

## TECHNICAL DATA SHEET

# SYNOLAC® 5001-70

Short Oil Alkyd

### PRODUCT APPLICATION DETAILS

SYNOLAC® 5001-70 is a short oil non-oxidising alkyd resin. This resin is recommended to use with amino resins for stoving enamels and plasticizing alkyd in NC lacquers.

### SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (at 150°C, 1gm, 1hr)	68 - 72 %	ISO 3251
Viscosity (50% Xylene, Ford Cup B-4) (at 30°C)	5 - 8 P	
Color	5 max Gardner	ISO 4630
Acid value	15 max mg KOH/g	ISO 2114

### OTHER CHARACTERISTICS<sup>1</sup>

	CHARACTERISTICS	METHODS
Volatile	Xylene	
Density (at 20°C)	1.08 g/ml	ISO 2811
Fatty acid type	Coconut	
Fatty acid content	32 %	

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

#### Health, Hygiene, & Beauty

- Detergency & Cleaning
  - Textile & Others

#### Coatings & Inks

- Industrial Coating
  - General Industry
  - Wood Furniture
  - Rigid Packaging Metal (Can & Others)

### PERFORMANCE BENEFITS

- Excellent gloss retention
- Excellent color retention
- Excellent hardness along with adequate flexibility

# SYNOLAC® 5001-70

## FORMULATION GUIDELINES

### RECOMMENDATIONS FOR USE

SYNOLAC® 5001-70 is compatible with amino resins and is typically used in combination with Melamine formaldehyde. For an optimum performance with respect to level of cure, flexibility, hardness and impact resistance, a combination of SYNOLAC® 5001-70 with amino resin at a suitable ratio on solid resin is recommended.

### SOLUBILITY:

SYNOLAC® 5001-70 is soluble in aromatic hydrocarbons, ketones and esters.

### COMPATIBILITY:

SYNOLAC® 5001-70 is compatible with most short oil alkyds, amino resins and nitrocellulose resins.

### USES:

SYNOLAC® 5001-70 is used in stoving enamels with excellent colour retention. It is also used in NC lacquers and roller coating varnishes.

## PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

## STORAGE AND HANDLING

SYNOLAC® 5001-70 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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