



Material Safety Data Sheet

1. IDENTIFICATION OF SUBSTANCE/COMPANY/UNDERTAKING

Product Name: Raw Linseed Oil BP

Company Name: William Hodgson & Company
'The Dairy',
Gawsworth Business Court,
Shellow Lane, North Rode,
Congleton, Cheshire. CW12 2FQ

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2. COMPOSITION/INFORMATION ON INGREDIENTS

Description: A naturally occurring tri-glyceride vegetable oil
Derived from the seed of the flax plant *Linum usitatissimum*
Having a variable fatty acid distribution in the
Following ranges:-

C16	Palmitic	5 – 7%
C16:1	Palmitoleic	Trace
C18	Stearic	3 – 6%
C18:1	Oleic	15 – 35%
C18:2	Linoleic	15 – 20%
C18:3	Linolenic	45 – 60%

Raw Linseed Oil may also contain up to 1% of natural sediment known as 'foots'
This sediment is derived from the seed and settles out given time.

CAS Number: 8001-26-1
EINECS Number: 232-278-6
INCI Name: *Linum usitatissimum*

3. HAZARDS IDENTIFICATION

Not classified as a hazardous material.





4. FIRST AID MEASURES	
Product Name:	Raw Linseed Oil BP
Skin contact:	Wash off with soap and water
Eye contact:	Wash and rinse with plenty of water
Ingestion:	If ingested give water or milk to drink and seek medical aid.
Inhalation	No vapours present at normal temperatures.

5. FIRE FIGHTING EXTINGUISHING MEASURES	
General	Linseed Oil is not flammable under normal conditions, although it will burn in fire conditions especially if absorbed onto porous material, when it burns with a fierce heat & evolves much smoke.
Extinguishers:	Use dry powder, foam CO ² or halon Extinguishers. Never use water, as this may spread the fire.
Exposure Hazards:	Will burn to give a variety of decomposition products, especially acrolein which is lachmatory
Equipment:	In large fires and potentially hazardous situations the use of breathing apparatus is essential.

6. ACCIDENTAL RELEASE MEASURES	
Spillages:	Contain the spill with sand or earth. Spray the earth with water and keep moist to prevent danger of spontaneous combustion.
Hazards:	Burn any clothes or rags which were used to clean up the spill immediately. If rags are left crumpled in a dustbin, there is a danger of spontaneous combustion. Any cloths which cannot be burned should be soaked in warm soapy water and then placed flat in a bin. Even after washing cloths must not be crumpled into a ball.
Cleaning Methods:	Once the spill has been dealt with, clean area with hot water and detergent. In extreme cases use soda ash. Linseed Oil is a drying oil and will if left to dry, form a hard film.





7. HANDLING & STORAGE MEASURES

Product Name: Raw Linseed Oil BP

Handling: Care must be taken in handling hot oil – see next Section. Avoid prolonged contact with copper & copper containing alloys, which may cause discolouration of the oil and turn the metal green: due to a reaction between the free fatty acids in the oil and the metal.

Storage: No hazards providing good hygiene is maintained. Prevent ingress of water as this may turn the oil cloudy.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

No special measures are necessary except in fire conditions.

One of the greatest dangers will be in handling hot oil. Eye protection and non-Absorbent gloves should be worn.

9. PHYSICAL & CHEMICAL PROPERTIES

Please see separate specification sheet.

10. STABILITY AND REACTIVITY

General: Very stable and relatively unreactive. There may be a colour change if exposed to light for a few days, this is due to the natural carotenoids and other components in trace quantities, bleaching due to the action of light.

Thermal Decomposition: If heated over 250°C will decompose to give a complex mixture of aldehydes, lactones and ketones, notably acrolein

Hazardous Reactions: There is a danger of spontaneous combustion as previously mentioned.





11. TOXICOLOGICAL EFFECT

Product Name:	Raw Linseed Oil BP
Oral	Not considered toxic or harmful
Eyes	Irritant but not corrosive

12. ECOLOGICAL INFORMATION

Biodegradability: Expected to be ultimately biodegradable.

13. DISPOSAL CONSIDERATIONS

Dispose of according to local and national regulations.

14. TRANSPORT INFORMATION

Classification: Not classified as hazardous.

15. REGULATORY INFORMATION

Linseed Oil is not subject to any form of animal testing.

16. OTHER INFORMATION

The information contained herein is accurate to the best of our knowledge.

No liability can be accepted arising out of the use, application or processing of this product.

It is the Users responsibility to determine safe conditions for the use of this material.

