

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 04.09.2019

Version 53

Revision: 04.09.2019

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

◊ **1.1 Product identifier**

◊ Trade name: **Cedernholzöl Virginia**

◊ Article number: S0100343

◊ 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

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

◊ **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 Sens. 1 H317 May cause an allergic skin reaction.

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

Aquatic Acute 1 H400 Very toxic to aquatic life.

Aquatic Chronic 1 H410 Very toxic 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 GHS09

◊ Signal word Danger

◊ Hazard-determining components of labelling:

alpha-Cedrene

beta-Caryophyllene

l.-alpha.-Pinene

DIPENTENE

◊ Hazard statements

H317 May cause an allergic skin reaction.

H304 May be fatal if swallowed and enters airways.

H410 Very toxic to aquatic life with long lasting effects.

◊ Precautionary statements

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

P321 Specific treatment (see on this label).

P331 Do NOT induce vomiting.

P362+P364 Take off contaminated clothing and wash it before reuse.

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: 85085-41-2
- ◊ EINECS-No: 285-370-3
- ◊ Description: Mixture of substances listed below with nonhazardous additions.

◊ **Dangerous components:**

CAS: 469-61-4	alpha-Cedrene	>20-<25%
EINECS: 207-418-4 Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410		
CAS: 77-53-2	Cedrol	>20-<25%
EINECS: 201-035-6 Aquatic Chronic 2, H411		
CAS: 546-28-1	Cedren	>5-<10%
EINECS: 208-898-8 Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Irrit. 2, H315; Eye Irrit. 2, H319		
CAS: 87-44-5	beta-Caryophyllene	1-2,5%
EINECS: 201-746-1 Asp. Tox. 1, H304; Skin Sens. 1B, H317		
CAS: 7785-26-4	l-alpha-Pinene	≥0,25-<1%
EINECS: 232-077-3 Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Irrit. 2, H315; Skin Sens. 1B, H317		
CAS: 138-86-3	DIPENTENE	≥0,25-<1%
EINECS: 205-341-0 Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Irrit. 2, H315; Skin Sens. 1B, H317		

◊ Additional information: For the wording of the listed hazard 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; consult doctor in case of complaints.  
 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.
- ◊ After swallowing: If symptoms persist consult doctor.
- ◊ **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.

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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.

See Section 13 for disposal information.

**. 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.

◊ Storage class: 10

◊ **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.

◊ 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 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:

Light yellow to light brown

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- ◊ Odour: Characteristic
- ◊ Odour threshold: Not determined.
- ◊ pH-value: Not determined.
- ◊ Melting point/freezing point: Undetermined.
- ◊ Flash point: >100 °C
- ◊ Flammability (solid, gas): Not applicable.
- ◊ Decomposition temperature: Not determined.
- ◊ Auto-ignition temperature: Not determined.
- ◊ Explosive properties: Not determined.
- ◊ Explosion limits:
  - Lower: Not determined.
  - Upper: Not determined.
- ◊ Density at 20 °C: 0,961 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.
- ◊ VOC (EC) 1,10 %
- ◊ **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 Based on available data, the classification criteria are not met.
- ◊ 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:
  - Very toxic for fish
  - Toxic for fish
  - Very toxic for water fleas.
  - Toxic for water fleas
  - Very toxic for algae
  - Toxic for algae
- ◊ 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.
  - Also poisonous for fish and plankton in water bodies.
  - Very toxic for 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, IMDG, IATA UN3082
- ◊ **14.2 UN proper shipping name**
- ◊ ADR ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Cedren, Cedrol)
- ◊ IMDG ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Cedren, Cedrol), MARINE POLLUTANT
- ◊ IATA ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (containing Cedren, Cedrol)
- ◊ **14.3 Transport hazard class(es)**
- ◊ ADR
- ◊ Class 9 (M6) Miscellaneous dangerous substances and articles.
- ◊ Label 9
- 
- ◊ IMDG, IATA
- ◊ Class 9 Miscellaneous dangerous substances and articles.
- ◊ Label 9
- ◊ **14.4 Packing group**
- ◊ ADR, IMDG, IATA III

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<ul style="list-style-type: none"> <li>◊ <b>14.5 Environmental hazards:</b></li> <li>◊ Marine pollutant:</li>   <li>◊ Special marking (ADR):</li> <li>◊ Special marking (IATA):</li> <li>◊ <b>14.6 Special precautions for user</b></li> <li>◊ Danger code (Kemler):</li> <li>◊ EMS Number:</li> <li>◊ Stowage Category</li> <li>◊ <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b></li>   <li>◊ Transport/Additional information:</li>   <li>◊ ADR</li> <li>◊ Limited quantities (LQ)</li> <li>◊ Excepted quantities (EQ)</li>   <li>◊ Transport category</li> <li>◊ Tunnel restriction code</li>   <li>◊ IMDG</li> <li>◊ Limited quantities (LQ)</li> <li>◊ Excepted quantities (EQ)</li>   <li>◊ UN "Model Regulation":</li> </ul>	<p>Product contains environmentally hazardous substances: Cedren                  Yes                  Symbol (fish and tree)                  Symbol (fish and tree)                  Symbol (fish and tree)                  Warning: Miscellaneous dangerous substances and articles.                  90                  F-A,S-F                  A                  Not applicable.</p> <hr style="border-top: 1px dashed black;"/> <p>5L                  Code: E1                  Maximum net quantity per inner packaging: 30 ml                  Maximum net quantity per outer packaging: 1000 ml</p> <p>3                  -</p> <hr style="border-top: 1px dashed black;"/> <p>5L                  Code: E1                  Maximum net quantity per inner packaging: 30 ml                  Maximum net quantity per outer packaging: 1000 ml                  UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE,                  LIQUID, N.O.S. (CEDREN, CEDROL), 9, III</p>
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**. SECTION 15: Regulatory information**

- ◊ **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**  
 822.115, Jugendarbeitsschutzverordnung - ArGV 5 und 822.115.2, Verordnung des WBF über gefährliche Arbeiten für Jugendliche sind zu beachten.  
 ArGV 1 und 822.111.52, Verordnung des WBF über gefährliche und beschwerliche Arbeiten bei Schwangerschaft und Mutterschaft sind nicht zutreffend.
- ◊ Labelling according to Regulation (EC) No 1272/2008 The product is classified and labelled according to the CLP regulation.
- ◊ Hazard pictograms  


  
 GHS07 GHS08 GHS09
- ◊ Signal word Danger
- ◊ Hazard-determining components of labelling:  
 alpha-Cedrene  
 beta-Caryophyllene  
 l.-alpha.-Pinene  
 DIPENTENE
- ◊ Hazard statements  
 H317 May cause an allergic skin reaction.  
 H304 May be fatal if swallowed and enters airways.  
 H410 Very toxic to aquatic life with long lasting effects.
- ◊ Precautionary statements  
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.  
 P321 Specific treatment (see on this label).  
 P331 Do NOT induce vomiting.  
 P362+P364 Take off contaminated clothing and wash it before reuse.

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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.
- ◊ Seveso category E1 Hazardous to the Aquatic Environment
- ◊ Qualifying quantity (tonnes) for the application of lower-tier requirements 100 t
- ◊ Qualifying quantity (tonnes) for the application of upper-tier requirements 200 t
- ◊ REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3
- ◊ National regulations:
- ◊ Waterhazard class: Klasse A (Self-assessment)
- ◊ **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
  - H226 Flammable liquid and vapour.
  - 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.
  - 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.
- ◊ Department issuing SDS: 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)
  - VOC: Volatile Organic Compounds (USA, EU)
  - PBT: Persistent, Bioaccumulative and Toxic
  - vPvB: very Persistent and very Bioaccumulative
  - Flam. Liq. 3: Flammable liquids – Category 3
  - Skin Irrit. 2: Skin corrosion/irritation – Category 2
  - Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
  - Skin Sens. 1: Skin sensitisation – Category 1
  - Skin Sens. 1B: Skin sensitisation – Category 1B
  - Asp. Tox. 1: Aspiration hazard – Category 1
  - Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
  - Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
  - Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
- ◊ \* Data compared to the previous version altered.