



linagro nv

Kortemarkstraat 8 – B-8810 Lichtervelde
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**SAFETY DATA SHEET (93/112/EC)
REFINED LINSEED OIL**

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1. Identification of the substance or the preparation of the company/undertaking

Product name : Refined linseed oil
Chemical identity : triglyceride vegetable oil made of linseed
C.A.S. No : 8001-26-1
E.I.N.E.C.S. No : 232-278-6
The fatty acid composition is as follows :
Palmitic C16 5-7 %
Stearic C18 3-6 %
Oleic C18:1 20-30 %
Linoleic C18:2 15-20 %
Linolenic C18:3 45-55 %
Application : a.o. for the manufacture of paints/cement, 'greasing' of stains, woods treatment
Supplier : Linagro N.V.
Kortemarkstraat 8
B - 8810 Lichtervelde
Tel. +32 (0)51/59.12.40
Emergency telephone no. : +32 (0)51/59.12.40

2. Composition and information on ingredients

This product is to be considered as a substance in conformance to EC-directives.

Characterization : triglyceride vegetable oil made of linseed

3. Hazards identification

There are no hazards that require labelling as the oil is relatively safe.

For the human being : No hazards known
For the environment : No hazards known
Special hazards : Possible heating (spontaneous combustion) when the product is absorbed on porous materials, like clothes and rags

4. First-aid measures

General : In case of doubt and/or in severe cases seek medical attention
Inhalation : Not applicable
Contact with skin : Wash with water and soap
Contact with eyes : Flush with plenty of water
Ingestion : Give water or milk to drink

5. Fire-fighting measures See also category 10

Suitable extinguishing media : Foam, powder, carbon dioxide
Unsuitable extinguishing media : Water(jet)
Hazardous decomposition products : In case of fire irritating fumes and smoke will be evolved
Protective equipment : Fully protecting cloths and respiration apparatus



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6. Accidental release measures

Also follow the protective measures, as subscribed in heading 7, 8 and 13.

Methods for cleaning up	: Absorb product if possible with a suitable absorbent Pay attention to heating (spontaneous combustion)
Environmental precautions	: To be treated according to the valid guide-lines for chemical waste
Personal precautions	: No special protection required, but avoid contact with eyes and skin

7. Handling and storage

Handling	: See also category 8 : In view of heating (spontaneous combustion) pour water into used cloths and rags
Storage	: Keep only in the original, tightly closed container Avoid extreme temperatures both high and low. Do not store in copper or copper related containers as it could affect the oil's colour.

8. Exposure controls/personal protection

Engineering controls	: No special measures required
Personal protection	: General : Avoid spilling Respiratory : Not applicable Hands : If necessary wear handgloves Eyes : Goggles when the oil is heat Skin : Normal workclothes

9. Physical and chemical properties

Appearance	: Liquid
Odour	: Characteristic
Colour	: Ca. 4 (Gardner)
Relative density	: Ca. 950 kg/m ³ , 20 °C (DIN51757,ASTMD1298)
Viscosity	: Ca. 0,5 P, 25 °C
Boiling point	: > 200 °C, 101.3 Kpa
Melting point	: Unknown
Flashpoint	: > 200 °C (Pensky Martens CC, ASTMD 93)
Flammability	: Flammable above the flashpoint
Autoignition temperature	: > 200 °C
Explosion limits	: Not applicable
Relative vapour density (air=1)	: Not applicable
Vapour pressure	: Not applicable
Solubility in water	: Not soluble
Solubility in organic solvents	: Soluble in various organic solvents
PH value	: Unknown
Oxidizing properties	: Unknown
Partition coefficient n-octanol/water	: Unknown



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10. Stability and reactivity

Stability	: Drying oil (contact with oxygen) possible discolouring with increasing temperature
Hazardous decomposition products	: In case of fire irritating fumes and smoke will be evolved
Conditions to avoid	: the oil is stable under normal circumstances
Materials to avoid	: Acids, Alkali and copper

11. Toxicological information

General	: According to our present knowledge the product is not harmful to the health
Symptoms and effects	
eye/skin contact	: Harmless with no side-effects encountered
Inhalation	: Under normal conditions this oil does not exude fumes
Eye effect	: Under normal conditions this oil is harmless, but the eye should be washed immediately

12. Ecological information

Biodegradability	: RDA test - 40 %, but ultimately biodegradable
Fish toxicity	: no data available but not expected to be toxic
Bacterial toxicity	: no data available but not expected to be harmful

13. Disposal considerations

Waste disposal	: To be treated according to the valid guide-lines for chemical waste (pay attention to heating)
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14. Transport information

UN/IMDG Code	: Not applicable
Un No	: None
ICAO/IATA Class	: Not applicable
RID/ADR Class	: Not applicable
ADNR Class	: Not applicable
Other	: Not applicable

15. Regulatory information

Labelling according to EC-directives.

Symbol(s)	: None
Contains	: Not applicable
R(isk) phrase(s)	: None
S(afety) phrase(s)	: None

16. Other information

This information only concerns the above mentioned product and does not need to be valid if used with other product(s) or in any process. The information is to our best present knowledge correct and complete and is given in good faith but without warranty and responsibility.

It remains the user's own responsibility to make sure that the information is appropriate and complete for this special use of this product.