

**MATERIAL SAFETY DATA SHEET 2001/58/EC  
REFINED LINSEEDOIL**

**1) Identification of the substance and of the company**

Identification of the substance: REFINED LINSEEDOIL

Alternative names: Acid refined linseedoil, Alkali refined linseedoil, RBD linseedoil

Identification of the company: NV SCALDIS-RUIEN SA

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**2) Composition and information on ingredients**

Composition: vegetable triglyceride oil, derived from the flax plant *Linum usitatissimum*, delivered in its refined form (acid degummed and/or bleached and/or neutralised), with a fatty acid spread of about:

palmitic acid	C16:0	5 - 7%
stearic acid	C18:0	3 - 6%
oleic acid	C18:1	20 - 30%
linoleic acid	C18:2	15 - 20%
linolenic acid	C18:3	45 - 55%

CAS-number: 8001 26 1

EINECS-number: 232 278 6

Hazardous components: none (R-phrases: none, S-phrases: none)

**3) Hazards identification**

Main hazard: none that require special labelling

Special hazard: self-ignition of soiled clothes or rags is possible: burn up or spread out to dry

**4) First-aid measures**

Eye contact: flush with plenty of water; call for medical advice if necessary

Skin contact: wash with water and soap

Ingestion: laxative, not toxic; call for medical advice if necessary

Inhalation: not applicable, no vapours at ambient temperatures

**5) Fire-fighting measures**

Extinguishing media:

suitable: CO<sub>2</sub>, foam, dry powder, sand

not to be used: water may spit and spread the fire

Dangers during combustion: production of a heavy acrid smoke, drops can cause severe burns

Protection against fire: keep away from flames and sparks

Special exposure hazards: prolonged heating at 230 °C can cause combustion and decomposition

**6) Accidental release measures**

Linseedoil is a drying oil, which, if left over a few days, will form a hard film

After spillage/leakage: evacuation is not necessary

on soil: wear slip-proof shoes, clean and wash with water and soap, contain larger volumes with sand or earth, sweep up and dispose of in accordance with regulations, spray regularly and keep moist to prevent self ignition

in water: the product floats and can be skimmed off

**7) Handling and storage**

Handling: respect the normal precautions for handling liquid chemicals, wear non-absorbent gloves and safety goggles when handling hot oil

Storage: store in a cool, dry and dark place, use plastic and/or steel drums/containers/tanks, keep away from oxidising chemicals

## 8) Exposure control and personal protection

Ingredients with threshold limits: none

Respiratory protection: not required at normal temperatures

Hand protection: use barrier crèmes or wear non-absorbent gloves when handling regularly

Eye protection: wear safety goggles when handling hot oil

Skin protection: wear normal industrial clothing and wash regularly

## 9) Physical and chemical properties

Physical state (20 °C): liquid

Colour: yellow

Odour: typical vegetable oil

Melting point (1013 hPa): below 0 °C

Boiling point (1013 hPa): above 300 °C, with decomposition

Density (20 °C): 0,926 - 0,933

Vapour pressure (20 °C): very low, (100 °C): very low

Viscosity (20 °C): ± 0,5 Poise

Solubility in water: insoluble

Soluble in: aliphatic hydrocarbon and aromatic solvents

Flash point: above 250 °C

Auto-ignition temperature: very high

## 10) Stability and reactivity

Conditions to avoid: very fine dispersions may possibly self ignite in contact with air

Materials to avoid: avoid contact with strong oxidising chemicals

Hazardous decomposition products: stable under normal conditions, produces a complex mixture of irritating fumes during combustion

## 11) Toxicological information

The oil is not considered as toxic

Oral: harmless, no side effects encountered

Skin: harmless, no side effects encountered

Inhalation: under normal conditions, this oil does not exude any fumes

Eyes: harmless, flush immediately with plenty of water

## 12) Ecological information

Biodegradation: RDA-test > 40%, considered ultimately biodegradable

Fish toxicity: no data available, not considered as toxic

Bacterial toxicity: no data available, not considered as toxic

## 13) Disposal instructions

Keep the product out of the sewage and of the surface waters

Waste and used packing should be treated according to local regulations

## 14) Transportation information

Following our present state of knowledge, there are no restrictions

## 15) Regulatory information

Following our present state of knowledge, not to be classified according to directives 67/548/EEC, 76/769/EEC and 1999/45/EC

## 16) Other information

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Information included in this document is given in good faith and constitutes our present state of knowledge relevant to safety regulations. However, we do not accept responsibility for injury or damage, where products supplied by our services are used in applications other than those specified.