

Material Safety Data Sheet

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



62000 Larch Turpentine

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Revised edition: 28.07.2015

Version: 04

Printed: 08.03.2016

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

1.1. Product Identifier

Product Name: Larch Turpentine

Article No.: 62000

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

Identified uses:

Uses advised against:

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 EC Regulation 1272/2008

Flammable liquids, category 3
Skin irritation, hazard category 2
Skin sensitization, hazard category 1
Eye irritation, category 2
Specific Target Organ Toxicity (single exposure), category 3
Hazardous to the aquatic environment, chronic category 1

H226	Flammable liquid and vapour.
Cat.: 3	
H315	Causes skin irritation.
Cat.: 2	
H317	May cause an allergic skin reaction.
Cat.: 1	
H319	Causes serious eye irritation.
Cat.: 2	
H335	May cause respiratory irritation.
Cat.: 3	
H410	Very toxic to aquatic life with long lasting effects.
Cat.: 1	

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

Irritating (Xi)	R36	Irritating to eyes.
Irritating (Xi)	R37	Irritating to respiratory system.
Irritating (Xi)	R38	Irritating to skin.

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Irritating (Xi)	R43	May cause sensitization by skin contact.
Hazardous to the environment (N)	R51	Toxic to aquatic organisms.
	R53	May cause long-term adverse effects in the aquatic environment.

Safety Phrases:

Possible Environmental Effects:

2.2. Label Elements

Classification according to EC Regulation 1272/2008

Hazard designation:



GHS02



GHS07-1



GHS09

Signal word:

Warning

Hazard designation:

H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H410	Very toxic to aquatic life with long lasting effects.

Safety designation:

P261	Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
P273	Avoid release to the environment.
P280	Wear protective gloves/ clothing/ eye/ face protection.

Hazardous components for labelling:

2.3. Other Hazards

3. Composition/Information on Ingredients

3.1. Substance

3.2. Mixture

This produkt is a mxiture.

Chemical Characterization:

*Mixture of different resins
CAS No.: 90046-19-8; EINECS 289-987-9*

Hazardous Ingredients:

beta-Pinene (Xn; R10-38-43-65; H228-304-315-

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317)	max. 1.5 %	CAS-Nr: 127-91-3 EINECS-Nr: 204-872-5 EC-Nr:
Limonene (Xn,N; R10-38-43-50/53-65; H226-304-315-317-410)	max. 1%	CAS-Nr: 7705-14-8 EINECS-Nr: 231-732-0 EC-Nr:
Terpinolen (Xn,N; R43-50/53-65; H304-317-410)	max. 0.5 %	CAS-Nr: 586-62-9 EINECS-Nr: 209-578-0 EC-Nr:
Camphene (Xi,N; R11-51/53; H224-319-410)	max. 0.5 %	CAS-Nr: 79-92-5 EINECS-Nr: 201-234-8 EC-Nr:
alpha-Pinene (Xn; R10-38-43-65; H226-304-315-317)	7-16 %	CAS-Nr: 80-56-8 EINECS-Nr: 201-291-9 EC-Nr:
Abietic acid (Xi, N; R36/37/38-50/53; H315-319-335-410)	25 -35 %	CAS-Nr: 514-10-3 EINECS-Nr: 208-178-3 EC-Nr:

Additional information:

4. First Aid Measures

4.1. Description of the First Aid Measures

General information:

*Do not leave affected persons unattended.
Take person away from hazardous area.*

After inhalation:

Supply fresh air.

After skin contact:

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

After eye contact:

Rinse open eye for several minutes under running water. Should irritation continue, seek medical advice.

After ingestion:

*Rinse mouth with plenty of water and consult physician.
Do not induce vomiting.*

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

Symptoms:

No further information available.

Effects:

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

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Treatment:

Treat symptomatically.

5. Fire-Fighting Measures

5.1. Extinguishing Media

Suitable extinguishing media:

Foam, CO₂, dry extinguishing powder.

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.
Strong smoke development is possible.*

5.3. Advice for Firefighters

Protective equipment:

Wear self-contained respiratory protective device.

Further information:

Fire class: B (flammable liquid substances).

6. Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions:

*Wear protective clothing.
Avoid contact with eyes and skin.*

6.2. Environmental Precautions

Environmental precautions:

Do not discharge into drains, surface or ground water in concentrated form.

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

*For information for safe handling see Section 7.
Protective clothing, see Section 8.*

7. Handling and Storage

7.1. Precautions for Safe Handling

Instructions on safe handling:

*Provide adequate ventilation.
Do not eat or drink during work. Do not smoke.*

Hygienic measures:

*Do not eat or drink during work. Do not smoke.
Wash hands with soap and water.
Do not inhale gas/fumes/vapours/aerosols.*

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7.2. Conditions for Safe Storage, including any Incompatibilities

Storage conditions:

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

Store product in a well ventilated area.

Requirements for storage areas and containers:

No special measures necessary.

Information on fire and explosion protection:

Take measures to prevent static electricity discharge, earth/ground all equipment.

Do not store together with ignitable sources, heat and fire.

Storage class (VCI):

Further Information:

7.3. Specific End Use(s)

Further information:

No information available.

8. Exposure Controls/Personal Protection

8.1. Parameters to be Controlled

Parameters to be controlled (DE):

none known

Parameters to be controlled:

Derived No-Effect Level (DNEL):

Predicted No-Effect Concentration (PNEC):

Additional Information:

8.2. Exposure Controls

Technical protective measures:

No further measures, see Section 7.

Personal Protection

General protective measures:

The usual precautionary measures are to be adhered to when handling chemicals.

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)

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Body protection:

Environmental precautions:

Do not allow entering sewerage system.

9. Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

<i>Form:</i>	<i>viscous</i>
<i>Color:</i>	<i>yellow - brownish-yellow</i>
<i>Odor:</i>	<i>resin-like</i>
<i>Odor threshold:</i>	<i>No information available.</i>
<i>pH-Value:</i>	<i>neutral</i>
<i>Melting temperature:</i>	<i>not known</i>
<i>Boiling temperature:</i>	<i>not available</i>
<i>Flash point:</i>	<i>50 - 59°C</i>
<i>Evaporation rate:</i>	<i>No information available.</i>
<i>Flammability (solid, gas):</i>	<i>not available</i>
<i>Upper explosion limit:</i>	<i>no information available</i>
<i>Lower explosion limit:</i>	<i>no information available</i>
<i>Vapor pressure:</i>	<i>not determined</i>
<i>Vapor density:</i>	<i>No information available.</i>
<i>Density:</i>	<i>not determined</i>
<i>Solubility in water:</i>	<i>insoluble</i>
<i>Coefficient of variation (n-Octanol/Water):</i>	<i>no information available</i>
<i>Auto-ignition temperature:</i>	<i>No information available.</i>
<i>Decomposition temperature:</i>	<i>not determined</i>
<i>Viscosity, dynamic:</i>	<i>not available</i>

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Explosive properties:

not available

Oxidizing properties:

no information available

Bulk density:

9.2. Further Information

Solubility in solvents:

ethanol 1:2 80% (clear - slightly cloudy)

Viscosity, kinematic

Burning class:

Solvent content:

Solid content:

Particle size:

Other information:

Saponification value: 100 - 125

Acid value: 65 - 85

Content of essential oils: 10 - 20 %

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:

10.5. Incompatible Materials

No information available.

10.6. Hazardous Decomposition Products

None known.

10.7. Further Information

11. Toxicological Information

11.1. Information on Toxicological Effects

Acute Toxicity

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LD50, oral:

LD50, dermal:

LC50, inhalation:

Primary effects

Irritant effect on skin:

No information available

Irritant effect on eyes:

No information available.

Inhalation:

No information available.

Ingestion:

No information available

Sensitization:

No information available.

Mutagenicity:

No data available.

Reproductive toxicity:

No information available.

Carcinogenicity:

No data available.

Teratogenicity:

No information available.

Specific target organ toxicity (STOT):

No data available.

Additional toxicological information:

12. Ecological Information

12.1. Aquatic Toxicity

No toxicity expected.

Fish toxicity:

No data available.

Daphnia toxicity:

Bacteria toxicity:

Algae toxicity:

12.2. Persistency and Degradability

No information available.

12.3. Bioaccumulation

No information available.

12.4. Mobility

Product is not water soluble.

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12. 5. Results of PBT- und vPvP Assessment

No data available.

12. 6. Other Adverse Effects

Water hazard class:

Do not let run into surface waters, waste water or soil.

Behaviour in sewage systems:

Further ecological effects:

*Avoid subsoil penetration. Prevent product from entering drains.
Do not contaminate surface water.
Disposal according to local regulations.*

AOX Value:

13. Disposal Considerations

13. 1. Waste Treatment Methods

Product:

Dispose of according to official national and local regulations.

European Waste Code (EWC):

Uncleaned packaging:

Uncontaminated packaging may be recycled.

Waste Code No.:

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 no.: D/E

IMDG Class (sea): 3

Hazard no.: 3

EmS No.:

IATA Class: 3

Hazard no.: 3

14. 4. Packaging Group

ADR/RID: III

IMDG: III

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IATA:

III

14.5. Environmental Hazards

*Labelled with "P" according 2.10 IMDG: yes
Labelling according 5.2.1.8 ADR/RID: fish and tree
Labelling according 5.2.1.6.3 IMDG: fish and tree*

14.6. Special Precautions for User

not applicable

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

14.8. Further Information

15. Regulatory Information

15.1. Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture

Water hazard class:

2, hazardous for water

Local regulations on chemical accidents:

Employment restrictions:

Restriction and prohibition of application:

Technical instructions on air quality:

15.2. Chemical Safety Assessment

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

15.3. Further Information

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.