

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

### *Product Identifier*

Product Name: Larch Turpentine Oil  
Article No.: 70107  
Use of the Substance/Preparation: Artists' and Restoration Material

### *Details of the Supplier of the Safety Data Sheet*


Company: Kremer Pigmente GmbH & Co. KG  
Address: Hauptstrasse 41-47, D 88317 Aichstetten  
Tel/Fax: Tel +49 7565 91120, Fax +49 7565 1606  
Internet: www.kremer-pigmente.de, kremer-pigmente@t-online.de

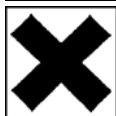
## 2. Hazard Identification

### *Classification according to EC Regulation No.1272/2008*

GHS Classification This product has not yet been classified according to the CLP/GHS guidelines.

### *Classification according to EC Regulation No. 67/548 or No.1999/45*

Hazard designation:  N Hazardous to the environment



Xn Harmful

Risk Phrases: R43 May cause sensitization by skin contact.  
R20 Harmful by inhalation.  
R21 Harmful in contact with skin.  
R22 Harmful if swallowed.  
R53 May cause long-term adverse effects in the aquatic environment.  
R65 Harmful: May cause lung damage if swallowed.  
R10 Flammable.  
R51 Toxic to aquatic organisms.

Safety Phrases: S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.  
S36 Wear suitable protective clothing.  
S46 If swallowed, seek medical advice immediately and show this container or label.  
S37 Wear suitable gloves.  
S61 Avoid release to the environment. Refer to special instructions / Safety data sheets.

## 3. Composition/Information on Ingredients

Hazardous Ingredients: Larch, Larix europaea, ext. (Xn, N; R20/21/22, 36/38, 43, 51/53, 65)  
CAS-Nr: 91722-66-6 EINECS-Nr: 294-466-4 EC-Nr:

## 4. First Aid Measures

*Description of the First Aid Measures*

After inhalation:	Supply fresh air.
After skin contact:	Remove contaminated clothing immediately. Wash off with plenty of water.
After eye contact:	Rinse open eye for several minutes under running water. Consult a physician.
After ingestion:	Do NOT induce vomiting. Consult physician immediately. Risk of aspiration!
General information:	Remove contaminated clothes immediately.

*Most Important Symptoms and Effects, both Acute and Delayed*

Possible symptoms:	No further information available.
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*Indication of any Immediate Medical Attention and Special Treatment needed*

Information for physician:	Treat symptomatically.
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**5. Fire-Fighting Measures**

*Extinguishing Media*

Suitable extinguishing media:	Fire extinguishing agent of group B. Foam, carbon dioxide (CO <sub>2</sub> ), extinguishing powder, dry sand.
Unsuitable extinguishing media:	Water with full jet.

*Special Hazards arising from the Substance or Mixture*

Special hazards:	In case of fire: hazardous gases/vapours may be released. In case of fire: formation of CO, CO <sub>2</sub> and carbon black. Fumes can form an explosive mixture with air.
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*Advice for Firefighters*

Protective equipment:	Wear self-contained respiratory protective device.
Further information:	Cool exposed containers with water mist.

**6. Accidental Release Measures**

*Personal Precautions, Protective Equipment and Emergency Procedures*

Personal precautions:	Provide adequate ventilation. Keep away from sources of ignition. Avoid contact with eyes and skin. Wear protective clothing.
Environmental precautions:	Prevent contamination of soil, drains and surface waters. Discharge only into the sewage system after filtering through a light fluid trap (petrol/oil separator). May form flammable vapor-air mixture.
Methods and material for containment and cleaning up:	Contain with an oil binding agent.

**7. Handling and Storage**

*Precautions for Safe Handling*

Instructions on safe handling:	Provide adequate ventilation.
Information on fire and explosion protection:	Take measures to prevent static electricity discharge, earth/ground all equipment.

Information on fire and explosion protection:	Keep away from sources of ignition - do not smoke.  Ensure electrical continuity by bonding and grounding (earthing) all equipment.
<i>Conditions for Safe Storage, including any Incompatibilities</i>	
Storage conditions:	Store in tightly sealed containers in a cool and well ventilated location. This product should only be handled by professional personnel.
Requirements for storage areas and containers:	Store in a room with a solvent-proof floor.
Storage safety regulation (BetrSichV):	A II

## 8. Exposure Controls/Personal Protection

Technical protective measures:	Ensure adequate ventilation, especially in confined areas.
Parameters to be controlled (DE):	none known
<i>Personal Protective Equipment</i>	
General protective measures:	Avoid contact with eyes and skin.
Respiratory protection:	Required in case of insufficient ventilation.
Hand protection:	Protective gloves (EN 374)
Protective glove material:	PVC, Polyethylene (PE) Please note the manufacturers' detailed statements, especially about the minimum thickness and the minimum breakthrough time.
Eye protection:	Safety glasses
Body protection:	Protective clothing.
Environmental precautions:	Do not allow entering sewerage system.

## 9. Physical and Chemical Properties

### *Information on Basic Physical and Chemical Properties*

Form:	liquid
Color:	clear
Odor:	like turpentine
Odor threshold:	No information available.
Melting temperature:	not applicable
Boiling temperature:	155 - 160°C
Flash point:	ca. 33°C
Evaporation rate:	No information available.
Ignition temperature:	ca. 220°C
Lower explosion limit:	0.7 Vol.%
Upper explosion limit:	6.1 Vol.%
Vapor pressure:	2.5 mbar (20°C)
Density:	0.856 - 0.865 g/l (20°C)
Solubility in water:	not miscible
pH-Value:	5 - 7
Viscosity dynamic:	not available

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Coefficient of variation (n-Octanol/Water): no information available

## 10. Stability and Reactivity

Reactivity: Stable if used according to specifications.  
Chemical stability: Stable if used according to specifications.  
Hazardous reactions: Contact with combustible substances can cause spontaneous ignition.  
Conditions to avoid: Avoid high temperature.  
Incompatible materials: Strong oxidizing agents.  
Hazardous decomposition products: In case of fire: formation of carbon oxide and organic crack products.

## 11. Toxicological Information

*Information on Toxicological Effects*  
No information available.

### *Primary effects*

Irritant effect on skin: Slight irritant effect.  
Irritant effect on eyes: Slight irritant effect  
Inhalation: Can be absorbed through the mucous membrane of the respiratory tract.  
Ingestion: Can be absorbed through the mucous membrane of the digestive system.  
Sensitization: Not known.  
Reproductive toxicity: No information available.  
Carcinogenicity: No data available.  
Mutagenicity: No data available.  
Specific target organ toxicity (STOT): No data available.  
Further toxicological effects: Product is absorbed rapidly through the mucous membrane of the respiratory and digestive system, as well as through the intact skin.

## 12. Ecological Information

Persistency and Degradability: Readily biodegradable.  
Bioaccumulation: No information available.  
Mobility: No information available.

### *Ecological effects*

Aquatic toxicity: No information available.  
Behaviour in sewage system: No negative effects.

Further ecological effects: Do not let product enter waterways or sewage system.  
Results of PBT and vPvB assessment: No data available.

### *Further information*

Water hazard class: 2

### 13. Disposal Considerations

#### *Waste Treatment Methods*

Product:	Dispose of according to official national and local regulations.
European Waste Code (EWC):	200113 - Solvents
Uncleaned packaging:	Dispose of according to official local regulations.

### 14. Transport Information

#### *Road Transportation ADR/RID*

Class:	3
Packaging group:	III
UN No.:	2319
Classification code:	F1
Tunnel No.:	D/E
Hazard No.:	3
Correct technical name:	TERPENE HYDROCARBONS, N.O.S. (Larch oil)

#### *Sea transportation*

IMDG/GGVSee Class:	3
Packaging group:	III
UN No.:	2319
EmS No.:	F-E, S-E
Hazard No.:	3
Marine pollutant:	P
Correct technical name:	TERPENE HYDROCARBONS, N.O.S. (Larch oil)

#### *Air transportation*

ICAO/IATA Class:	3
Packaging group:	III
UN No.:	2319
Hazard No.:	3
Correct technical name:	TERPENE HYDROCARBONS, N.O.S. (Larch oil)

### 15. Regulatory Information

#### *Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture* :

Water hazard class: 2, hazardous for water

#### *Chemical Safety Assessment*

Chemical safety assessment: A Chemical Safety Assessment has not yet been carried out for this product.

### 16. Other Information

This product should be stored, handled and used in accordance with good hygiene practices and in conformity with any legal regulations.



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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.