

## Safety data sheet

gemäß 1907/2006/EG, Artikel 31

Printing date 14.11.2013

Version 22

Revision: 14.11.2013

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

#### ◇ Product identifier

- ◇ Trade name: **Natürl.Blüten-Aroma Typ Lindenblüte/01733200**
- ◇ Article number: P0613374
- ◇ 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-Dimethyl-2,6-octadien-1-al (cis und trans). 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.

(Contd. on page 2)

DE

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(Contd. of page 1)

◊ **Dangerous components:**

CAS: 100-51-6	Benzyl alcohol	2,5-4,99%
EINECS: 202-859-9	Xn R20/22; Xi R36	
	Acute Tox. 4, H302; Eye Irrit. 2, H319	
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: 5392-40-5	3,7-Dimethyl-2,6-octadien-1-al (cis und trans)	<1%
EINECS: 226-394-6	Xi R38; Xi R43	
	Skin Irrit. 2, H315; Eye Irrit. 2, H319; 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 inhalation:** Supply fresh air; consult doctor in case of complaints.
- ◊ **After skin contact:** Generally the product does not irritate the skin.
- ◊ **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- ◊ **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.

◊ **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.

DE

(Contd. on page 3)

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(Contd. of page 2)

### 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:*
- 57-55-6 1,2-Propylene glycol**  
MAK vgl.Abschn.IIb
- 100-51-6 Benzyl alcohol**  
MAK vgl.Abschn.IIb
- 138-86-3 DIPENTENE**  
MAK vgl.Abschn.IIb
- ◊ *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:*
- Protective gloves*
- 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 selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.*
- 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: Safety glasses*

### 9. Physical and chemical properties

- ◊ **Information on basic physical and chemical properties**
- ◊ **General Information**
- ◊ **Appearance:**
- Form: Fluid
- Colour: Yellow
- ◊ **Odour:** Characteristic
- ◊ **Odour threshold:** Not determined.
- ◊ **pH-value:** Not determined.
- ◊ **Melting point/Melting range:** Undetermined.

(Contd. on page 4)

## Safety data sheet

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(Contd. of page 3)

- ◊ **Flash point:** 97 °C
- ◊ **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:** 1,072 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 1 (German Regulation) (Self-assessment): slightly hazardous for water

(Contd. on page 5)

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(Contd. of page 4)

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Harmful to aquatic organisms

◊ **Results of PBT and vPvB assessment**

◊ PBT: Not applicable.

◊ vPvB: Not applicable.

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

### 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:

◊ Waterhazard class: Water hazard class 1 (Self-assessment): slightly 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.

(Contd. on page 6)

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(Contd. of page 5)

◊ **Relevant phrases**

- H226 *Flammable liquid and vapour.*  
 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.*  
 H410 *Very toxic to aquatic life with long lasting effects.*
- R10 *Flammable.*  
 R20/22 *Harmful by inhalation and if swallowed.*  
 R36 *Irritating to eyes.*  
 R38 *Irritating to skin.*  
 R43 *May cause sensitisation by skin contact.*  
 R50/53 *Very 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)*

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