73100 Kremer Linseed Oil Varnish

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

1. 1. Product Identifier

Product Name:	*Kremer Linseed Oil Varnish*
Article No.:	*73100*

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

Identified uses:

Additive, lubricant, ink, toner
Coatings product
Binding agent
Coatings, filling compound, filler, primer

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*
EMail:	*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)

Hazard designation:

Not applicable.

Signal word:

Hazard designation:

Safety designation:

Hazardous components for labelling:

2. 3. Other Hazards

Materials impregnated with oil may spontaneously combust after a long induction period due to gradual exothermic reaction with

next page: 2

oxygen.

3. Composition/Information on Ingredients

3. 1. Substance

3. 2. Mixture

Chemical Characterization: *Linseed oil with drying agents (manganese drier) polymerized at higher temperatures (Cobalt-free).*

Information on Components / Hazardous Ingredients:

Linseed oil; REACH Reg. No. 01-2119484875-20-XXXX	< 100 %	CAS-Nr: 68649-95-6 EINECS-Nr: 272-038-8 EC-Nr:
Manganese neodecanoate (H302-315-332)	< 0.5 %	CAS-Nr: 27253-32-3 EINECS-Nr: 248-374-6 EC-Nr:

Additional information:

4. First Aid Measures

4. 1. Description of the First Aid Measures

General information:

Remove contaminated clothes.

After inhalation:

Supply fresh air. Consult physician if symptoms persist.

After skin contact:

Wash off immediately with soap and plenty of water and rinse thoroughly.

After eye contact:

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

After ingestion:

Rinse mouth with water and drink plenty of water.

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:

No further information available.

5. Fire-Fighting Measures

5. 1. Extinguishing Media

Suitable extinguishing media:

Foam, carbon dioxide (CO2), extinguishing powder, dry sand.

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, acrolein.
Risk of self-ignition with finely dispersed hot particles.

5. 3. Advice for Firefighters

Protective equipment:

Wear self-contained respiratory protective device and protective clothing.

Further information:

Contaminated extinguishing water and debris should be disposed of according to local regulations.

6. Accidential Release Measures

6. 1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions:

Wear protective clothing.
Keep away from sources of heat and ignition.

6. 2. Environmental Precautions

Environmental precautions:

Prevent contamination of soil, drains and surface waters.
Contact local authorities if product pollutes soil or vegetation.

6. 3. Methods and Material for Containment and Cleaning Up

Methods and material:

Contain with absorbent, inert material (sand, diatomaceous earth, acid absorbent) and dispose accordingly.
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:

Provide adequate ventilation.

Hygienic measures:

Avoid contact with eyes and skin.

7. 2. Conditions for Safe Storage, including any Incompatibilities

Storage conditions:

Store in tightly sealed containers in a dry room.
Protect product from direct sunlight.
Store at temperatures between 10 and 30°C.

Requirements for storage areas and

containers:

Water law provisions have to be met.
Suitable container material: stainless steel.

Information on fire and explosion protection:

Do not store together with: strong oxidants.
Self-ignition resp. auto-oxidation is possible.
Avoid the access of air/oxygen.

Storage class:

10; Combustible liquids (TRGS 510)

Further Information:

7. 3. Specific End Use(s)

Further information:

No information available.

8. Exposure Controls/Personal Protection

8. 1. Parameters to be Controlled

Does not contain substances with occupational exposure limits.

Parameters to be controlled (DE):

Parameters to be controlled:

Derived No-Effect Level (DNEL):

69.4 mg/m3 bw/d (swallowing, long-term exposure - systemic effects)
49 mg/kg bw/d (inhalation, long-term exposure - systemic effects)

Predicted No-Effect Concentration (PNEC):

Sewage treatment system (STP): 1.55 mg/l

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.
Remove contaminated clothing immediately.
Avoid contact with eyes and skin.
Wash hands before breaks and after work.
Do not eat, drink or smoke during work.

Respiratory protection:

None required under normal operating conditions.

Hand protection:

Protective gloves. The glove material has to be impermeable and

resistant to the product / substance / preparation.

Protective glove material:

Please note the manufacturers´ detailed statements, especially about the minimum thickness and the minimum breakthrough time.

Eye protection:

Recommended (EN 166).

Body protection:

Protective clothing.

Environmental precautions:

9. Physical and Chemical Properties

9. 1. Information on Basic Physical and Chemical Properties

Form:	*liquid*
Color:	*amber*
Odor:	*weak, characteristic*
Odor threshold:	*No information available.*
pH-Value:	*not determined*
Melting temperature:	*-4°C*
Boiling temperature:	*not available*
Flash point:	*163°C*
Evaporation rate:	*No information available.*
Flammability (solid, gas):	*not applicable*
Upper explosion limit:	*not determined*
Lower explosion limit:	*not determined*
Vapor pressure:	*< 0,000000013 hPa*
Vapor density:	*No information available.*
Density:	*0.928 - 0.95 g/cm3*
Solubility in water:	*> 0.001 g/l (H2O)*
Coefficient of variation (n-Octanol/Water):	*> 6 logPOW*
Auto-ignition temperature:	*420°C*
Decomposition temperature:	*300°C*

	Viscosity, dynamic:	*70 - 100 mPa.s*
	Explosive properties:	
		Product does not present an explosion hazard.
	Oxidizing properties:	
		No oxidizing properties
	Bulk density:	
		not determined

9. 2. Further Information

Solubility in solvents:

Viscosity, kinematic:

Burning class:

Solvent content:

Solid content:

Particle size:

Other information:

No further information.

10. Stability and Reactivity

10.1. Reactivity

Self-ignition resp. auto-oxidation is possible.

10.2. Chemical Stability

Stable if used according to specifications.

10.3. Possibility of Hazardous Reactions

Reacts with strong oxidants.
Finely distributed hot particles have the tendency to self-ignite.
Risk of polymerisation at high temperatures.

10.4. Conditions to Avoid

Conditions to avoid:

Do not overheat.

Thermal decomposition:

Avoid temperatures above 300°C.

10.5. Imcompatible Materials

Strong oxidizing agents.

10.6. Hazardous Decomposition Products

Carbon monoxide and dioxide.
Acrolein.

10.7. Further Information

11. Toxicological Information

11. 1. Information on Toxicological Effects

Acute Toxicity

LD50, oral: *> 2000 mg/kg (rabbit; OECD 402)*

> 4790 mg/kg (rat; OECD 402)
NOAEL (28d): > 1000 mg/kg/d (rat)

LD50, dermal:

No information available.

LC50, inhalation:

No information available.

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)

Reproductive toxicity:

No relevant data found.

Carcinogenicity:

No relevant data found.

Teratogenicity:

No information available.

Specific target organ toxicity (STOT):

No relevant data found.

Additional toxicological information:

No health impairments known or expected when used according to specifications.

12. Ecological Information

12. 1. Aquatic Toxicity

Fish toxicity:

No data available.

Daphnia toxicity:

No information available.

Bacteria toxicity:

No data available.

Algae toxicity:

12. 2. Persistency and Degradability

Readily biodegradable.

12. 3. Bioaccumulation

logPOW: > 6

12. 4. Mobility

log Koc > 4.96 (20°C)

12. 5. Results of PBT- und vPvP Assessment

Not applicable.

12. 6. Other Adverse Effects

Water hazard class:

1 (German Regulation) (Assessment by list): slightly hazardous.

Behaviour in sewage systems:

No impairment of the biodegradability of active sludge expected when small amounts are discharged in biological sewage plants.

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 (land transportation).

IMDG/IATA:

No hazardous goods according to IMDG.

14. 3. Transport Hazard Classes

ADR Class:

not applicable

Hazard no.:

Classification code:

Tunnel restriction code:

IMDG Class (sea):

Hazard no.:

EmS No.:

IATA Class:

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

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 (German Regulation, self-assessment)

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 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.