

## Safety data sheet

gemäß 1907/2006/EG, Artikel 31

Printing date 14.11.2013

Version 32

Revision: 14.11.2013

### 1. Identification of the substance/mixture and of the company/undertaking

◊ **Product identifier**

- ◊ Trade name: **Lavendelöl rekt. EuAB / 01-04825-00**
- ◊ Article number: P0140033
- ◊ Registration number -
- ◊ Relevant identified uses of the substance or mixture and uses advised against No further relevant information available.
- ◊ Application of the substance / the mixture Flavour/Fragrance

◊ **Details of the supplier of the safety data sheet**

- ◊ Manufacturer/Supplier:  
Frey & Lau GmbH  
Immenhacken 12, D-24558 Henstedt-Ulzburg  
Tel:++49-4193-9953 Fax: +49-4193-9955-80
- ◊ Further information obtainable from:  
Sachkundige Person Frey + Lau  
info@freylau.de
- ◊ Emergency telephone number: ++49-40-54.77.99.56 WAKO

### 2. Hazards identification

◊ **Classification of the substance or mixture**

- ◊ Classification according to Regulation (EC) No 1272/2008  
Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

- ◊ Classification according to Directive 67/548/EEC or Directive 1999/45/EC

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

- ◊ Information concerning particular hazards for human and environment:  
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

- ◊ Classification system:  
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

◊ **Label elements**

- ◊ Labelling according to Regulation (EC) No 1272/2008 The product is classified and labelled according to the CLP regulation.
- ◊ Hazard pictograms Void
- ◊ Signal word Void
- ◊ Hazard statements  
H412 Harmful to aquatic life with long lasting effects.
- ◊ Precautionary statements  
P273 Avoid release to the environment.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- ◊ Additional information:  
Contains DIPENTENE, 3,7-Dimethylocta-2,6-dien-1-ole, Citronellol. May produce an allergic reaction.
- ◊ **Other hazards**
- ◊ Results of PBT and vPvB assessment
- ◊ PBT: Not applicable.
- ◊ vPvB: Not applicable.

### 3. Composition/information on ingredients

- ◊ **Chemical characterization: Mixtures**
- ◊ Description: Mixture of substances listed below with nonhazardous additions.

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◇ **Dangerous components:**

CAS: 562-74-3	p-Menth-1-en-4-ol	1-2,49%
EINECS: 209-235-5 Xn R22; Xi R38		
Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319		
CAS: 99-87-6	p-Cymene	1-2,49%
EINECS: 202-796-7 Xn R65; N R51/53		
R10		
Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411		
CAS: 470-82-6	1,8-Cineol	1-2,49%
EINECS: 207-431-5 R10		
Flam. Liq. 3, H226		
CAS: 79-92-5	Camphene	<1%
EINECS: 201-234-8 Xi R36; F R11; N R50/53		
Flam. Sol. 1, H228; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Eye Irrit. 2A, H319		
CAS: 106-24-1	3,7-Dimethylocta-2,6-dien-1-ole	<1%
EINECS: 203-377-1 Xi R38-41; Xi R43		
Eye Dam. 1, H318; Skin Irrit. 2, H315; Skin Sens. 1, H317		
CAS: 138-86-3	DIPENTENE	<1%
EINECS: 205-341-0 Xn R65; Xi R38; Xi R43; N R50/53		
R10		
Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 1, H410; Skin Irrit. 2, H315; Skin Sens. 1B, H317		
CAS: 106-22-9	Citronellol	<1%
EINECS: 203-375-0 Xi R38; Xi R43; N R51/53		
Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Skin Sens. 1, H317		

◇ **Additional information:** For the wording of the listed risk phrases refer to section 16.

#### 4. First aid measures

◇ **Description of first aid measures**

- ◇ **After skin contact:** Generally the product does not irritate the skin.
- ◇ **After eye contact:** Rinse opened eye for several minutes under running water.
- ◇ **After swallowing:** If symptoms persist consult doctor.
- ◇ **Information for doctor:**
- ◇ **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- ◇ **Indication of any immediate medical attention and special treatment needed** No further relevant information available.

#### 5. Firefighting measures

◇ **Extinguishing media**

- ◇ **Suitable extinguishing agents:** CO<sub>2</sub>, sand, extinguishing powder. Do not use water.
- ◇ **For safety reasons unsuitable extinguishing agents:** Water
- ◇ **Special hazards arising from the substance or mixture** No further relevant information available.
- ◇ **Advice for firefighters**
- ◇ **Protective equipment:** No special measures required.

#### 6. Accidental release measures

- ◇ **Personal precautions, protective equipment and emergency procedures** Not required.

◇ **Environmental precautions:**

Do not allow product to reach sewage system or any water course.  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.

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◊ **Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

Treat with 2 % sodium hydroxide solution.

◊ **Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

### 7. Handling and storage

◊ **Handling:**

◊ Precautions for safe handling Ensure good ventilation/exhaustion at the workplace.

◊ Information about fire - and explosion protection: No special measures required.

◊ **Conditions for safe storage, including any incompatibilities**

◊ Storage:

◊ Requirements to be met by storerooms and receptacles: No special requirements.

◊ Information about storage in one common storage facility: Not required.

◊ Further information about storage conditions: None.

◊ **Specific end use(s)** No further relevant information available.

### 8. Exposure controls/personal protection

◊ **Additional information about design of technical facilities:** No further data; see item 7.

◊ **Control parameters**

◊ **Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

◊ **Additional information:** The lists valid during the making were used as basis.

◊ **Exposure controls**

◊ **Personal protective equipment:**

◊ **General protective and hygienic measures:** Wash hands before breaks and at the end of work.

◊ **Respiratory protection:** Use suitable respiratory protective device in case of insufficient ventilation.

◊ **Protection of hands:**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

◊ **Material of gloves** The multichemical-resistant glove Barrier 02-100 is recommended.

◊ **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

◊ **Eye protection:** Goggles recommended during refilling

### 9. Physical and chemical properties

◊ **Information on basic physical and chemical properties**

◊ **General Information**

◊ **Appearance:**

Form: Fluid

Colour: Yellowish

◊ **Odour:** Characteristic

◊ **Odour threshold:** Not determined.

◊ **pH-value:** Not determined.

◊ **Melting point/Melting range:** Undetermined.

◊ **Flash point:** 66 °C

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- ◊ **Flammability (solid, gaseous):** Not applicable.
- ◊ **Ignition temperature:**
  - Decomposition temperature: Not determined.
- ◊ **Self-igniting:** Not determined.
- ◊ **Danger of explosion:** Not determined.
- ◊ **Explosion limits:**
  - Lower: Not determined.
  - Upper: Not determined.
- ◊ **Density at 20 °C:** 0,884 g/cm<sup>3</sup>
- ◊ **Relative density:** Not determined.
- ◊ **Vapour density:** Not determined.
- ◊ **Evaporation rate:** Not determined.
- ◊ **Solubility in / Miscibility with water:** Not miscible or difficult to mix.
- ◊ **Partition coefficient (n-octanol/water):** Not determined.
- ◊ **Other information:** No further relevant information available.

### 10. Stability and reactivity

- ◊ **Reactivity**
- ◊ **Chemical stability**
- ◊ **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- ◊ **Possibility of hazardous reactions:** No dangerous reactions known.
- ◊ **Conditions to avoid:** No further relevant information available.
- ◊ **Incompatible materials:** No further relevant information available.
- ◊ **Hazardous decomposition products:** No dangerous decomposition products known.

### 11. Toxicological information

- ◊ **Information on toxicological effects**
- ◊ **Acute toxicity:**
- ◊ **Primary irritant effect:**
  - on the skin: No irritant effect.
  - on the eye: No irritating effect.
- ◊ **Sensitization:** No sensitizing effects known.

### 12. Ecological information

- ◊ **Toxicity**
- ◊ **Aquatic toxicity:** No further relevant information available.
- ◊ **Persistence and degradability:** No further relevant information available.
- ◊ **Behaviour in environmental systems:**
  - Bioaccumulative potential: No further relevant information available.
  - Mobility in soil: No further relevant information available.
- ◊ **Ecotoxicological effects:**
  - Remark: Harmful to fish
- ◊ **Additional ecological information:**
  - General notes:
    - Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
    - Do not allow product to reach ground water, water course or sewage system.
    - Danger to drinking water if even small quantities leak into the ground.

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Harmful to aquatic organisms

◊ **Results of PBT and vPvB assessment**

◊ PBT: Not applicable.

◊ vPvB: Not applicable.

◊ **Other adverse effects** No further relevant information available.

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### 13. Disposal considerations

◊ **Waste treatment methods**

◊ Recommendation Must not be disposed together with household garbage. Do not allow product to reach sewage system.

◊ **Uncleaned packaging:**

◊ Recommendation: Disposal must be made according to official regulations.

### 14. Transport information

◊ **UN-Number**

◊ ADR, ADN, IMDG, IATA

Void

◊ **UN proper shipping name**

◊ ADR, ADN, IMDG, IATA

Void

◊ **Transport hazard class(es)**

◊ ADR, ADN, IMDG, IATA

◊ Class

Void

◊ **Packing group**

◊ ADR, IMDG, IATA

Void

◊ **Environmental hazards:**

◊ Marine pollutant:

No

◊ **Special precautions for user**

Not applicable.

◊ **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

◊ **UN "Model Regulation":**

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### 15. Regulatory information

◊ **Safety, health and environmental regulations/legislation specific for the substance or mixture**

◊ Labelling according to Regulation (EC) No 1272/2008 The product is classified and labelled according to the CLP regulation.

◊ Hazard pictograms Void

◊ Signal word Void

◊ Hazard statements

H412 Harmful to aquatic life with long lasting effects.

◊ Precautionary statements

P273 Avoid release to the environment.

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

◊ National regulations:

◊ Classification according to VbF: A III

◊ Waterhazard class: Water hazard class 2 (Self-assessment): hazardous for water.

◊ **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16. Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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◊ **Relevant phrases**

- 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.*
- H318 *Causes serious eye damage.*
- H319 *Causes serious eye irritation.*
- H400 *Very toxic to aquatic life.*
- H410 *Very toxic to aquatic life with long lasting effects.*
- H411 *Toxic to aquatic life with long lasting effects.*
- R10 *Flammable.*
- R11 *Highly flammable.*
- R22 *Harmful if swallowed.*
- R36 *Irritating to eyes.*
- R38 *Irritating to skin.*
- R41 *Risk of serious damage to eyes.*
- R43 *May cause sensitisation by skin contact.*
- R50/53 *Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.*
- R51/53 *Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.*
- R65 *Harmful: may cause lung damage if swallowed.*

◊ **Department issuing MSDS: Regulatory Affairs**

◊ **Contact: Dr. Maja Zippel**

◊ **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organization

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)

VbF: Verordnung über brennbare Flüssigkeiten, Österreich (Ordinance on the storage of combustible liquids, Austria)

◊ \* **Data compared to the previous version altered.**