



# 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:	<b>MODERN CHEMICAL CO.,LTD.</b> 82/80 Soi Ekamai 22 (Nuannoi), Sukhumvit 63, Klong Tan Nuea, Watthana, Bangkok 10110
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### 2. HAZARDS IDENTIFICATION

**Label elements:**

This product does not have to be labelled according to Regulation (EC) No.1272/2008[CLP].

**Hazard statement(s):**

No data available.

**Precautionary statement(s):**

No data available.

### 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).



<b>Inhalation:</b>	No special measures are necessary.
<b>Skin contact:</b>	In case of skin reactions, consult a physician.
<b>Eye contact:</b>	In case of eye irritation consult an ophthalmologist.
<b>Ingestion:</b>	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 cool containers filled with the product. Avoid contact with the caustic surface. A sprinkler system should only be used for cooling closed containers filled with the product.

### Specific hazards arising from Chemicals:

In case of fire may be liberated: Acrolein, carbon monoxide, carbon dioxide

### Special protective equipment for fire-fighters:

In case of fire: 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 safely.

### 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. Materials 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 containers filled with the product. Do not store together with: Oxidising agent, strong. Store at a temperature of +10° C to +30° C and dark.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Occupational Exposure Limits:** N/A

**Appropriate Engineering Controls:** The product does not contain any relevant quantities of materials 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/D
<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/D	<b>Vapour density (air=1) :</b> N/D
<b>Lower explosive limits :</b> N/D	<b>Upper explosive limits :</b> N/D
<b>Auto-ignition temperature :</b> >300 °C	<b>Flash point :</b> >300 °C
<b>Odour threshold:</b> N/A	<b>Flammability (solid, gas):</b> This material is combustible and can be ignited by heat, sparks, flames, or other sources of ignition (e.g. static electricity, pilot lights, or mechanical/electrical equipment)
<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, sparks and open flames.
<b>Materials to avoid:</b>	Oxidising agent, strong, Alkali (lye), concentrated, Strong acid.
<b>Hazardous decomposition products:</b>	Acrolein, carbon monoxide, carbon dioxide

## 11. TOXICOLOGICAL INFORMATION

<b>Acute toxicity:</b>	LD50 (Oral, rat): >5000 mg/kg
<b>Sensitization:</b>	No indications of human germ cell mutagenicity exist.
<b>Chronic toxicity:</b>	No evidence for reproductive toxicity in experimental animals.
<b>Further toxicological information:</b>	No data available.

## 12. ECOLOGICAL INFORMATION

### Toxicity

Toxicity to fish:	LC50 - Brachydanio rerio (zebra-fish): >1000 mg/l-96h
Toxicity to daphnia and other aquatic invertebrates:	No acute environmental toxicity in concentrations up to water solubility.
Toxicity to algae:	No acute environmental toxicity in concentrations up to water solubility.
Toxicity to bacteria:	EC10 - Pseudomonas putida: 67000 mg/l
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

<b>Material Disposal:</b>	Do not dispose of with household waste. Do not allow to enter drains. Dispose of waste according to applicable legislation
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**Container Disposal:** Handle contaminated packages in the same way as the substance itself.  
Suitable cleaning agents: Water and soap. Retain contaminated washing water and dispose it.

#### 14. TRANSPORT INFORMATION

##### ADR/RID

Non dangerous good.

##### IMGD

Non dangerous good.

##### ICAO/IATA

Non dangerous good.

#### 15. REGULATORY INFORMATION

##### Safety, health and environmental regulations/legislation specific for the substance or mixture

* Water Hazard Class (Ger.)	allgemein wassergefährdend (awg)
Identification number:	9442
Source:	Classification according to AwSV.

##### Chemical safety assessment

Safety assessment For this substance a chemical safety assessment is not required.

#### 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.

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