature/properties of the product  
Kinematic viscosity: Not applicable/Not available due to the nature/properties of the product  
Solubility: Not applicable/Not available due to the nature/properties of the product  
Hydrosolubility: Not applicable/Not available due to the nature/properties of the product  
Liposolubility: Not applicable/Not available due to the nature/properties of the product  
Partition coefficient n-octanol/water (log value): Not applicable/Not available due to the nature/properties of the product  
Vapour pressure: 59,503 (Estimation based on the indication of the Regulation (CE) N°1272/2008.)  
Absolute density: Not applicable/Not available due to the nature/properties of the product  
Relative density: 0,826 (Estimation based on the indication of the Regulation (CE) N°1272/2008.)  
Relative vapour density: Not applicable/Not available due to the nature/properties of the product  
Particle characteristics: Not applicable/Not available due to the nature/properties of the product

## 9.2 Other information

Viscosity: Not applicable/Not available due to the nature/properties of the product  
Explosive properties: Not applicable/Not available due to the nature/properties of the product  
Oxidizing properties: Not applicable/Not available due to the nature/properties of the product  
Dropping point: Not applicable/Not available due to the nature/properties of the product  
Blink: Not applicable/Not available due to the nature/properties of the product

## SECTION 10: STABILITY AND REACTIVITY.

### 10.1 Reactivity.

The product does not present hazards by their reactivity.

### 10.2 Chemical stability.

Unstable in contact with:

- Acids.
- Bases.
- Oxidizing agents.

### 10.3 Possibility of hazardous reactions.

In certain conditions this may cause a polymerization reaction.

### 10.4 Conditions to avoid.

Avoid the following conditions:

- Heating.
- High temperature.
- Contact with incompatible materials.

### 10.5 Incompatible materials.

Avoid the following materials:

- Acids.
- Bases.
- Oxidizing agents.

### 10.6 Hazardous decomposition products.

Depending on conditions of use, can be generated the following products:

- COx (carbon oxides).
- Organic compounds.

## SECTION 11: TOXICOLOGICAL INFORMATION.

### 11.1 Information on hazard classes as defined in Regulation (EC) N° 1272/2008.

Toxicological information about the substances present in the composition.

NAME	ACUTE TOXICITY			
	TYPE	TEST	KIND	VALUE
propan-2-ol, isopropyl alcohol, isopropanol	Oral	LD50 [1] Gigena i Sanitariya. For English translation, see HYSAAV. Vol. 43(1), Pg. 8, 1978	Rat	5050 mg/kg bw [1]
	Dermal	LD50 [1] Raw Material Data Handbook, Vol.1: Organic Solvents, 1974. Vol. 1, Pg. 100, 1974	Rabbit	12800 mg/kg bw [1]



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CAS No: 67-63-0	EC No: 200-661-7	Inhalation	LC50 [1] OECD Guideline 403 (Acute Inhalation Toxicity), study report, 1991	Rat	>10000 ppm (6 h) [1]
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a) acute toxicity;  
Not conclusive data for classification.

b) skin corrosion/irritation;  
Based on available data, the classification criteria are not met.

c) serious eye damage/irritation;  
Based on available data, the classification criteria are not met.

d) respiratory or skin sensitisation;  
Product classified:  
Skin sensitizer, Category 1: May cause an allergic skin reaction.

e) germ cell mutagenicity;  
Not conclusive data for classification.

f) carcinogenicity;  
Not conclusive data for classification.

g) reproductive toxicity;  
Not conclusive data for classification.

h) STOT-single exposure;  
Based on available data, the classification criteria are not met.

i) STOT-repeated exposure;  
Not conclusive data for classification.

j) aspiration hazard;  
Based on available data, the classification criteria are not met.

## 11.2 Information on other hazards.

### Endocrine disrupting properties

This product does not contain components with endocrine-disrupting properties with effects on human health.

### Other information

There is no information available on other adverse health effects.

## SECTION 12: ECOLOGICAL INFORMATION.

### 12.1 Toxicity.

NAME	ECOTOXICITY			
	TYPE	TEST	KIND	VALUE
propan-2-ol, isopropyl alcohol, isopropanol  CAS No: 67-63-0 EC No: 200-661-7	Fish	LC50 [1] Brooke, L.T., D.J. Call, D.L. Geiger, and C.E. Northcott 1984. Acute Toxicities of Organic Chemicals to Fathead Minnows (Pimephales promelas), Vol. 1. Center for Lake Superior Environmental Stud., Univ. of Wisconsin-Superior, Superior, WI: 414	Fish	9640 mg/l (96 h) [1]
	Aquatic invertebrates	LC50 [1] Blackman, R.A.A. 1974. Toxicity of Oil-Sinking Agents. Mar.Pollut.Bull. 5: 116-118	Crustacean	1400 mg/l (48 h) [1]
	Aquatic plants	Toxicity threshold [1] Comparison of the Toxicity Thresholds of Water Pollutants to Bacteria, Algae, and Protozoa in the Cell Multiplication Inhibition Test, Water Research Vol. 14. pp. 231 to 241	Scenedesmus quadricauda	1800 mg/L (7 d) [1]

### 12.2 Persistence and degradability.

No information is available regarding the biodegradability of the substances present.

No information is available on the degradability of the substances present.

No information is available about persistence and degradability of the product.

### 12.3 Bioaccumulative potential.

Information about the bioaccumulation of the substances present.

NAME	BIOACCUMULATION			
	LOG POW	BCF	NOECS	LEVEL



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ethanol, ethyl alcohol CAS No: 64-17-5 EC No: 200-578-6	-0,3	-	-	Very low
propan-2-ol, isopropyl alcohol, isopropanol CAS No: 67-63-0 EC No: 200-661-7	0,05	-	-	Very low
Linalyl acetate CAS No: 115-95-7 EC No: 204-116-4	3,93	-	-	Moderate
(R)-p-mentha-1,8-diene, d-limonene CAS No: 5989-27-5 EC No: 227-813-5	4,83	-	-	High
citronellol CAS No: 106-22-9 EC No: 203-375-0	4,04	-	-	High
Benzyl acetate CAS No: 140-11-4 EC No: 205-399-7	1,96	-	-	Very low
Camphor CAS No: 76-22-2 EC No: 200-945-0	2,34	-	-	Low
alpha-Pinene CAS No: 80-56-8 EC No: 201-291-9	4,48	-	-	High
Pin-2(10)-ene CAS No: 127-91-3 EC No: 204-872-5	4,16	-	-	High
p-Cymene CAS No: 99-87-6 EC No: 202-796-7	4,1	-	-	High

#### 12.4 Mobility in soil.

No information is available about the mobility in soil.  
The product must not be allowed to go into sewers or waterways.  
Prevent penetration into the ground.

#### 12.5 Results of PBT and vPvB assessment.

No information is available about the results of PBT and vPvB assessment of the product.

#### 12.6 Endocrine disrupting properties.

This product doesn't contain components with environmental endocrine disrupting properties.

#### 12.7 Other adverse effects.

No information is available about other adverse effects for the environment.

### SECTION 13: DISPOSAL CONSIDERATIONS.

#### 13.1 Waste treatment methods.

Do not dump into sewers or waterways. Waste and empty containers must be handled and eliminated according to current, local/national legislation.  
Follow the provisions of Directive 2008/98/EC regarding waste management.

### SECTION 14: TRANSPORT INFORMATION.

Transport following ADR rules for road transport, RID rules for railway, ADN for inner waterways, IMDG for sea, and ICAO/IATA for air transport.

Land: Transport by road: ADR, Transport by rail: RID.

Transport documentation: Consignment note and written instructions

Sea: Transport by ship: IMDG.

Transport documentation: Bill of lading

Air: Transport by plane: ICAO/IATA.

Transport document: Airway bill.

#### 14.1 UN number or ID number.

UN No: UN1993

#### 14.2 UN proper shipping name.

Description:

ADR/RID: UN 1993, FLAMMABLE LIQUID, N.O.S. (CONTAINS ETHANOL ETHYL ALCOHOL / (R)-P-MENTHA-1,8-DIENE D-LIMONENE), 3, PG II, (D/E)

IMDG: UN 1993, FLAMMABLE LIQUID, N.O.S. (CONTAINS ETHANOL ETHYL ALCOHOL / (R)-P-MENTHA-1,8-DIENE D-LIMONENE), 3, PG II

ICAO/IATA: UN 1993, FLAMMABLE LIQUID, N.O.S. (CONTAINS ETHANOL ETHYL ALCOHOL / (R)-P-MENTHA-1,8-DIENE D-LIMONENE), 3, PG II

#### 14.3 Transport hazard class(es).

Class(es): 3

#### 14.4 Packing group.

Packing group: II



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14.5 Environmental hazards.  
Marine pollutant: No  
Transport by ship, FEm - Emergency sheets (F - Fire, S - Spills): F-E,S-E

14.6 Special precautions for user.  
Labels: 3



Hazard number: 33  
ADR LQ: 1 L  
IMDG LQ: 1 L  
ICAO LQ: 1 L

Provisions concerning carriage in bulk ADR: Not authorized carriage in bulk in accordance with ADR.  
Proceed in accordance with point 6.

14.7 Maritime transport in bulk according to IMO instruments.  
The product is not transported in bulk.

## SECTION 15: REGULATORY INFORMATION.

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture.  
The product is not affected by the Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer.

### Volatile organic compound (VOC)

VOC content (p/p): 86,08 %  
VOC content: 711,168 g/l

Product classification according to Annex I of Directive 2012/18/EU (SEVESO III): N/A  
The product is not affected by Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products.  
The product is not affected by the procedure established Regulation (EU) No 649/2012, concerning the export and import of dangerous chemicals.

15.2 Chemical safety assessment.  
No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

## SECTION 16: OTHER INFORMATION.

Complete text of the H phrases that appear in section 3:

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H228	Flammable solid.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H371	May cause damage to organs.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

### Classification codes:

Acute Tox. 4: Acute toxicity (Inhalation), Category 4  
Acute Tox. 4: Acute toxicity (Oral), Category 4  
Aquatic Acute 1: Acute toxicity to the aquatic environment, Category 1  
Aquatic Chronic 1: Chronic effect to the aquatic environment, Category 1  
Aquatic Chronic 2: Chronic effect to the aquatic environment, Category 2  
Aquatic Chronic 3: Chronic effect to the aquatic environment, Category 3

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Asp. Tox. 1: Aspiration toxicity, Category 1  
Eye Irrit. 2: Eye irritation, Category 2  
Flam. Liq. 2: Flammable liquid, Category 2  
Flam. Liq. 3: Flammable liquid, Category 3  
Flam. Sol. 2: Flammable solid, Category 2  
STOT SE 2: Specific target organ toxicity following a single exposure, Category 2  
STOT SE 3: Specific target organ toxicity following a single exposure, Category 3  
Skin Irrit. 2: Skin irritant, Category 2  
Skin Sens. 1: Skin sensitiser, Category 1  
Skin Sens. 1B: Skin sensitiser, Category 1B

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

Physical hazards	On	basis	of	test	data
Health hazards	Calculation				method
Environmental hazards	Calculation method				

It is advisable to carry out basic training with regard to health and safety at work in order to handle this product correctly.

Risk classification system NFPA 704:



Health hazard: 1 (Slightly Hazardous)

Flammability: 4 (Below 73°F)

Reactivity: 0 (Stable)

Abbreviations and acronyms used:

BCF: Bioconcentration factor.  
CEN: European Committee for Standardization.  
DMEL: Derived Minimal Effect Level, exposure level corresponding to a low risk, that risk should be considered a tolerable minimum.  
DNEL: Derived No Effect Level, level of exposure to the substance below which adverse effects are not anticipated.  
EC50: Half maximal effective concentration.  
PPE: Personal protection equipment.  
LC50: Lethal concentration, 50%.  
LD50: Lethal dose, 50%.  
NOEC: No observed effect concentration.  
PNEC: Predicted No Effect Concentration, concentration of the substance below which adverse effects are not expected in the environmental compartment.

Key literature references and sources for data:

<http://eur-lex.europa.eu/homepage.html>

<http://echa.europa.eu/>

Regulation (EU) 2020/878.

Regulation (EC) No 1907/2006.

Regulation (EU) No 1272/2008.

The information given in this Safety Data Sheet has been drafted in accordance with COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemical substances and mixtures (REACH).

The information in this Safety Data Sheet on the Preparation is based on current knowledge and on current EC and national laws, as far as the working conditions of the users is beyond our knowledge and control. The product must not be used for purposes other than those that are specified without first having written instructions on how to handle. It is always the responsibility of the user to take the appropriate measures in order to comply with the requirements established by current legislation. The information contained in this Safety Sheet only states a description of the safety requirements for the preparation, and it must not be considered as a guarantee of its properties.