

Safety Data Sheet

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



73201 Linseed Stand Oil, 450 P

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Revised edition: 19.03.2019

Version: 4

Printed: 22.11.2022

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

1.1. Product Identifier

Product Name: Linseed Stand Oil, 450 P

Article No.: 73201

UFI:

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

Identified uses:

Binding agent

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)

This product does not require classification and labelling as hazardous according to CLP/GHS.

Possible Environmental Effects:

2.2. Label Elements

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

This product does not require classification and labelling as hazardous according to CLP/GHS.

Hazard designation:

Not applicable.

Signal word:

Hazard designation:

Safety designation:

Hazardous components for labelling:

2.3. Other Hazards

3. Composition/Information on Ingredients

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3.1. Substance

3.2. Mixture

Chemical Characterization: Linseed oil

Information on Components / Hazardous Ingredients:

Linseed oil, polymerized; REACH Reg. No. 01-2119978296-21-xxxx > 99 %

CAS-Nr: 67746-08-1

EINECS-Nr: 614-114-9

EC-Nr:

Additional information:

4. First Aid Measures

4.1. Description of the First Aid Measures

General information:

Remove contaminated clothes immediately.

After inhalation:

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

After skin contact:

Wash off with plenty of water and soap.

After eye contact:

*Rinse open eyes with plenty of water for at least 15 minutes.
Seek medical attention if irritation persists.*

After ingestion:

*Rinse mouth with water and drink plenty of water.
If symptoms persist consult physician.*

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

Symptoms:

No further information available.

Effects:

No further information available.

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:

*CO2, extinguishing powder, water jet.
Fight larger fire with water jet or alcohol resistant foam.*

Unsuitable extinguishing media:

Water with full jet.

5.2. Special Hazards arising from the Substance or Mixture

Special hazards:

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In case of fire: formation of carbon monoxide and dioxide, and possibly acrolein.

Adsorbed product tends to ignite spontaneously.

5.3. Advice for Firefighters

Protective equipment:

Wear self-contained respiratory protective device.

Further information:

Collect contaminated extinguishing water and debris separately; avoid contamination of sewage system.

Cool exposed containers with water spray.

6. Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions:

Wear protective clothing.

Avoid contact with eyes and skin.

Ensure adequate ventilation.

Floor may be slippery; use care to avoid falling.

6.2. Environmental Precautions

Environmental precautions:

Prevent spillage of large quantities into drains and surface waters.

6.3. Methods and Material for Containment and Cleaning Up

Methods and material:

Contain with inert absorbent material and dispose as hazardous waste.

Do not use flammable material, e.g. saw dust!

6.4. Reference to other Sections

Protective clothing, see Section 8.

See Section 13 for information on disposal.

7. Handling and Storage

7.1. Precautions for Safe Handling

Instructions on safe handling:

Avoid contact with eyes.

Do not breathe vapors, aerosols.

Combustible materials, like textiles and paper, which have been soiled by the product, can self-ignite when the water content has evaporated.

Contaminated materials have to be washed immediately with plenty of water.

Hygienic measures:

Wash hands with soap and water.

Avoid repeated and longterm contact with skin.

7.2. Conditions for Safe Storage, including any Incompatibilities

Storage conditions:

Store in tightly sealed containers in a dry and cool room.

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*Protect from direct exposure to light.
Store at temperatures between 10 and 30°C.*

Requirements for storage areas and containers:

*Store the product in the original container.
Water law provisions have to be met.*

Information on fire and explosion protection:

*Absorbed product has the tendency to self-ignite.
Keep away from sources of ignition - do not smoke. Take measures to prevent electrostatic discharge.
Do not spray on flames or glowing bodies.*

Storage class:

10; Combustible liquids (TRGS 510, Storage of hazardous materials in transportable containers)

Further Information:

7.3. Specific End Use(s)

Further information:

Binding agent

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):

*0.25 mg/kg bw/d (consumer, swallowing, long-term exposure - systemic effects)
2.5 mg/kg bw/d (consumer, skin contact, long-term exposure - systemic effects)
5 mg/kg bw/d (worker, skin contact, long-term exposure - systemic effects)
0.43 mg/m³ (consumer, inhalation, long-term exposure - systemic effects)
1.76 mg/m³ (worker, inhalation, long-term exposure - systemic effects)*

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:

Remove contaminated clothing immediately.

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*Do not inhale gas/fumes/vapor/aerosol.
Avoid contact with skin, eyes and clothing.
Wash hands before breaks and after work.*

Respiratory protection:

Not required.

Hand protection:

Protective gloves. The glove material has to be impermeable and resistant to the product / substance / preparation.

Protective glove material:

Nitrile rubber (NBR), chloroprene rubber (CR), polyvinyl chloride (PVC).

Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material and dexterity. Always seek advice from glove suppliers.

Eye protection:

Tightly fitting safety goggles (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

<i>Form:</i>	<i>viscous</i>
<i>Color:</i>	<i>bright yellow</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>-42 - +4°C</i>
<i>Boiling temperature:</i>	<i>not determined</i>
<i>Flash point:</i>	<i>> 300°C</i>
<i>Evaporation rate:</i>	
<i>Flammability (solid, gas):</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>< 0.000133 hPa</i>

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Vapor density:

No information available.

Density:

0.95 - 0.97 g/cm³ (20°C)

Solubility in water:

< 0.001 g/l

Coefficient of variation (n-Octanol/Water):

> 6 logKOW

no information available

Auto-ignition temperature:

Decomposition temperature:

350°C

Viscosity, dynamic:

450 P

Explosive properties:

Product does not present an explosion hazard.

Oxidizing properties:

not oxidizing

Bulk density:

not determined

9.2. Further Information

Solubility in solvents:

Viscosity, kinematic:

Burning class:

Solvent content:

Solid content:

Particle size:

Other information:

Temperature class: T2 (maximum temperature: 300°C)

10. Stability and Reactivity

10.1. Reactivity

No decomposition if used according to specifications.

10.2. Chemical Stability

Stable if used according to specifications.

10.3. Possibility of Hazardous Reactions

Finely distributed hot particles have the tendency to self-ignite.

10.4. Conditions to Avoid

Conditions to avoid:

Avoid contact with heat, sparks, impact, friction, sparks and static discharge.

Thermal decomposition:

Avoid heat.

10.5. Incompatible Materials

Acids, alkalis and oxidizing agents.

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10.6. Hazardous Decomposition Products

*Carbon monoxide and dioxide.
Acrolein.*

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: 4897 mg/kg (rat; OECD 401)
NOAEL: > 1000 mg/kg/d (rat; OECD 422)*

LD50, dermal: > 2000 mg/kg (rat; OECD 402)

*LC50, inhalation:
not determined*

Primary effects

*Irritant effect on skin:
Non irritating*

*Irritant effect on eyes:
Non-irritating to eyes*

*Inhalation:
No information available.*

*Ingestion:
No information available*

*Sensitization:
No sensitizing effects known.*

*Mutagenicity:
Not mutagenic (Ames-Test; OECD 471)*

*Reproductive toxicity:
No information available.*

*Carcinogenicity:
No relevant data found.*

*Teratogenicity:
No information available.*

*Specific target organ toxicity (STOT):
No relevant data found.*

*Aspiration hazard
No risk of aspiration.*

11.2. Information on other Hazards

No further information available.

12. Ecological Information

12.1. Aquatic Toxicity

Fish toxicity:

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LC50: > 1000 mg/l (96h, Danio rerio; OECD 203)

Daphnia toxicity:

EC50: > 100 mg/l (48h, Daphnia magna; OECD 202)

Bacteria toxicity:

EC50: > 100 mg/l (3h, active sludge; OECD 209)

Algae toxicity:

EC50: > 100 mg/l (72h, Pseudokirchneriella subcapitata)

12.2. Persistency and Degradability

*Not readily biodegradable.
33 % (28d)*

12.3. Bioaccumulation

logPOW: > 6

12.4. Mobility

Adsorption to solid soil phase is expected.

12.5. Results of PBT- und vPvP Assessment

Not applicable.

12.6. Endocrine Disrupting Properties

Not listed.

12.7. Other Adverse Effects

Water hazard class:

1, slightly hazardous

Behaviour in sewage systems:

Further ecological effects:

AOX Value:

13. Disposal Considerations

13.1. Waste Treatment Methods

Product:

*Must not be disposed together with household garbage.
Do not let product enter water systems.*

European Waste Code (EWC):

Uncleaned packaging:

Dispose of according to official local regulations.

Waste Code No.:

14. Transport Information

14.1. UN Number

ADR, IMDG, IATA

14.2. UN Proper Shipping Name

ADR/RID:

No hazardous goods according to ADR / DOT (US) (land transportation).

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IMDG/IATA:

Not hazardous goods

14.3. Transport Hazard Classes

ADR Class:

not applicable

Hazard no.:

Classification code:

Tunnel restriction code:

IMDG Class (sea):

not applicable

Hazard no.:

EmS No.:

IATA Class:

not applicable

Hazard no.:

14.4. Packaging Group

ADR/RID:

not applicable

IMDG:

IATA:

14.5. Environmental Hazards

Not classified as environmentally hazardous.

14.6. Special Precautions for User

not applicable

14.7. Maritime Transport in Bulk according to IMO Instruments

not applicable

14.8. Further Information

Not classified as a dangerous good under transport regulations.

15. Regulatory Information

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

Water hazard class:

1, slightly hazardous for water (according to the German Regulation AwSV)

Local regulations on chemical accidents:

Seveso III Directive: not applicable under Directive 2012/18/EC.

Employment restrictions:

Restriction and prohibition of application:

Not applicable.

Technical instructions on air quality:

5.2.5.: Organic substances: $m \geq 0.10$ kg/h: conc. 20 mg/m³

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15.2. Chemical Safety Assessment

A Chemical Safety Assessment has been carried out for this product.

15.3. Further Information

EC. REACH, Annex XIV, Candidate List of Substances of very High Concern (SVHC): not regulated / not applicable

RoHS Directive 2011/65/EC on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS): not listed.

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.