

**1. Chemical product and it's preparation / Identification of the company****Trade Name:** LINUS-Wood and Cotton Oil No. 260**Use of the substance / preparation:** For priming of exterior and interior timber.

**Manufacturer:** LIVOS Pflanzenchemie GmbH & Co. KG  
Auengrund 10  
D - 29568 Wieren

**Technical contact point:** Product Safety Department  
**Telephone / E-mail:** Tel.: +49 5825 88-0 / projekte@livos.de  
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+49 (0)30 - 30686790 (24h)

**2. Hazards identification****Hazard statements:** The preparation is not dangerous in the sense of the guideline 1999/45/EG.**Additional information about special dangers for humans and the environment:** Contains: Cobalt (2+) salts. Can cause allergic reactions.**3. Composition / information on ingredients****Chemical characterization (substance) :** Preparation out of: Linseed oil and drying agents free of lead.**Hazardous ingredients:**

CAS-No	Name	Percent	Symbol	R-phrases
90622-57-4	Isoalkane	11 - 50	Xn	R 53, R 65, R 66
90622-58-5	Isoalkane	11 - 50	Xn	R 65, R 66

**4. First aid measures**

**General information:** Change moistened and soaked clothes.

**In case of inhalation:** Provide fresh air. Keep affected person still. Consult a physician if problems persist.

**In case of skin contact:** Wash the skin area with water and soap and rinse with plenty of water. Consult a physician if skin reaction persists.

**In case of eye contact:** Flush eyes immediately with plenty of flowing water for several minutes, holding eyelids apart. Consult an optician if eye irritation persists.

**In case of ingestion:** Give immediately water or milk to drink and consult a physician.

**5. Fire-fighting measures****Suitable extinguishing media:** Foam, Extinguishing powder, Carbon dioxide, Water mist.**Extinguishing media which must not be used for safety reasons:** Full water jet.**Special hazards arising from the substance or preparation itself, combustion products, developing gases:** -**Special protective equipment for fire-fighters :** Use suitable breathing apparatus.**6. Accidental release measures****Personal precautions:** Keep public away. Provide adequate ventilation.**Environmental precautions:** Do not allow to enter water bodies or drains.**Methods for cleaning up :** Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). In case of storage, protect against autoinflammability**7. Handling and storage****Advice on safe handling:** Keep container tightly closed. Provide good ventilation at the workstation.

<b>Precautions against fire and explosion:</b>	Keep away from sources of ignition - No smoking.
<b>Further information:</b>	
<b>Information on storage conditions:</b>	Store in a cool, dry place. Protect against heat and direct exposure to the sun.
<b>Requirements for storage rooms and containers:</b>	Keep container tightly closed.
<b>Hints on storage assembly:</b>	Do not store together with oxidizing agents.
<b>Storage class:</b>	-
<b>Flammable Liquid Class:</b>	n.a.

### **8. Exposure controls / Personal protection**

**Monitor requiring components with occupational exposure limits resp. Biological exposure limits:**  
**Occupational exposure limits (AGW) Germany:**

CAS-No.	Designation of the material	Limit	Unit	Type	Country
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#### **Exposure control and limitation:**

**Personal protection equipment:** The usual precautionary measures while handling chemicals are to be considered.

#### **Respiratory protection:**

**Hand protection:** Protective gloves with resistance to chemicals. Suitable material: nitriles. Exact penetration times are to be requested from the manufacturer and kept to.

**Eye protection:** In case of possible splashing, it is recommended to use eye glasses with side protection.

#### **Protective clothing for the body:**

-

### **9. Physical and chemical properties**

<b>Color:</b>	yellowish
<b>Physical state:</b>	liquid
<b>Odor:</b>	plant oil-like
<b>Melting point / melting range:</b>	n.d.
<b>Boiling temperature / boiling range:</b>	boiling range : > ca. 350°C, polymerizes upon heating
<b>Flash point:</b>	> 250°C DIN 51 584
<b>Ignition temperature:</b>	>300 °C
<b>Autoinflammability:</b>	Self inflammation danger due to the plant oil content with e.g. moistened cloth, adsorbent material and not thoroughly-dried grinding dust. (autoxidation); keep away from oxygen and light.

#### **Risk of explosion:**

none

#### **Exposition limits (LEL, UEL):**

**upper:** n.d.      **lower:** n.d.

#### **Vapor pressure:**

< 1kPa at 20°C

#### **Solidification:**

n.d.

#### **pH-Value:**

n.a.

#### **Density:**

At 20°C ca. 0.92 g/cm³

#### **Water solubility:**

insoluble

#### **Viscosity:**

DIN 4mm ca. 20s at 20°C

### **10. Stability and reactivity**

**Dangerous reactions:** n.a.

**Materials to avoid:** Avoid contact with strong oxidising agents.

**Hazardous decomposition products:** No hazardous decomposition products known.

## 11. Toxicological information

The product was classified on the basis of the calculation procedure of the preparation directive (1999/45/EC).

**Practical experience:** Because of the general experience, the scientific literature and the legal regulations is there under adherence to the instructions for use, no health endangerment to be expected. Watch out for possible allergic reaction to particular agents.

### *Information on ingredients*

#### **Acute toxicity:**

Component (Name)	Kind	Value	Species
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#### **Primary irritation**

**After inhalation:**

**After skin contact:**

**After eye contact:**

**After swallowing:**

## 12. Ecological information

**General information:** Do not allow to enter groundwater, water bodies or drains.

**Ecotoxicity:** n.a.

**Persistence and degradability:** n.a.

## 13. Disposal considerations

**Recommendation:** Dispose of waste according to applicable local, state, and federal regulations.

Waste codes in accordance with EWC (European Waste Catalogue): 08 01 12 waste paint and varnish other than those mentioned in 08 01 11

**Disposal considerations:** Dispose of dried-out paints, etc. according to locally regulated laws.

**Appropriate disposal / packaging:** Contaminated packing must be completely emptied and can be recycled after proper cleaning.

## 14. Transport information

Land transport (ADR/RID) and GGVS/GGVE: Non dangerous goods in the sense of these transport regulations.

**ADR / RID-GGVS/ E Class:**

**Cipher/letter:**

**Kemmler number:**

**UN Number:**

**Description of the goods:**

Marine transport (IMDG) / GGVSSee:

Non dangerous goods in the sense of these transport regulations.

**IMDG / GGVSSee- Class:**

**Page:**

**UN Number:**

**Packaging group:**

**EMS No.:**

**MP:**

**Proper technical name:**

Air transport (ICAO-TI / IATA-DGR):  
**ICAO/ IATA- Class:**  
**Groupe d'emballage:**  
**Proper technical name:**

Non dangerous goods in the sense of these transport regulations.  
**UN/ ID Number:**

## **15. Regulatory information**

*Classification and labeling according to EC regulations / Hazardous Goods Act*

**Hazard symbols and hazard statements of the product:**

Contains Cobalt ( 2+ ) salts. Can cause allergic reactions.

**Hazardous components for labeling:**

**R-phrases:**

**S-phrases:** S 2 Keep out of the reach of children.

***National regulations***

**Water endangement class:**

WGK 1 (German Water Hazards Classes, self-classification): weakly water-endangering.

**VOC content:**

## **16. Other Information**

**Exact wording of the R-phrases mentioned under point 2 and 3:**

**Data sources:**

<http://www.baua.de>

**Data Sheet issued by:**

**Product Safety Department**

The information described in this datasheet refers exclusively to the characteristics and safety requirements of this particular product. They cannot apply however any longer, if the product is mixed with other materials or is used during a different process. The statements correspond to our knowledge and experiences at the indicated time. However, no guarantee for soundness, reliability and completeness is given. The user must make sure of all the facts that all specifications for his respective use are suitable and complete.