

# Double Boiled Linseed Oil

Double Boiled Linseed Oil is supplied in the Oils range for industrial formulation and processing enquiries. CAS No. 68553-15-1.

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## Technical Data Sheet

### Polyrheo Double Boiled Linseed Oil (DBLO)

#### Product details:

**Polyrheo Double boiled Linseed Oil:**

**Composition: Mixture of Saturated (5-6%) and Unsaturated fatty acids (93-94%)**

**CAS No: 68553-15-1**

#### Product Description:

**Heated and Double boiled Linseed Oil Product** is obtained heating Raw Linseed oil while continuous air is blown. Heating the oil causes it to polymerize and oxidize, effectively making it thicker and shortening its drying time. It dries more completely and quickly and forms a film on the surface. Double Boiled Linseed oil is dark amber colored oil having a distinctively sharp smell.

It is very water resistant, and a rust inhibitor. It has a higher viscosity when compared to Raw Linseed oil.

#### Typical Properties:

| SPECIFICATION                                  | RESULTS        |
|------------------------------------------------|----------------|
| Appearance                                     | liquid         |
| Color (Gardner) in Lovibond EC 2000 (Max)      | Reddish Liquid |
| Odor                                           | Characteristic |
| Acid Number mg KoH/gm (Max)                    | <8             |
| Viscosity as such @30-86 ) °C/°F F/C B4 (Secs) | 35-45          |
| Refractive Index                               | 1.481-1/485    |
| <b>Saponification Value</b>                    | 185-200        |
| Density 20-68 ) °C/°F                          | 0.928-.95      |
| Boiling Point °C/°F                            | >( 316-602.6)  |

#### Application:

##### In the Paint industry:

Double Boiled Linseed oil is used in the paint industry as drying times are much shorter than Raw Linseed Oil. It can be mixed with Mineral turpentine or thinner. It is also used in the maintenance of paint brushes.

##### In the construction industry, as preserving agent, it finds application in wood protectives:

DBLO is used as a natural wood preservative and wood finish due to its increased durability.

It is used in the maintenance of wooden articles and tools for interior and exterior use on bare woods (other than oak).

As an additive to glazing putty, in concrete, in caulking compounds, earthen floors, adobe and sealants, as an alternative to solvent-based products designed for sealing, polishing, waxing, varnishing and finishing.

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In the manufacture of Linoleum, in corrosion protection, in pigment pastes, for removing stains, as a sealer for terracotta tiles and stone floors, in stone items, in chrome fittings, fly wire screens, in brick work, and preserving galvanised roofs.

**Storage:**

The storage life can be guaranteed for a minimum of 12 months in tightly locked containers and at a temperature of (10-50) -(30-86) °C/°F. below this, temporary turbidity of the oil would occur and can be overcome turbidity of the oil is heated about (40-104) °C/°F.

Additional information on the safe handling of **the product** is in the Material Safety Data Sheet available from Polyrheo Inc.

**Packaging:**

While you can temporarily use plastic containers of suitable sizes but for long-term storage metal containers are recommended.

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