

## 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 CHARACTERISTICS<sup>1</sup>

	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

<sup>1</sup>The 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

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