

# Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



## 73736 Fir Cone Oil

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Revised edition: 15.04.2014

Version: 2

Printed: 03.04.2017

### 1. Identification of the Substance/Mixture and of the Company/Undertaking

#### 1.1. Product Identifier

Product Name: Fir Cone Oil

Article No.: 73736

#### 1.2. Relevant identified Uses of the Substance or Mixture and Uses advised against

Identified uses:

Uses advised against:  
Perfume, fragrances

#### 1.3. Details of the Supplier of the Safety Data Sheet (Producer/Importer)

Company: Kremer Pigmente GmbH & Co. KG

Address: Hauptstr. 41-47, 88317 Aichstetten, Germany

Tel./Fax.: Tel +49 7565 914480, Fax +49 7565 1606

Internet: www.kremer-pigmente.de

E-Mail: info@kremer-pigmente.de

Importer: --

#### 1.4. Emergency No.

Emergency No.: +49 7565 914480 (Mon-Fri 8:00 - 17:00)

### 2. Hazards Identification

#### 2.1. Classification of the Substance or Mixture

Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)

Flammable liquids, hazard category 3  
Aspiration hazard, hazard category 1  
Skin sensitization, hazard category 1  
Skin irritation, hazard category 2  
Chronic aquatic toxicity, hazard category 1

H226 Flammable liquid and vapour.

Cat.: 3  
H304 May be fatal if swallowed and enters airways.

Cat.: 1  
H315 Causes skin irritation.

Cat.: 2  
H317 May cause an allergic skin reaction.

Cat.: 1  
H410 Very toxic to aquatic life with long lasting effects.

Cat.: 1

Classification according to Directive No. 67/548/EC or No. 1999/45/EC

R10 Flammable.

Irritating (Xi) R43 May cause sensitization by skin contact.

Hazardous to the environment (N) R50 Very toxic to aquatic organisms.

Harmful (Xn) R53 May cause long-term adverse effects in the aquatic environment.

Harmful: May cause lung damage if swallowed. next page: 2

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R65

*Safety Phrases:*

*Possible Environmental Effects:*

### 2.2. Label Elements

*Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)*

*Hazard designation:*



GHS02-2



GHS07



GHS08



GHS09

*Signal word:*

Danger

*Hazard designation:*

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.
H410	Very toxic to aquatic life with long lasting effects.

*Safety designation:*

P210	Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.
P262	Do not get in eyes, on skin, or on clothing.
P282	Wear cold insulating gloves/ face shield/ eye protection.
P301+P330+P331	If swallowed: Rinse mouth. Do not induce vomiting.
P302+P352	If on skin: Wash with soap and water.

*Hazardous components for labelling:*

### 2.3. Other Hazards

## 3. Composition/Information on Ingredients

### 3.1. Substance

### 3.2. Mixture

*Chemical Characterization:*

Essential oil. CAS No. 8021-27-0; EINECS 289-870-2; FDA No. 172.510; REACH Reg. No. 01-2120110801-73-0000

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### Information on Components / Hazardous Ingredients:

Limonene (Xn,N; R10-38-43-50/53-65; H226-304-315-317-410)	60-70 %	CAS-Nr: 7705-14-8 EINECS-Nr: 231-732-0 EC-Nr:
beta-Pinene (Xn; R10-38-43-65; H228-304-315-317)	2-3.5 %	CAS-Nr: 127-91-3 EINECS-Nr: 204-872-5 EC-Nr:
alpha-Pinene (Xn; R10-38-43-65; H226-304-315-317)	15-23 %	CAS-Nr: 80-56-8 EINECS-Nr: 201-291-9 EC-Nr:
Camphene (Xi,N; R11-51/53; H228-319-400-410)	10-20 %	CAS-Nr: 79-92-5 EINECS-Nr: 201-234-8 EC-Nr:

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### Additional information:

#### 4. First Aid Measures

##### 4.1. Description of the First Aid Measures

###### General information:

*Take affected persons out into the fresh air.*

###### After inhalation:

*Supply fresh air and keep patient calm.  
In case of complaints consult a physician.*

###### After skin contact:

*Remove contaminated clothing immediately.  
Wash with soap and rinse with plenty of water.*

###### After eye contact:

*Rinse open eyes with plenty of water for at least 15 minutes.  
Consult physician.*

###### After ingestion:

*Rinse mouth with plenty of water.  
Do NOT induce vomiting. Consult a doctor.*

##### 4.2. Most important Symptoms and Effects, both Acute and Delayed

###### Symptoms:

*In case of vomiting: risk of aspiration.*

###### Effects:

*No further information available.*

##### 4.3. Indication of any Immediate Medical Attention and special Treatment needed

###### Treatment:

*Treat symptomatically.*

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#### 5. Fire-Fighting Measures

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### 5.1. Extinguishing Media

*Suitable extinguishing media:*

CO<sub>2</sub>, extinguishing powder, sand or earth.

*Unsuitable extinguishing media:*

Water with full jet.

### 5.2. Special Hazards arising from the Substance or Mixture

*Special hazards:*

In case of fire: formation of carbon monoxide and dioxide.

### 5.3. Advice for Firefighters

*Protective equipment:*

Wear self-contained respiratory protective device.

*Further information:*

Cool exposed containers with water spray.

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## 6. Accidental Release Measures

### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

*Personal precautions:*

Ensure adequate ventilation.

Wear appropriate protective equipment. Keep spectators away.

Avoid contact with skin, eyes and clothing.

### 6.2. Environmental Precautions

*Environmental precautions:*

Prevent contamination of soils, drains and surface water.

### 6.3. Methods and Material for Containment and Cleaning Up

*Methods and material:*

Contain with absorbent material (sand, diatomaceous earth, universal absorbent, Oil Dri) and dispose accordingly.

### 6.4. Reference to other Sections

See Section 13 for information on disposal.

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## 7. Handling and Storage

### 7.1. Precautions for Safe Handling

*Instructions on safe handling:*

Provide adequate ventilation.

Avoid the formation of aerosol.

*Hygienic measures:*

Do not eat or drink during work. Do not smoke.

### 7.2. Conditions for Safe Storage, including any Incompatibilities

*Storage conditions:*

Store in tightly sealed containers in a cool and well ventilated location.

Do not store together with food stuff and animal feed.

*Requirements for storage areas and*

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*containers:*

*No special measures necessary.*

*Information on fire and explosion protection:*

*Keep away from sources of ignition - do not smoke.*

*Flammability class: B*

*Storage class (VCI):*

*3: Flammable liquids*

*Further Information:*

### 7.3. Specific End Use(s)

*Further information:*

*No information available.*

## 8. Exposure Controls/Personal Protection

### 8.1. Parameters to be Controlled

*None known*

*Parameters to be controlled (DE):*

*Parameters to be controlled:*

*Derived No-Effect Level (DNEL):*

*Predicted No-Effect Concentration (PNEC):*

*Additional Information:*

### 8.2. Exposure Controls

*Technical protective measures:*

*Provide adequate ventilation.*

*Personal Protection*

*General protective measures:*

*Keep away from foodstuffs and drinks. Do not eat, drink or smoke during work. Wash hands before breaks and at the end of work. Avoid contact with eyes and skin.*

*Respiratory protection:*

*Required in case of insufficient ventilation (EN 143 or 149).*

*Hand protection:*

*Protective gloves (EN 374)*

*Protective glove material:*

*Eye protection:*

*Safety glasses (EN 166)*

*Body protection:*

*Environmental precautions:*

*No special measures required.*

## 9. Physical and Chemical Properties

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### 9.1. Information on Basic Physical and Chemical Properties

<i>Form:</i>	<i>liquid</i>
<i>Color:</i>	<i>colorless</i>
<i>Odor:</i>	<i>characteristic</i>
<i>Odor threshold:</i>	<i>No information available.</i>
<i>pH-Value:</i>	<i>not determined</i>
<i>Melting temperature:</i>	<i>not applicable</i>
<i>Boiling temperature:</i>	<i>not available</i>
<i>Flash point:</i>	<i>33°C</i>
<i>Evaporation rate:</i>	<i>No information available.</i>
<i>Flammability (solid, gas):</i>	<i>255°C</i>
<i>Upper explosion limit:</i>	<i>-</i>
<i>Lower explosion limit:</i>	<i>0.8 Vol-%</i>
<i>Vapor pressure:</i>	<i>not applicable</i>
<i>Vapor density:</i>	<i>No information available.</i>
<i>Density:</i>	<i>0.850 - 0.870 g/cm<sup>3</sup> (20°C)</i>
<i>Solubility in water:</i>	<i>insoluble</i>
<i>Coefficient of variation (n-Octanol/Water):</i>	<i>not determined</i>
<i>Auto-ignition temperature:</i>	<i>not applicable</i>
<i>Decomposition temperature:</i>	<i>No data available.</i>
<i>Viscosity, dynamic:</i>	<i>not available</i>
<i>Explosive properties:</i>	<i>not available</i>
<i>Oxidizing properties:</i>	<i>No information available.</i>
<i>Bulk density:</i>	<i>not applicable</i>

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### 9.2. Further Information

*Solubility in solvents:*

*ethanol 1:5 (clear - slightly cloudy)*

*Viscosity, kinematic*

*Burning class:*

*Solvent content:*

*Solid content:*

*Particle size:*

*Other information:*

*No further information.*

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### 10. Stability and Reactivity

#### 10.1. Reactivity

*Stable if used according to specifications.*

#### 10.2. Chemical Stability

*Stable at room temperature.*

#### 10.3. Possibility of Hazardous Reactions

*Unknown.*

#### 10.4. Conditions to Avoid

*Conditions to avoid:*

*Avoid temperatures above room temperature: facilitates transition of the liquid into the vapor phase and the formation of explosive atmospheres.*

*Do not store the product in open containers over a longer period of time: facilitates the formation of peroxides and impairs the product quality.*

*Thermal decomposition:*

*No data available.*

#### 10.5. Incompatible Materials

*No information available.*

#### 10.6. Hazardous Decomposition Products

*None known.*

#### 10.7. Further Information

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### 11. Toxicological Information

#### 11.1. Information on Toxicological Effects

*Acute Toxicity*

*LD50, oral: > 5000 mg/kg*

*LD50, dermal: > 5000 mg/kg*

*LC50, inhalation:*

*Primary effects*

*Irritant effect on skin:*

*No information available*

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*Irritant effect on eyes:*

*No information available.*

*Inhalation:*

*No information available.*

*Ingestion:*

*No information available*

*Sensitization:*

*No relevant data found.*

*Mutagenicity:*

*No relevant data found.*

*Reproductive toxicity:*

*No information available.*

*Carcinogenicity:*

*No relevant data found.*

*Teratogenicity:*

*No information available.*

*Specific target organ toxicity (STOT):*

*No relevant data found.*

*Additional toxicological information:*

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## 12. Ecological Information

### 12.1. Aquatic Toxicity

*Fish toxicity:*

*not determined*

*Daphnia toxicity:*

*No information available.*

*Bacteria toxicity:*

*not determined*

*Algae toxicity:*

*not determined*

### 12.2. Persistency and Degradability

*No information available.*

### 12.3. Bioaccumulation

*No information available.*

### 12.4. Mobility

*No information available.*

### 12.5. Results of PBT- und vPvP Assessment

*No data available.*

### 12.6. Other Adverse Effects

*Water hazard class:*

*2 (German Regulation) (Assessment by list): hazardous.  
Harmful for fish and bacteria.*

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*Behaviour in sewage systems:*

*Further ecological effects:*

*Do not let product enter waterways or sewage system.*

*AOX Value:*

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### 13. Disposal Considerations

#### 13.1. Waste Treatment Methods

*Product:*

*Dispose of according to official national and local regulations.*

*European Waste Code (EWC):*

*Uncleaned packaging:*

*Dispose of according to official local regulations.*

*Waste Code No.:*

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### 14. Transport Information

#### 14.1. UN Number

*ADR, IMDG, IATA* 1272

#### 14.2. UN Proper Shipping Name

*ADR/RID:* KIEFERNÖL

*IMDG/IATA:* PINE OIL

#### 14.3. Transport Hazard Classes

*ADR Class:* 3

*Hazard no.:* 3

*Classification code:* F1

*Tunnel restriction code:* D/E

*IMDG Class (sea):* 3

*Hazard no.:* 3

*EmS No.:* F-E, S-E

*IATA Class:* 3

*Hazard no.:* 3

#### 14.4. Packaging Group

*ADR/RID:* III

*IMDG:* III

*IATA:* III

#### 14.5. Environmental Hazards

*None*

#### 14.6. Special Precautions for User

*not applicable*

#### 14.7. Transportation in Bulk according to Annex II of MARPOL 73/78 and IBC-Code

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*not applicable*

### 14. 8. Further Information

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## 15. Regulatory Information

### 15. 1. Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture

*Water hazard class:*

*2, hazardous for water (German Regulation)*

*Local regulations on chemical accidents:*

*Not listed.*

*Employment restrictions:*

*Restriction and prohibition of application:*

*Technical instructions on air quality:*

### 15. 2. Chemical Safety Assessment

*A Chemical Safety Assessment has not yet been carried out for this product.*

### 15. 3. Further Information

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## 16. Other Information

*This product should be stored, handled and used in accordance with good hygiene practices and in conformity with any legal regulations. This information contained herein is based on the present state of knowledge and is intended to describe our product from the point of view of safety requirements. It should be therefore not be construed as guaranteeing specific properties.*