

TECHNICAL DATA SHEET

SYNOLAC® 3001

Long oil alkyd

PRODUCT APPLICATION DETAILS

SYNOLAC® 3001 is a long oil oxidising alkyd based on semidrying oil and modified with pentaerythritol. This is recommended for use in high quality non yellowing synthetic enamels having excellent gloss.

SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (at 150°C, 1gm, 1hr)	95 - 100 %	ISO 3251
Viscosity (50% MTO, Ford Cup B-4) (at 30°C)	80 - 100 s	
Color	8 max Gardner	ISO 4630
Acid value	10 max mg KOH/g	ISO 2114

OTHER CHARACTERISTICS¹

	CHARACTERISTICS	METHODS
Volatile	-	
Density (at 20°C)	0.98 g/ml	ISO 2811
Fatty acid type	Soyabean	
Fatty acid content	65 %	

Acid value and/or Hydroxyl value quoted relative to solid resin

¹The data provided for these properties are typical values, intended only as guides, and should not be construed as sales specifications

MARKETS

Coatings & Inks

- Industrial Coating
- General Industry

PERFORMANCE BENEFITS

- Excellent gloss and gloss retention
- Excellent color retention
- Non yellowing

SYNOLAC® 3001

FORMULATION GUIDELINES

RECOMMENDATIONS FOR USE

SOLUBILITY:

SYNOLAC® 3001 is soluble in aliphatic and aromatic hydrocarbons, ketones and esters.

COMPATIBILITY:

SYNOLAC® 3001 is compatible with most long and medium oil alkyds, urethane alkyds, drying oils and varnishes.

DRIERS:

For air drying application recommended drier combination is as follows; 0.05% Cobalt 0.1% Calcium and 0.5% Lead calculated as metal on solid resin. In lead free systems, 0.2% - 0.6% of Zirconium can be used as an alternative to Lead.

Typical Drying time using above combination are as follows:

S.D. - 1 – 2 hrs.

T. D. - 5 – 6 hrs.

H. D. - O/N.

USES:

This resin is use in high quality non-yellowing synthetic enamels and roller coating application.

PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

STORAGE AND HANDLING

SYNOLAC® 3001 should be stored indoors in the original, unopened and undamaged container, in a dry place at a temperature not exceeding 30°C. Exposure to direct sunlight should be avoided. In the above mentioned storage conditions the shelf life of the resin will be from the date of manufacturing.

Shelf Life (Months): 12

Arkema Chemical India Private Ltd.
D-43, Trans Thane Creek MICD
Industrial Area 400706, Mumbai – India
T +91 22 67377122

Headquarters: Arkema France
51, Esplanade du Général de Gaulle
92800 Puteaux – France
T +33 (0)1 49 00 80 80

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