



Ref: 073 – Boiled Linseed Oil

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY:

- 1.1 Product Name:** **BOILED LINSEED OIL**
- 1.2 Applications:** For replenishing & sealing dried out hardwood fixtures & fittings
- 1.3 Supplier:** Palace Chemicals Ltd; Speke Hall Industrial Estate; Speke; Liverpool; L24 1YA
Tel: 0151 486 6101; Fax 0151 448 1982
e-mail: sales@palacechemicals.co.uk; web: www.palacechemicals.co.uk
- 1.4 Emergency Telephone No.** Tel: 0151 486 6101; Fax 0151 448 1982; e-mail: jp@palacechemicals.co.uk

2. HAZARDS IDENTIFICATION:

- 2.1 Classifications:**
(EC) No. 1272/2008 Not Classified
Hazard phrases: None applicable
- Precautionary Phrases:** Do not leave teak oil soaked rags, tissues or cloths as they may constitute a fire hazard. Teak Oil may be liable to spontaneous combustion. And in such circumstances all used rags & cloth should ideally be incinerated under controlled conditions or thoroughly soaked in soapy water
- Signal word:** None applicable
- 2.2 Other hazards:** None applicable

3. COMPOSITION / INFORMATION ON INGREDIENTS:

- 3.1 Substances:** N/A
- 3.2 Mixtures:** Refined double boiled linseed oil Boiled Linseed Oils are produced from Linseed Oil using one or more metallic siccatives to give a range of oils with varying colours and drying times. They are traditionally processed by the controlled oxidation of raw linseed oil. The metallic siccative acts to accelerate the drying process by catalytic means.

Name:	CAS No.:	EINECS:	Concentration:	Classification:
Modified vegetable oil made of linseed	68649-95-6	272-038-8	100.0% w/w	n/a

4. FIRST AID MEASURES:

- 4.1 Description of measures:**
- EYE CONTACT: Immediately wash out the eyes with plenty of water. Seek medical attention if symptoms persist
- INHALATION: Remove from exposure. Keep warm and rest.
- SKIN CONTACT: Wash the skin with soap and water
- INGESTION: Wash out the mouth with water. Do not induce vomiting. Seek medical attention if large amounts ingested
- 4.2 Acute & Chronic symptoms:**
- Inhalation: None
- Ingestion: None
- Skin contact: None
- Eye Contact: Eye contact with mixed paste may cause pro-longed irritation.
- 4.3 Immediate medical attention:** See First Aid measures above



5. FIRE FIGHTING MEASURES:

- 5.1 Extinguishing media:** Use extinguisher appropriate to the surrounding materials & fire.
- 5.2 Combustion Hazards:** In case of fire use powder, foam, sand and water spray.
- 5.3 Advice for fire-fighters:** Self contained breathing apparatus should be worn.

6. ACCIDENTAL RELEASE MEASURES:

- 6.1 Personal protection:** Wear impervious gloves, overalls, eye protection and boots while clearing up the spillage.
- 6.2 Environmental precautions:** Contain and collect the spillage. Do not wash into drains.
- 6.3 Spill removal methods:** Absorb in vermiculite, dry sand or earth and place into containers. Do not contaminate water sources or sewer. Clean contaminated area with oil-removing material. Ensure that waste and contaminated materials are collected and removed from the work area as soon as possible in a suitably labelled container.
- 6.4 References to other sections:** Before attempting any clean-up operation, consult the requirements for protective equipment shown in section 8 of this document.

7. HANDLING & STORAGE:

- 7.1 Safe handling precautions:** Always remove oil with soap and water or skin cleaning agent, never use organic solvents. **Do not use oil-contaminated clothing or shoes and do not put rags moistened with oil into pockets. Contaminated rags and cloths must be immersed in water in a fireproof container for disposal.** Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site.
- 7.2 (a) Safe storage conditions:** Store in sealed, clearly marked bottles. Keep out of reach of children in a cool well-ventilated environment, preferably off the ground and out of contact with water. This product must be stored in cool dry conditions and protected from excessive heat.
- 7.2 (b) Incompatible materials:** Avoid exposure to heat when in storage prior to use and do not leave oil soaked rags in dry storage conditions always immerse in soap & water after use.
- 7.3 Specific storage conditions:** None applicable

8. EXPOSURE CONTROLS & PERSONAL PROTECTION:

8.1 Control parameters

Substance:	8 hour exposure limit	Type:	Source:
	None applicable		

8.2 Exposure controls:

Engineering controls: Provide adequate ventilation.

Respiratory protections: No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.

Hand protection: Use suitable protective gloves if risk of skin contact. Nitrile gloves are recommended

Eye protection: Goggles may be required if the product is handled roughly

Other Protection: PVC overalls may be worn and should be laundered immediately after use.

Hygiene measures: Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

9. PHYSICAL & CHEMICAL PROPERTIES:

<p>Appearance: Viscous brown liquid</p> <p>Odour: Negligible</p> <p>Odour threshold: n/a</p> <p>pH: n/a</p> <p>Flash point: >100 °C</p> <p>Melting point: n/a</p> <p>Boiling point: >200 °C</p> <p>Evaporation rate: n/a</p> <p>Upper/Lower Flam limits: n/a</p> <p>Vapour pressure: n/a</p> <p>Vapour density: n/a</p>	<p>Dry bulk density: n/a</p> <p>Wet Bulk Density: 0.942 - 0.946</p> <p>Solubility in oils: Soluble</p> <p>Water solubility: Insoluble</p> <p>Auto-ignition temperature: n/a</p> <p>Decomposition temperature: n/a</p> <p>Surface tension: n/a</p> <p>Viscosity: 150 – 200 mPa.s</p> <p>Explosive properties: Nil</p> <p>Oxidising properties: Nil</p> <p>Particle size: n/a</p>
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10. STABILITY & REACTIVITY:

<p>10.1 Conditions to avoid: See section 7 for auto-ignition hazard of oil soaked rags/absorbents.</p> <p>10.2 Incompatible Materials: Rags soaked with oil may spontaneously ignite.</p> <p>10.3 Decomposition hazards: Stable</p>	<p>10.4 Reactivity: Stable</p> <p>10.5 Chemical reactivity: Not known</p> <p>10.6 Risk of hazardous reaction: Not known</p>
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11. TOXICOLOGICAL INFORMATION:

11.1 Information on toxicological effects: This product has not been exhaustively tested. Judgements on the expected toxicity of this product have been made based upon consideration of its' major components.

Acute Toxicity

(Oral LD50) > 4790 mg/kg

Routes of exposure:

Inhalation, ingestion & contact with skin & eyes

Eye damage/irritation:

Direct contact with wet paste may cause corneal damage by delayed irritation.

Skin Corrosivity / Irritation:

Not Irritating. OECD 437, BCOP test method and OECD 405, acute eye irritation/corrosion.5 /

Respiratory/skin sensitisation:

None known

12. ECOLOGICAL INFORMATION:

<p>12.1 Ecotoxicity: Not hazardous to the environment.</p> <p>12.2 Bio-accumulative potential: Not relevant</p> <p>12.3 Persistence & degradability: 100% biodegradable.</p>	<p>12.4 Mobility in soil: Negligible</p> <p>12.5 PBT and vPvB result: Not relevant</p> <p>12.6 Other adverse effects: Not relevant</p>
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13. DISPOSAL CONSIDERATIONS:

13.1 Waste treatment Methods: Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority. Rags and the like, moistened with flammable liquids, must be discarded into designated fireproof bucket. Dispose of waste and residues in accordance with local authority requirements. Recover and reclaim or recycle, if practical. Liquid components can be disposed of by incineration.

Waste Class Waste liquid can be classified as organic waste with the European waste code EWC 16 03 05. Waste absorbents and wiping cloths contaminated with linseed oil should be classed as waste code 15 02 03 and handled as recommended in section 7..

14. TRANSPORT INFORMATION:

Transport Labels:

This product is not covered by the international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID) and therefore no classification is required.

Regulatory Code (Land, Sea & Air):	ADR	IMDG	ICAO
14.1 UN No.:			
14.2 Proper shipping name:			
14.3 ADR Packing Group:			
14.4 Transport Hazard Class:			
14.5 Environmental hazards.			
14.6 Special user precautions:			
14.7 Transport in bulk – IBC code:			

15. REGULATORY INFORMATION:

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

General information

Linseed oil is frequently bottled for general DIY applications. Although the oil itself is not classified as hazardous, every attention must be drawn to the danger of spontaneous combustion and a high profile warning is essential. The following warning is recommended: DANGER OF SPONTANEOUS COMBUSTION. AFTER USE, ANY CLOTHS 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 SOAPY WATER.

UK Regulatory References:

Health and Safety at Work Act 1974. The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments. Chemicals (Hazard Information & Packaging) Regulations. Environmental Listing - Control of Pollution Act 1974. Control of Pollution (Special Waste Regulations) Act 1980.

Statutory Instruments:

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). Approved Code Of Practice Classification and Labelling of Substances and Preparations Dangerous for Supply.

EU Legislation:

Dangerous Substance Directive 67/548/EEC. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC,

National Regulations:

Users of this product are reminded of their duties under the current Control of Substances Hazardous to Health Regulations and a suitable and sufficient assessment of all the risk should be undertaken before using this product. The guidelines given in the HSE publication COSHH ESSENTIALS - Easy Steps To Control Chemicals gives sound advice for deciding safe working control measures.

Authorisations (Title VII Regulation 1907/2006) - No specific authorisations are noted for this product.

Restrictions (Title VIII Regulation 1907/2006) - No specific restrictions of use are noted for this product.

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this product.

16. OTHER INFORMATION:

Last revision date: 29-05-15

SDS No.: 073

References: Volume VII Approved supply list; EH40; Croner; Supplier RM safety data sheets

Classification methods:

Safety phrases in section 2:

Precautionary phrases:

Training for workers:

Disclaimer: The information supplied in this safety data sheet is intended to assist in the use of the above product without risk to safety and health and is based on current knowledge and experience of the associated physico-chemical hazards. The data does not signify any warranty with regard to the product's properties. This information may be used to assist in formulating a COSHH risk assessment if applied at work. This data sheet complies with EC Directive 91/155EC.