



**Industrial
Oleochemical
Products**

PRODUCT DATA SHEET

317 Chamberlain Road, Jacobs, South Africa, 4026
Tel: +27 (0) 31 461 8680 Fax : +27 (0) 31 461 3743
Website: www.oleo.co.za Email: info@oleo.co.za

Linseed Oils

A range of linseed oils is designed for use in solvent-based paints and varnishes.

Test	Alkali refined	Bleached refined	Boiled
Acid value (mgKOH/g)	0.1 – 0.3	1.0 - 3.0	1.0 – 3.0
Colour, Gardner	3 - 5	9 - 12	9 - 12

Applications

Surface coatings	Wood treatment
Putty	Other specialized applications

Linseed oil is a triglyceride, like other fats. Linseed oil is distinctive for its unusually large amount of α -linolenic acid, which has a distinctive reaction with oxygen in air. Specifically, the fatty acids in a typical linseed oil are of the following types:

The triply unsaturated α -linolenic acid (51.9-55.2%).

The saturated acids palmitic acid (about 7%) and stearic acid (3.4-4.6%),

The monounsaturated oleic acid (18.5-22.6%),
The doubly unsaturated linoleic acid (14.2-17%).

Having a high content of di- and triunsaturated esters, linseed oil is particularly susceptible to polymerization reactions upon exposure to oxygen in air. This polymerization, which is called drying, results in the rigidification of the material. The drying process can be so exothermic as to pose a fire hazard under certain circumstances. To prevent premature drying, linseed oil-based products (oil paints, putty) should be stored in air-tight containers

Useful Product Information

CAS Number	8001-26-1
EINECS	232-278-6
HS Code	-
Flash Point, (°C)	> 220
Melting / Freezing, (°C)	Approx < -20
Specific gravity, 25/25°C	Approx. 0.928
Solubility	Insoluble in water. Soluble in alcohols and other oils



Linseed Oil

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Personal Protective Equipment



Always handle Linseed products in accordance with the safety data sheet (SDS) and proper safety procedures.

Product Packaging

Pallet: 186kgs x 4 and plastic shrink wrapped
Bulk loads ~ 23000 tons - ~32000 tons per load

Other Linseed Products

Linseed Stand Oils



Handling:	Ensure the use of personal protective equipment (see SDS: Section 8) Handle and open container with care. Keep away from heat and sources of ignition. The material is combustible but not classified as flammable. Wash thoroughly after handling. Do not eat and drink or smoke while handling this material.
Storage:	Store in original containers and keep containers tightly closed until ready for use. Store in a cool, dry, well-ventilated place. Note that storage under cool conditions may cause separation of natural waxes which may render the product slightly hazy
Incompatible materials:	Do not store OleoEster BR product in contact with powdered materials or as oily rags, since spontaneous combustion may occur under certain conditions.

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