



## SAFETY DATA SHEET

### LINSEED OIL

#### 1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

Product name: LINSEED OIL

Recommended use: Chemical for industrial

Manufacturer/Supplier: **MODERN CHEMICAL CO.,LTD.**  
82/80 Soi Ekamai 22 (Nuannoi), Sukhumvit 63,  
Klong Tan Nuea, Watthana, Bangkok 10110

Telephone No: 0-2715-0897-9, 0-2392-3410-3

Fax No: 0-2715-0908-9, 0-2391-1571-2

Emergency Telephone No: 0-2715-0897-9, 0-2392-3410-3

#### 2. HAZARDS IDENTIFICATION

##### Label elements

Pictogram



Signal word

Danger

##### Hazard statement(s)

- 1.) Causes skin irritation.
- 2.) May be fatal if swallowed and enters airways.
- 3.) May cause drowsiness or dizziness.
- 4.) Toxic to aquatic life with long lasting effects.
- 5.) Suspected to damaging fertility or the unborn child.

##### Precautionary statement(s)

- 1.) Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
- 2.) Avoid release to the environment.



3.) IF SWALLOWED: call a doctor/physician.

4.) IF IN EYES: Rinse cautiously with water for 15 minutes.

5.) IF ON SKIN Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonym: N/A

Ingredients	% (w/w)	CAS NO.
LINSEED OIL	100	8001-26-1

### 4. FIRST AID MEASURES

**General advice:** In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

**Inhalation:** No special measures are necessary.

**Skin contact:** In case of skin reactions, consult a physician.

**Eye contact:** In case of eye irritation consult an ophthalmologist.

**Ingestion:** In all cases of doubt, or when symptoms persist, seek medical advice.

### 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media:**

Dry extinguishing powder, Carbon dioxide (CO<sub>2</sub>), Sand.

**Unsuitable Extinguishing Media:**

Water, Water can be used to containers filled with the product.

**Specific hazards arising from Chemicals:**

Acrolein, Carbon monoxide, carbon dioxide.

**Special protective equipment for fire-fighters:**

Wear self-contained breathing apparatus.



## 6. ACCIDENTAL RELEASE MEAS

**Precautions:** Special danger of slipping by leaking/spilling product.

**Environmental precautions:** Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Stop and contain spill/release if it can be done safety.

### Methods and Material for Containment and Clean Up:

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). To avoid the risks of fires, all contaminated materials should be placed in a closed metal container soaked with water.

Treat the recovered material as prescribed in the section on waste disposal.

## 7. HANDLING AND STORAGE

### Precautions for Safe Handling & Product Transfer:

Do not bring in contact with strong oxidizing agents.

In very fine dispersion in contact with air possible danger of self ignition.

Material soiled with product such as cleaning rags, tissues and protective clothing, may ignite spontaneously a few hours later. To avoid the risks of fires, all contaminated materials should be placed in a closed metal container soaked with water. Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.

### Conditions for Safe Storage & Unsuitable Materials:

A sprinkler system should only be used for cooling closed container filled with the product. Do not store together with: Oxidising agent, strong. Store at temperature +10°C to +30°C and dark.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Occupational Exposure Limits:** No data available

**Appropriate Engineering Controls:** The product does not contain any relevant quantities of material with critical values that have to be monitored at the workplace.

### Individual Protection Measures

**Respiratory protection:** Respiratory protection not required.

**Hand protection:** Hand protection is not required.

**Eye protection:** wear protective eye glasses for protection against liquid splashes.

**Skin and body protections:** Wear suitable protective clothing.

**Hygiene measures:** No data available.



## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Form, Color and Odor :</b> liquid, yellow , characteristic	<b>Evaporation rate :</b> N/A
<b>Melting Point :</b> -20°C	<b>Specific gravity :</b> 0.926-0.933 g/cm <sup>3</sup> at 20°C
<b>pH :</b> N/A	<b>Solubility in water :</b> <0.001 g/L
<b>Boiling point :</b> >350°C	<b>Viscosity :</b> 0.45-0.5 dPas at 20°C
<b>Vapour pressure :</b> N/A	<b>Vapor density (air=1) :</b> N/A
<b>Lower explosive limits :</b> N/A	<b>Upper explosive limits :</b> N/A
<b>Auto-ignition temperature :</b> >300°C	<b>Flash point:</b> >300°C
<b>Odour threshold:</b> N/A	<b>Flammability (solid, gas):</b> N/A
<b>Decomposition temperature:</b> >250°C	<b>Solubility in other solvents:</b> N/A
<b>n-octanol/water partition coefficient (log P<sub>ow</sub>):</b> >3	

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability:</b>	The product is stable under storage at normal ambient temperatures.
<b>Reactions:</b>	In very fine dispersion in contact with air possible danger of self ignition.
<b>Possibility of Hazardous Reactions:</b>	No known hazardous reactions.
<b>Conditions to avoid:</b>	Keep away from heat sources, spark and open flame
<b>Materials to avoid:</b>	Oxidizing agents, strong, Alkali (lye), concentrated, Strong acid
<b>Hazardous decomposition products:</b>	Acrolein, carbon monoxide, carbon dioxide.

## 11. TOXICOLOGICAL INFORMATION

<b>Acute toxicity:</b>	LC50 (Oral, rat): >5000 mg/kg
<b>Sensitization:</b>	Not sensitising.
<b>Chronic toxicity:</b>	No known symptoms to data
<b>Further toxicological information:</b>	No data available.

## 12. ECOLOGICAL INFORMATION

Toxicity

Toxicity to fish: LC50 – Brachydanio rerio(ze-bra-fish), 96h: >1000 mg/l



Toxicity to daphnia and other aquatic invertebrates: No data available.

Toxicity to algae: No data available.

Toxicity to bacteria: No data available.

Biodegradability Remarks: Readily biodegradable.

Bioaccumulative Potential: Bioconcentration factor (BCF) <10

Mobility: No data available.

Affected in any other way: No data available.

### 13. DISPOSAL CONSIDERATIONS

**Material Disposal:** Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an after burner and scrubber.

**Container Disposal:** Dispose of as unused product. Empty containers should be taken for local recycling, recovery or waste disposal.

### 14. TRANSPORT INFORMATION

**ADR/ADNR**

Not applicable.

**IMGD**

Not applicable.

**IATA**

Not applicable.

### 15. REGULATORY INFORMATION

**GHS-Labeling**

**Hazard statement(s):**

No data available

**Precautionary statement(s):**

No data available

**R - phrase(s):**

No data available



**S - phrase(s):**

No data available

**16. Other Information**

Modern Chemical Co.,Ltd. provides the information contained herein in good faith but makes no representation as to its comprehensive or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.

MODERN CHEMICAL CO., LTD. MAKES NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THE INFORMATION SET FORTH HEREIN OR THE PRODUCT TO WHICH THE INFORMATION REFERS. ACCORDINGLY, MODERN CHEMICAL CO.,LTD.