

# AMBIENTAIR

(MSDS) SAFETY DATA SHEET IN ACCORDANCE WITH REGULATION (EU) 2015/830  
FORMULA FOR REED DIFFUSER WITH CONCENTRATED FRAGRANCE  
MLFCV125 N.º 129 BLOKKER VANILLA

VERSION: 1.  
REVISION DATE: 19/05/2022.

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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: MLFCV125 N.º 129 Blokker Vanilla.  
UFI: KTW7-T7H7-R61U-JK4A.

### 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  $\alpha$ -hexylcinnamaldehyde. May produce an allergic reaction.  
EUH208 Contains cineole. May produce an allergic reaction.  
EUH208 Contains 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone (OTNE). May produce an allergic reaction.  
EUH208 Contains (Z)-3,4,5,6,6-Pentamethylhept-3-en-2-one (Acetyl diisoamylene, Z-; Koavone). May produce an allergic reaction.  
EUH208 Contains Coumarin. May produce an allergic reaction.

Contains: Linalool, 3,7-dimethyl- 1,6-octadien-3-ol, dL-linalool, Linalyl acetate.

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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<br>CAS No: 64-17-5<br>EC No: 200-578-6<br>Registration No: 01-2119457610-43-XXXX   | [2] ethanol, ethyl alcohol                            | 50 - 75 %    | Flam. Liq. 2, H225  | -  |
| CAS No: 34590-94-8<br>EC No: 252-104-2<br>Registration No: 01-2119450011-60-XXXX                          | [1] [2] (2-methoxymethylethoxy)propanol               | 2.5 - 25 %   | -   | -  |
| Index No: 603-117-00-0<br>CAS No: 67-63-0<br>EC No: 200-661-7<br>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   | -  |
| CAS No: 115-95-7<br>EC No: 204-116-4<br>Registration No: 01-2119454789-19-XXXX                            | Linalyl acetate                                       | 1 - 10 %     | Eye Irrit. 2, H319 - Skin Irrit. 2, H315 - Skin Sens. 1B, H317  | -  |
| CAS No: 18479-58-8<br>EC No: 242-362-4<br>Registration No: 01-2119457274-37-XXXX                          | Dihydromyrcenol (2,6-Dimethyloct-7-en-2-ol)           | 1 - 10 %     | Eye Irrit. 2, H319 - Skin Irrit. 2, H315  | -  |
| Index No: 603-235-00-2<br>CAS No: 78-70-6<br>EC No: 201-134-4<br>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: 123-11-5<br>EC No: 204-602-6  | Anisaldehyde (p-Methoxybenzaldehyde)                  | 1 - 2.5 %    | Acute Tox. 4, H302  | -  |
| Index No: 601-029-00-7<br>CAS No: 5989-27-5<br>EC No: 227-813-5<br>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 | -  |
| CAS No: 101-86-0<br>EC No: 202-983-3  | α-hexylcinnamaldehyde                                 | 0.1 - 1 %    | Skin Sens. 1, H317  | -  |
| CAS No: 140-11-4<br>EC No: 205-399-7<br>Registration No: 01-2119638272-42-XXXX                            | [2] Benzyl acetate                                    | 0 - 25 %     | Aquatic Chronic 3, H412   | -  |
| CAS No: 470-82-6<br>EC No: 207-431-5<br>Registration No: 01-2119967772-24-XXXX                            | cineole   | 0.1 - 1 %    | Flam. Liq. 3, H226 - Skin Sens. 1, H317   | -  |

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|  |   |              |  |   |
|--|---|--------------|--|---|
| CAS No: 54464-57-2<br>EC No: 259-174-3   | 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone (OTNE) | 0.1 - 0.25 % | Aquatic Chronic 1, H410 - Skin Irrit. 2, H315 - Skin Sens. 1, H317   | - |
| CAS No: 81786-73-4<br>EC No: 279-822-9   | (Z)-3,4,5,6,6-Pentamethylhept-3-en-2-one (Acetyl diisoamylene, Z-, Koavone)     | 0.1 - 1 %    | Aquatic Chronic 2, H411 - Skin Sens. 1, H317   | - |
| CAS No: 91-64-5<br>EC No: 202-086-7  | Coumarin  | 0.1 - 1 %    | Acute Tox. 4, H302 - STOT RE 2, H373 - Skin Sens. 1, H317  | - |
| CAS No: 123-35-3<br>EC No: 204-622-5<br>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: 76-22-2<br>EC No: 200-945-0<br>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<br>EC No: 201-291-9<br>Registration No: 01-2119519223-49-XXXX  | alpha-Pinene  | 0 - 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 | - |

(\*)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.

### 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 flammable, 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.



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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.

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-authorised 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.

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## 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        |                   |
| 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  |           |                   |

[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).

[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.

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Concentration levels DNEL/DMEL:

| NAME  | DNEL/DMEL        | TYPE                                  | VALUE                     |
|---|------------------|---------------------------------------|---------------------------|
| ethanol, ethyl alcohol<br>CAS No: 64-17-5<br>EC No: 200-578-6                         | DNEL (Workers)   | Inhalation, Chronic, Systemic effects | 950 (mg/m <sup>3</sup> )  |
| propan-2-ol, isopropyl alcohol, isopropanol<br>CAS No: 67-63-0<br>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<br>CAS No: 115-95-7<br>EC No: 204-116-4                               | DNEL (Workers)   | Inhalation, Chronic, Systemic effects | 2,75 (mg/m <sup>3</sup> ) |
| Dihydromyrcenol (2,6-Dimethyloct-7-en-2-ol)<br>CAS No: 18479-58-8<br>EC No: 242-362-4 | DNEL (Workers)   | Inhalation, Chronic, Systemic effects | 73,5 (mg/m <sup>3</sup> ) |
| (R)-p-mentha-1,8-diene, d-limonene<br>CAS No: 5989-27-5<br>EC No: 227-813-5           | DNEL (Workers)   | Inhalation, Chronic, Systemic effects | 33,3 (mg/m <sup>3</sup> ) |
| Benzyl acetate<br>CAS No: 140-11-4<br>EC No: 205-399-7                                | DNEL (Workers)   | Inhalation, Chronic, Systemic effects | 21,9 (mg/m <sup>3</sup> ) |
| 7-methyl-3-methyleneocta-1,6-diene<br>CAS No: 123-35-3<br>EC No: 204-622-5            | DNEL (Workers)   | Inhalation, Chronic, Systemic effects | 5,83 (mg/m <sup>3</sup> ) |
| alpha-Pinene<br>CAS No: 80-56-8<br>EC No: 201-291-9                                   | 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<br>CAS No: 64-17-5<br>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<br>CAS No: 67-63-0<br>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)             |
|  | oral (Hazard for predators)  | 160 (mg/kg food)        |

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. |









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| 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: vanilla.

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: 88 °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

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: 60,124 (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: 0,824 (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

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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:

- CO<sub>x</sub> (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<br><br>CAS No: 67-63-0      EC No: 200-661-7 | Oral           | LD50 | Rat    | 5050 mg/kg bw [1]<br>[1] <i>Gigiena i Sanitariya</i> . For English translation, see HYSAAV. Vol. 43(1), Pg. 8, 1978 |
|  | Dermal         | LD50 | Rabbit | 12800 mg/kg bw [1]<br>[1] <i>Raw Material Data Handbook, Vol.1: Organic Solvents, 1974. Vol. 1, Pg. 100, 1974</i>   |
|  | Inhalation     | LC50 | Rat    | >10000 ppm (6 h) [1]<br>[1] <i>OECD Guideline 403 (Acute Inhalation Toxicity), study report, 1991</i>               |

#### a) acute toxicity;

Not conclusive data for classification.

#### Acute Toxicity Estimate (ATE):

Mixtures:

ATE (Oral) = 44.810 mg/kg

#### 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 sensitiser, Category 1: May cause an allergic skin reaction.





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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;  
Based on available data, the classification criteria are not met.

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<br>CAS No: 67-63-0 EC No: 200-661-7 | Fish                  | LC50<br>[1] Brooke, L.T., D.J. Call, D.L. Geiger, and C.E. Northcott 1984. Acute Toxicities of Organic Chemicals to Fathead Minnows ( <i>Pimephales promelas</i> ), 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<br>[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<br>[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    |
| ethanol, ethyl alcohol<br>CAS No: 64-17-5 EC No: 200-578-6                      | -0,3            | -   | -     | Very low |
| propan-2-ol, isopropyl alcohol, isopropanol<br>CAS No: 67-63-0 EC No: 200-661-7 | 0,05            | -   | -     | Very low |
| Linalyl acetate<br>CAS No: 115-95-7 EC No: 204-116-4                            | 3,93            | -   | -     | Moderate |
| Anisaldehyde (p-Methoxybenzaldehyde)<br>CAS No: 123-11-5 EC No: 204-602-6       | 1,65            | -   | -     | Very low |
| (R)-p-mentha-1,8-diene, d-limonene<br>CAS No: 5989-27-5 EC No: 227-813-5        | 4,83            | -   | -     | High     |
| Benzyl acetate<br>CAS No: 140-11-4 EC No: 205-399-7                             | 1,96            | -   | -     | Very low |
| Camphor<br>CAS No: 76-22-2 EC No: 200-945-0                                     | 2,34            | -   | -     | Low      |
| alpha-Pinene<br>CAS No: 80-56-8 EC No: 201-291-9                                | 4,48            | -   | -     | High     |

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#### 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

#### 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.

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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): 84,48 %  
VOC content: 696,533 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.  |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| 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  
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 RE 2: Specific target organ toxicity following a repeated exposure, 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.



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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.