

# MATERIAL SAFETY DATA SHEET

## 1 - Identification of Product and Supplier

Product Name: **Linseed Oil**  
Supplier: **The Soap Kitchen**, Unit 2 D&E, Hatchmoor Industrial Estate  
Torrington, Devon EX38 7HP  
Emergency Contact: Mr. Richard Phillips – Tel: 01805 622944  
[info@thesoapkitchen.co.uk](mailto:info@thesoapkitchen.co.uk)

## 2 - Composition and information on ingredients:

INCI Name: **Linum Usitatissimum (Linseed) Seed Oil**  
Alternative Names: Refined Linseed oil, Alkali refined oil, Acid refined Oil, Raw linseed Oil, Modified raw linseed oil, Putty raw linseed oil, Linseed oil BP, Flaxseed oil.  
Chemical composition/ Origin: A naturally occurring triglyceride vegetable oil derived from the seed of the flax plant *Linum usitatissimum*, *Linaceae*. The oil is supplied in the raw or refined state.  
CAS No: 801-26-1  
EINECS No: 232-278-6  
Status: Natural  
Applications: Paints, Printing inks, animal feeds, putty medium, DIY products, Emollient/skin conditioning/solvent

## 3 - Hazards identification:

Not classified as a hazardous substance according to EC Directives 67/548/EEC or 1999/45/EC.

Care should be taken when handling hot oil as it may constitute a burns hazard. Spills constitute a slippage hazard.

Danger of spontaneous combustion from rags soaked in oil, see Section 6

## 4 - First aid measures:

Inhalation: Not applicable. There are not appreciable vapours at ambient temperatures.  
Skin contact: Remove contaminated clothes. Wash with water and soap; cover the irritated skin with emollient – may need to seek medical advice.  
Eye contact: Flush with water or approved eye wash solution for at least 15 minutes. Contact a doctor if symptoms persist.  
Ingestion: Do not induce vomiting. Give water or milk to drink and seek medical advice

## 5 - Fire - Fighting measures:

Extinguishing media: Carbon dioxide, foams, inert powder, dry powder, water spray to cool surfaces exposed to fire and protect personnel.  
Extinguishing media to avoid: Water  
Protection against fire: Standard

## 6 - Accidental release measures:

Personal Precautions: Avoid contact with eyes, skin and clothes.

Environmental Precautions: Note that spillage constitute a slippage hazard.

Clean Up Method: Contain spillage with sand or earth, sweep up and dispose of in accordance with a recognised method of waste disposal. There is a danger that cloths should or rags used to clean up a spill, or even any absorbent material may spontaneously combust. Any cloths should be washed in warm soapy water and disposed of without crumpling. Absorbants should be sprayed with water prior to disposal.

## 7 - Handling and storage:

Normal working practices should be employed. Store in a cool, dry place.

## 8 - Exposure controls and personal protection:

Use in accordance with good industrial practice. Wear suitable eye protection if there is a risk of splashing.

## 9 - Physical data, chemical properties and microbiological analyses:

<u>Physical form:</u>	Liquid
<u>Colour:</u>	Pale yellow – brown.
<u>Odour:</u>	Characteristic
<u>Flash point (°C):</u>	> 150
<u>Boiling point (°C):</u>	Not determined
<u>Melting point (°C):</u>	Not determined
<u>Viscosity @ 25°C:</u>	Approximately 0.4
<u>Density @ 15.5°C :</u>	0.933
<u>Bulk density (kg/m<sup>3</sup>):</u>	933
<u>Solubility in water:</u>	Insoluble
<u>Other solubility:</u>	Soluble in aromatic and aliphatic hydrocarbon solvents
<u>pH of aqueous solution:</u>	N/A
<u>Partition coefficient octanol / water:</u>	Not determined
<u>Explosion limits:</u>	Not determined
<u>Flammability solid/gas:</u>	N/A
<u>Autoflammability:</u>	N/A
<u>Explosive properties:</u>	N/A
<u>Oxidising proprieties:</u>	N/A
<u>Vapour pressure:</u>	Negligible

## 10 - Stability and Reactivity:

<u>General:</u>	Exposure to sunlight may cause a bleaching effect.
<u>Thermal decomposition:</u>	Stabile under normal conditions of use. A complex mixture of irritating fumes in fire conditions.
<u>Hazardous reactions:</u>	Danger of spontaneous combustion of rags, cloths or inert absorbent soaket in oil. Ensure these materials are dealt with properly (see section 6).

## 11 - Toxicological information:

Oral: No specific data. Expect to be non-toxic.  
Dermal: Prolonged and repeated contact may cause slight irritation.  
Inhalation: Not applicable at ambient temperature.  
Eye contact: May cause slight irritation.

## 12 - Ecological information:

Biodegradation: Expected to be ultimately biodegradable.  
Fish toxicity: No data, but not expected to be harmful  
Bacterial toxicity: No data, but not expected to be harmful

## 13 - Disposal considerations:

Dispose of in accordance with a recognised method of waste disposal which complies with local and national regulations.

## 14 - Transport information:

UN number: N/A  
Road (ADR/RID): Non hazardous  
Air (IATA/ICAO): Non hazardous  
Sea (IMDG): Non hazardous  
ADNR class: Non hazardous

## 15 - Regulatory information:

Not applicable

## 16 - Other information:

Linseed oil is frequently bottled for general D.I.Y. application. Attention must be drawn to the danger of spontaneous combustion and a high profile warning is essential. The following warning is the minimum recommended:

“Danger of spontaneous combustion. After use, any clothes or rags should be washed in warm soapy water to remove the oil. Even after washing the rags must never be crumpled into a ball but spread out and disposed of. Use synthetic fibre cloths where possible as natural fibres, especially cotton, increase the chances of spontaneous combustion. Brushes and rollers should be cleaned with White Spirit and then washed in warm water”

## **Q.C. REQUIREMENTS**

In-line with general product specification. Always satisfy suitability for specific application.

The data provided in this material safety data sheet is meant to represent typical data/analysis for this product and is correct to the best of our knowledge. The data was obtained from current and reliable sources, but is supplied without warranty, expressed or implied, regarding it's' correctness or accuracy. It is the user's responsibility to determine safe conditions for the use of this product, and to assume liability for loss, injury, damage or expense arising from improper use of this product. The information provided does not constitute a contract to supply to any specification, or for any given application, and buyers should seek to verify their requirements and product use.

Revised: 29.05.2010 AM