

Safety Data Sheet

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



79424 Boiled Linseed Oil Varnish, transparent

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Revised edition: 26.02.2025

Version: 1

Printed: 26.02.2025

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

1.1. Product Identifier

Product Name: Boiled Linseed Oil Varnish, transparent
Article No.: 79424
UFI: --

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

Identified uses:
Varnish for wooden surfaces

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.com
E-Mail: info@kremer-pigmente.com
Importer: --

1.4. Emergency No.

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

1.4.2 Poison Center:

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
Acute toxicity (oral), hazard category 4
Skin irritation, hazard category 2
Skin sensitization, hazard category 1
Eye irritation, hazard category 2
Chronic aquatic toxicity, hazard category 2

H226 Flammable liquid and vapour.
Cat.: 3
H302 Harmful if swallowed.
Cat.: 4
H315 Causes skin irritation.
Cat.: 2
H317 May cause an allergic skin reaction.
Cat.: 1
H319 Causes serious eye irritation.
Cat.: 2
H411 Toxic to aquatic life with long lasting effects.
Cat.: 2

Possible Environmental Effects:

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2.2. Label Elements

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

Hazard designation:



GHS02-1



GHS07



GHS09

Signal word:

Warning

Hazard designation:

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H411	Toxic to aquatic life with long lasting effects.

Safety designation:

P260c	Do not breathe vapours.
P280	Wear protective gloves/ clothing/ eye/ face protection.
P301+P310	If swallowed: Immediately call a poison center or physician.
P302+P352	If on skin: Wash with soap and water.
P331	Do not induce vomiting.
P333+P313	If skin irritation or rash occurs: Get medical attention.
P501	Dispose of contents/ container according to regional, national and international regulations.

Hazardous components for labelling:

2.3. Other Hazards

Restricted to professional users.

3. Composition/Information on Ingredients

3.1. Substance

3.2. Mixture

Chemical Characterization: Mixture of organic and inorganic compounds, rosin, vegetable oil and turpentine

Information on Components / Hazardous Ingredients:

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Rosin, Gum Rosin (Skin Sens. 1, H317); REACH Reg. No. 01-2119480418-32	8 - 10 %	CAS-Nr: 8050-09-7 EINECS-Nr: 232-475-7 EC-Nr: 650-015-00-7
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Linseed oil	45 - 50 %	CAS-Nr: 8001-26-1 EINECS-Nr: 232-278-6 EC-Nr:
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Turpentine oil (H226-302-304-312-315-317-319-332-411)	35 - 40 %	CAS-Nr: 8006-64-2 EINECS-Nr: 232-350-7 EC-Nr:
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Additional information:

4. First Aid Measures

4.1. Description of the First Aid Measures

General information:

If complaints or symptoms occur seek medical treatment.

After inhalation:

Supply fresh air and seek medical advice in case of complaints.

After skin contact:

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

After eye contact:

*Rinse open eyes with plenty of water and call a physician.
Remove contact lens.*

After ingestion:

Drink 1 - 2 glasses of water. Seek medical attention immediately.

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

Symptoms:

Irritant effects, dizziness, cough, nausea, breathlessness, unconsciousness, vomiting, diarrhea, bronchitis, dermatitis, skin disorders, fever, inflammation of the nasal mucosa, metallic taste, asthma, exhaustion, anesthesia.

Effects:

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

Treatment:

Treat symptomatically.

5. Fire-Fighting Measures

5.1. Extinguishing Media

Suitable extinguishing media:

Foam, carbon dioxide (CO₂), extinguishing powder, water.

Unsuitable extinguishing media:

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5.2. Special Hazards arising from the Substance or Mixture

Special hazards:

In case of fire: formation of hazardous fumes and flammable vapor/air mixtures.

In case of fire: formation of sulfuric acids and nitrogen oxides.

5.3. Advice for Firefighters

Protective equipment:

Wear self-contained respiratory protective device and protective clothing.

Further information:

Suppress escaping gases/fumes/mist with a water spray jet.

6. Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions:

Keep unprotected persons out of danger zone.

Do not inhale aerosol/fumes/vapors.

Avoid contact with eyes and skin.

Evacuate the danger area, observe emergency procedures, consult an expert.

6.2. Environmental Precautions

Environmental precautions:

Do not allow entering sewage system or water.

6.3. Methods and Material for Containment and Cleaning Up

Methods and material:

Cover drains. Collect, bind and pump off spills.

Contain with absorbent material (e.g. Chemizorb®) and dispose accordingly. Clean remains.

6.4. Reference to other Sections

See Section 13 for information on disposal.

7. Handling and Storage

7.1. Precautions for Safe Handling

Instructions on safe handling:

Provide adequate ventilation.

Do not swallow or inhale.

Hygienic measures:

Take off contaminated clothing immediately.

Wash hands at the end of work. Preventive skin protection recommended.

7.2. Conditions for Safe Storage, including any Incompatibilities

Storage conditions:

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

Accesible for authorized persons only.

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Requirements for storage areas and containers:

Keep container tightly closed.

Information on fire and explosion protection:

Storage class:

3; Flammable liquids (TRGS 510)

Further Information:

7.3. Specific End Use(s)

Further information:

8. Exposure Controls/Personal Protection

8.1. Parameters to be Controlled

Parameters to be controlled (DE):

Turpentine oil (CAS 8006-64-2): TWA: 8.2 mg/m³, 2 ppm (long-term value); 16.4 mg/m³, 4 ppm (short-term value)

Parameters to be controlled:

Derived No-Effect Level (DNEL):

Turpentine oil:

161 µg/cm² (worker, skin contact, short-term exposure)

5.98 mg/m³ (worker, inhalation, long-term exposure)

81 µg/cm² (consumer, skin contact, short-term exposure)

0.31 mg/kg bw/d (consumer, swallowing, long-term exposure)

1.06 mg/m³ (consumer, inhalation, long-term exposure - local effects)

PNEC (Predicted No-Effect Concentration):

Turpentine oil (CAS 8006-64-2):

Fresh water: 8.8 µg/l

Sea water: 0.88 µg/l

Fresh water sediment: 2.27 mg/kg dw

Sea water sediment: 0.227 mg/kg dw

Oral (secondary poisoning): 1.35 mg/kg (feed)

Sewage treatment system (STP): 6.6 mg/l

Soil: 0.45 mg/kg

Additional Information:

8.2. Exposure Controls

Technical protective measures:

Technical protective measures have priority to personal protective measures.

Personal Protection

General protective measures:

Wear adequate protective clothing.

Respiratory protection:

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In case of formation of vapors and aerosols or if exposure limit is exceeded: respiratory protection with adequate filter (ABEK).

Hand protection:

Protective gloves (EN 374)

Protective glove material:

Short-term exposition: nitrile rubber (> 120 min, 0.11 mm)

For long-term exposure: natural rubber (> 480 min; 0.6 mm)

Eye protection:

Safety glasses with protective shields (EN 166).

Body protection:

Protective clothing.

Environmental precautions:

Prevent from getting into the soil, surface water and sewage system.

9. Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

Form:

Color:

Odor:

Odor threshold:

no information available

pH-Value:

not available

Melting temperature:

not available

Boiling temperature:

not available

Flash point:

> 30°C

Evaporation rate:

No information available.

Flammability (solid, gas):

not available

Upper explosion limit:

no information available

Lower explosion limit:

no information available

Vapor pressure:

not determined

Vapor density:

No information available.

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Density:

Solubility in water:

Coefficient of variation (n-Octanol/Water):

not determined

Auto-ignition temperature:

No information available.

Decomposition temperature:

No data available.

Viscosity, dynamic:

not determined

Explosive properties:

Product does not present an explosion hazard.

Oxidizing properties:

none

Bulk density:

9.2. Further Information

Solubility in solvents:

Viscosity, kinematic:

Burning class:

Solvent content:

Solid content:

Particle size:

Other information:

10. Stability and Reactivity

10.1. Reactivity

Vapor/air mixtures are explosive when heated strongly.

10.2. Chemical Stability

Thermal decomposition is possible at increased temperatures.

10.3. Possibility of Hazardous Reactions

Can react with oxygen causing the formation of peroxides.

Risk of explosion with: reducing agents, alkali metals, acetylene, ammonia, potassium, copper compounds, sodium, oxyhalogen compounds, boron, halogen oxides, iodides, azides, ammonia compounds, antimony, mercury oxide, methanol, ethanol.

Risk of ignition or formation with inflammable vapors or gases with: powder, zinc, semi-metals, halogen-halogen compounds, non-metals, non-metal oxides, alkaline salts, iron, fluorine, formaldehyde, hydrides, sodium phosphite, phosphorus, sulfur, titanium, aluminium powder, acetylidene, flammable substances, magnesium, butadiene, calcium hydride, diethyl ether, aluminium
Violent reactions possible with: metals, chloric acid anhydrides,

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acids.

Generates dangerous gases or vapors on contact with aluminium mold: hydrogen

Exothermic reaction with: strong oxidizers, carbides, azides, turpentine oils and / or turpentine substitutes, alkali oxides, lithium silicide, alkaline earth compounds, nitrides, acetaldehyde, lithium, fluorides, phosphorous oxides, chlorine, iron.

10.4. Conditions to Avoid

Conditions to avoid:

Avoid heat.

Thermal decomposition:

10.5. Incompatible Materials

Aluminium, copper, natural and artificial resins.

10.6. Hazardous Decomposition Products

Peroxides.

10.7. Further Information

11. Toxicological Information

11.1. Information on Hazard Classes as defined in Regulation (EC) No. 1272/2008

Acute Toxicity

LD50, oral:

Turpentine oil: 3956 mg/kg (rat)

LD50, dermal:

Turpentine oil: > 2000 mg/kg (rabbit)

LC50, inhalation:

Turpentine oil: 13.7 mg/l (4h, rat; OECD 403); 29 mg/l (2h, mouse; OECD 403)

Primary effects

Irritant effect on skin:

Turpentine oil: irritating (rabbit)

Irritating to skin.

Irritant effect on eyes:

Causes serious eye irritation.

Turpentine oil: irritating (rabbit)

Inhalation:

No information available.

Ingestion:

No information available

Sensitization:

May cause sensitization by skin contact.

Mutagenicity:

No relevant data found.

Reproductive toxicity:

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No relevant data found.

Carcinogenicity:

Can probably cause cancer.

Teratogenicity:

May cause harm to the unborn child.

Specific target organ toxicity (STOT):

Single exposure: no information available.

Repeated exposure: may cause damage to organs through prolonged or repeated exposure.

Aspiration hazard:

May be fatal if swallowed and enters airways.

11.2. Information on other Hazards

Harmful. Irritating.

Skin contact: risk of skin absorption.

May cause an allergic skin reaction.

12. Ecological Information

12.1. Aquatic Toxicity

No information available.

Fish toxicity:

No data available.

Daphnia toxicity:

Turpentine oil: EC50: 14.1 mg/l

Bacteria toxicity:

Turpentine oil: EC50: 736 mg/l (3h, aquatic microorganisms; OECD 209)

Algae toxicity:

No information available.

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

This product is neither a PBT or vPvB substance nor does it contain a PBT or vPvB substance.

12.6. Endocrine Disrupting Properties

No data available.

12.7. Other Adverse Effects

Water hazard class:

2 (German Regulation) (Assessment by list): hazardous.

Behaviour in sewage systems:

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Further ecological effects:

Do not let product enter waterways or sewage system.

AOX Value:

13. Disposal Considerations

13.1. Waste Treatment Methods

Product:

*Dispose of according to official national and local regulations.
Do not mix with other waste.*

European Waste Code (EWC):

Uncleaned packaging:

Contaminated packaging must be disposed like the substance.

Waste Code No.:

14. Transport Information

14.1. UN Number

ADR, IMDG, IATA 1263

14.2. UN Proper Shipping Name

ADR/RID: FARBE (Terpentin)

IMDG/IATA: PAINT (Terpentin)

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

Environmentally hazardous substance, liquid; Marine Pollutant

14.6. Special Precautions for User

not applicable

14.7. Maritime Transport in Bulk according to IMO Instruments

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not applicable

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 (German Regulation)

Local regulations on chemical accidents:

Employment restrictions:

The employment restrictions for expectant and nursing mothers in accordance with the Maternity Protection Guideline are to be observed.

The employment restrictions for young workers in accordance with the Youth Employment Protection Law are to be observed.

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

none

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.