

## Technical data sheet

### ALBERDINGK® Refined Linseed Oil

### **Characteristic:**

Alkali refined linseed oil is a slime free refined oil produced from raw linseed oil, won by a refining process going over the steps of degumming, neutralising and bleaching.

| Specification:            |               |                              | According to:             |
|---------------------------|---------------|------------------------------|---------------------------|
| Acid value                | mg KOH/g      | max. 1                       | ISO 660                   |
| Iodine colour value       |               | max. 4                       | DIN 6271                  |
| Gardner colour value      |               | max. 4                       | ISO 4630                  |
| Iodine value acc. to Wijs | g Iod/100g    | min. 175                     | ISO 12966                 |
|                           |               |                              |                           |
| Further typical data*:    |               |                              | According to:             |
| Refractive index          |               | 1.4785 -<br>1.4825           | ISO 6320                  |
| Saponification value      | mg KOH/g      | 188 - 195                    | ISO 12966                 |
| Viscosity acc. to Höppler |               |                              |                           |
| Viscosity acc. to Höppler | dPas          | 0.45 - 0.50                  | ISO 12058-1               |
| at 20°C                   | dPas          | 0.45 - 0.50                  | ISO 12058-1               |
| ,                         | dPas<br>g/cm3 | 0.45 - 0.50<br>0.926 - 0.933 | ISO 12058-1<br>ISO 2811-3 |
| at 20°C                   |               |                              |                           |

### **Applications:**

Alkali refined linseed oil is used for the production of oil modified polyester resins (i.e. alkyd resins), stand oils, printing varnishes, maleat and urethane oils in the synthetic resins, coatings and printing ink industry. It also finds application as a binder in pigment pastes.

#### **Properties:**

As a triglyceride, Alkali refined linseed oil belongs to the fast drying vegetable oils with a high portion of unsaturated fatty acids - about 50 - 60% linolenic acid, 14 - 18% linoleic acid and 17 - 24% oleic acid. In contact with air, accelerated by driers (siccatives), linseed oil forms hard films with excellent stability and good colour- and gloss-retention.

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| Page 1 of 2   | Alberdingk Boley, Inc.   Greensboro, NC, USA   www.alberdingkusa.com  |
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|               | The details contained herein are based on our present state of technology and shall inform on our products and their application possibilities. A lawful binding assurance of certain attributes or the suitability for a concrete operation purpose cannot be derived from thisinformation. Industrial property rights are to be considered if required. |



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### Storage:

The storage life can be guaranteed for minimum 12 months in tightly locked containers and at a temperature of + 10 °C up to + 30 °C. A turbidity of the oil due to coldness is reversible and can be removed by heating up to more than 40 °C.

### Safety:

For further information on product safety please refer to the current safety data sheet.

### Notice:

\* General information - the values can not be considered as part of the product specification.

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