



linagro nv

Kortemarkstraat 8 – B-8810 Lichtervelde
tel. +32 (0)51/59 12 40 – fax +32 (0)51/59 12 49

SAFETY DATA SHEET REFINED LINSEED OIL

1 Identification of the substance/preparation and of the company/undertaking

- Product details
- Product name: Refined linseed oil
- Application of the substance / the preparation:
 - Binder
 - Raw materials for resins
 - Coating compound / Surface coating / paint
 - Coating
 - Greasing of stains
 - Woods treatment
 - Food
 - Feed
- Supplier:
 - LINAGRO N.V.
 - Kortemarkstraat 8
 - B - 8810 Lichtervelde
 - Tel. +32-51.59.12.40
- Information in case of emergency: Tel. +32-51.59.12.40

2 Hazards identification

- Hazard description: Not applicable.
- No labelling required
- Information concerning particular hazards for human and environment:
 - Self ignition is possible eg. soiled cloths (autooxidation). Keep cleaning rag under water or in a tightly closed metal container.

3 Composition / information on ingredients

- Chemical characterization:
- CAS No. Description
 - 8001-26-1 Linseed oil
- Identification number(s)
- EINECS Number: 232-278-6

4 First aid measures

- General information: Immediately remove any clothing soiled by the product.
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: Wash with water and soap and rinse thoroughly.
- After eye contact:
 - Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing:
 - Rinse out mouth and then drink plenty of water. If symptoms persist, consult a doctor.



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5 Fire-fighting measures

- Suitable extinguishing agents: CO₂, sand, extinguishing powder. Do not use water.
- For safety reasons unsuitable extinguishing agents: Water.
- Protective equipment: Fully protecting cloths and respiration apparatus.

6 Accidental release measures

- Person-related safety precautions: Not required.
- Measures for environmental protection: Do not allow to enter sewers / surface or ground water.
- Measures for cleaning / collecting:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
- Additional information:
Cleaning rag could easily self ignite. Keep cleaning rag under water or in a tightly closed metal container.

7 Handling and storage

- Handling:
- Information for safe handling: No special measures required.
- Information about fire - and explosion protection:
Self-ignition can occur in case of fine hot particles. Self-ignition may occur in case fine particles are absorbed in e.g. sawdust, clothes or insulating material. If absorbed in special oil absorbers or clothes, keep in fire-safe place (self-ignition may occur).
- Storage:
- Requirements to be met by storerooms and receptacles:
Suitable material for receptacles and pipes: Stainless steel.
Do not store in copper or copper related containers as it could affect the oil's colour.
- Information about storage in one common storage facility: Not required.
- Further information about storage conditions:
Protect from exposure to the light.
+10°C up to +30°C and without air contact.

8 Exposure controls/personal protection

- Additional information about design of technical facilities: No further data; see item 7.
- Ingredients with limit values that require monitoring at the workplace: Not required.
- Additional information: The lists valid during the making were used as basis.
- Personal protective equipment:
- General protective and hygienic measures:
The usual precautionary measures are to be adhered to when handling chemicals.
- Respiratory protection: Not required.
- Protection of hands:
The glove material has to be impermeable and resistant to the product / the substance / the preparation / the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- Material of gloves
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
- Penetration time of glove material



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- The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- Eye protection: Goggles recommended during refilling.

9 Physical and chemical properties

- General information
 - Form: Fluid
 - Colour: Yellow - Ca. 4 (Gardner)
 - Odour: Characteristic
- Change in condition
 - Melting point: -20°C
 - Boiling point: >300°C, with decomposition
 - Solidification point: ca. -13°C
- Flash point: >250°C
- Ignition temperature: >300°C
- Danger of explosion: Product does not present an explosion hazard.
- Density: 0.926 - 0.933 g/cm³ at 20°C
- Viscosity: Ca. 0.5 P at 20°C

10 Stability and reactivity

- Thermal decomposition / conditions to be avoided:
In very fine dispersion in contact with air possible danger of self ignition.
- Materials to be avoided: strong oxidants.
- Dangerous decomposition products:
Acrolein
Carbon monoxide and carbon dioxide

11 Toxicological information

- Acute toxicity:
- LD/LC50 values relevant for classification:
8001-26-1 Linseed oil
Oral LD50 > 4763 mg/kg (rat)
- Primary irritating effect:
 - on the skin: no irritating effect
 - on the eye: no irritating effect
- Sensitization: no sensitizing effects known
- Additional toxicological information:
When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.



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12 Ecological information

- Information about elimination (persistence and degradability):
Biodegradability in RDA-test: about 40 %
- Ecotoxicological effects:
- Aquatic toxicity:
8001-26-1 Linseed oil
LC50/96h > 1000 mg/l (fish (zebra-fish))
- Behaviour in sewage processing plants:
8001-26-1 Linseed oil
EC10 67000 mg/l (Bacteria: Robra-test (Ps.putida))
- Additional ecological information:
- General notes:
Generally not hazardous for water.
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13 Disposal considerations

- Product:
- Recommendation: Must be specially treated adhering to official regulations.
- Uncleaned packaging:
- Recommendation: Disposal must be made according to official regulations.
- Recommended cleansing agents: Soap sud.

14 Transport information

- Land transport ADR/RID (cross-border)
- ADR/RID class: -
- Maritime transport IMDG:
- IMDG Class: -
- Marine pollutant: No
- Air transport ICAO-TI and IATA-DGR:
- ICAO/IATA Class: -

15 Regulatory information

- Labelling according to EU guidelines:
Not classified according to directives 67/548/EEC, 76/769/EEC, 1999/45/EC, 1272/2008.



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16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. It remains the user's own responsibility to make sure that the information is appropriate and complete for this special use of this product.