

## Safety data sheet

according to 1907/2006/EC, Article 31

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

#### ◊ 1.1 Product identifier

◊ Trade name: **Chamomile oil blue**

◊ Article number: P0115610

◊ Registration number -

◊ **1.2 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

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

◊ Manufacturer/Supplier:

Frey & Lau GmbH

Immenhacker 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

◊ **1.4 Emergency telephone number:** ++49-40-54.77.99.56 WAKO

### . SECTION 2: Hazards identification

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

◊ Classification according to Regulation (EC) No 1272/2008

Skin Irrit. 2 H315 Causes skin irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

#### ◊ 2.2 Label elements

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

◊ Hazard pictograms



GHS07 GHS08

◊ Signal word Danger

◊ Hazard-determining components of labelling:

4-(1,5-Dimethyl-4-hexenyliden)-1-methylcyclohexene

(R\*, R\*)-alpha, 4-Dimethyl-alpha-(4-methyl-3-pentyl)cyclohex-3-en-1-methanol

◊ Hazard statements

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H304 May be fatal if swallowed and enters airways.

H412 Harmful to aquatic life with long lasting effects.

◊ Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P321 Specific treatment (see on this label).

P405 Store locked up.

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

#### ◊ 2.3 Other hazards

◊ Results of PBT and vPvB assessment

◊ PBT: Not applicable.

◊ vPvB: Not applicable.

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### . SECTION 3: Composition/information on ingredients

#### ◊ 3.2 Chemical characterisation: Mixtures

- ◊ CAS-No: 84082-60-0
- ◊ EINECS-No: 282-006-5
- ◊ Description: Mixture of substances listed below with nonhazardous additions.

#### ◊ Dangerous components:

- |                   |  |         |
|-------------------|--|---------|
| CAS: 495-62-5     | 4-(1,5-Dimethyl-4-hexenyliden)-1-methylcyclohexene                           | >25-50% |
| EINECS: 207-805-8 | Asp. Tox. 1, H304; Skin Irrit. 2, H315; Skin Sens. 1B, H317                  |         |
| CAS: 515-69-5     | (R*, R*)-alpha, 4-Dimethyl-alpha-(4-methyl-3-pentyl)cyclohex-3-en-1-methanol | >10-20% |
| EINECS: 208-205-9 | Aquatic Chronic 2, H411; Skin Sens. 1, H317                                  |         |
- ◊ Additional information: For the wording of the listed risk phrases refer to section 16.

### . SECTION 4: First aid measures

#### ◊ 4.1 Description of first aid measures

- ◊ General information: Immediately remove any clothing soiled by the product.
- ◊ After inhalation:  
Supply fresh air and to be sure call for a doctor.  
In case of unconsciousness place patient stably in side position for transportation.
- ◊ After skin contact: Immediately wash with water and soap and rinse thoroughly.
- ◊ After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
- ◊ After swallowing: Drink plenty of water and provide fresh air. Call for a doctor immediately.
- ◊ 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- ◊ 4.3 Indication of any immediate medical attention and special treatment needed No further relevant information available.

### . SECTION 5: Firefighting measures

#### ◊ 5.1 Extinguishing media

- ◊ Suitable extinguishing agents:  
CO<sub>2</sub>, sand, extinguishing powder. Do not use water.  
Use fire extinguishing methods suitable to surrounding conditions.
- ◊ For safety reasons unsuitable extinguishing agents: Water with full jet
- ◊ 5.2 Special hazards arising from the substance or mixture During heating or in case of fire poisonous gases are produced.
- ◊ 5.3 Advice for firefighters
- ◊ Protective equipment: No special measures required.

### . SECTION 6: Accidental release measures

- ◊ 6.1 Personal precautions, protective equipment and emergency procedures Not required.
- ◊ 6.2 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.
- ◊ 6.3 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.  
Ensure adequate ventilation.
- ◊ 6.4 Reference to other sections  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

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### . SECTION 7: Handling and storage

- ◊ **7.1 Precautions for safe handling** Prevent formation of aerosols.
- ◊ **Information about fire - and explosion protection:** No special measures required.
- ◊ **7.2 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:** Keep container tightly sealed.
- ◊ **7.3 Specific end use(s)** No further relevant information available.

### . SECTION 8: Exposure controls/personal protection

- ◊ **Additional information about design of technical facilities:** No further data; see item 7.
- ◊ **8.1 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.
- ◊ **8.2 Exposure controls**
- ◊ **Personal protective equipment:**
- ◊ **General protective and hygienic measures:**  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Avoid contact with the skin.  
Avoid contact with the eyes and skin.
- ◊ **Respiratory protection:** Not required.
- ◊ **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:** Goggles recommended during refilling

### . SECTION 9: Physical and chemical properties

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

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- ◊ **Flash point:** > 100 °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:** 0,957 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.
- ◊ **9.2 Other information** No further relevant information available.

### . SECTION 10: Stability and reactivity

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

### . SECTION 11: Toxicological information

- ◊ **11.1 Information on toxicological effects**
- ◊ **Acute toxicity** Based on available data, the classification criteria are not met.
- ◊ **Primary irritant effect:**
- ◊ **Skin corrosion/irritation**  
Causes skin irritation.
- ◊ **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- ◊ **Respiratory or skin sensitisation**  
May cause an allergic skin reaction.
- ◊ **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- ◊ **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- ◊ **Carcinogenicity** Based on available data, the classification criteria are not met.
- ◊ **Reproductive toxicity** Based on available data, the classification criteria are not met.
- ◊ **STOT-single exposure** Based on available data, the classification criteria are not met.
- ◊ **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- ◊ **Aspiration hazard**  
May be fatal if swallowed and enters airways.

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### . SECTION 12: Ecological information

- ◊ **12.1 Toxicity**
- ◊ Aquatic toxicity: No further relevant information available.
- ◊ **12.2 Persistence and degradability** No further relevant information available.
- ◊ **12.3 Bioaccumulative potential** No further relevant information available.
- ◊ **12.4 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.
- Harmful to aquatic organisms
- ◊ **12.5 Results of PBT and vPvB assessment**
- ◊ PBT: Not applicable.
- ◊ vPvB: Not applicable.
- ◊ **12.6 Other adverse effects** No further relevant information available.

### . SECTION 13: Disposal considerations

- ◊ **13.1 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.

### . SECTION 14: Transport information

- ◊ **14.1 UN-Number**
- ◊ ADR, ADN, IMDG, IATA
- Void
- ◊ **14.2 UN proper shipping name**
- ◊ ADR, ADN, IMDG, IATA
- Void
- ◊ **14.3 Transport hazard class(es)**
- ◊ ADR, ADN, IMDG, IATA
- ◊ Class
- Void
- ◊ **14.4 Packing group**
- ◊ ADR, IMDG, IATA
- Void
- ◊ **14.5 Environmental hazards:**
- ◊ Marine pollutant:
- No
- ◊ **14.6 Special precautions for user**
- Not applicable.
- ◊ **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**
- Not applicable.
- ◊ UN "Model Regulation":
- Void

### . SECTION 15: Regulatory information

- ◊ **15.1 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



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- ◊ Signal word *Danger*
- ◊ Hazard-determining components of labelling:  
4-(1,5-Dimethyl-4-hexenyliden)-1-methylcyclohexene  
(R\*, R\*)-alpha, 4-Dimethyl-alpha-(4-methyl-3-pentyl)cyclohex-3-en-1-methanol
- ◊ Hazard statements  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H304 May be fatal if swallowed and enters airways.  
H412 Harmful to aquatic life with long lasting effects.
- ◊ Precautionary statements  
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.  
P321 Specific treatment (see on this label).  
P405 Store locked up.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- ◊ Directive 2012/18/EU
- ◊ Named dangerous substances - ANNEX I None of the ingredients is listed.
- ◊ **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### . SECTION 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.*

- ◊ Relevant phrases  
H304 May be fatal if swallowed and enters airways.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H411 Toxic to aquatic life with long lasting effects.
- ◊ 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 Organisation  
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 Harmonised 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)  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2  
Skin Sens. 1: Sensitisation - Skin, Hazard Category 1  
Skin Sens. 1B: Sensitisation - Skin, Hazard Category 1B  
Asp. Tox. 1: Aspiration hazard, Hazard Category 1  
Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2  
Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3
- ◊ \* Data compared to the previous version altered.