

## TECHNICAL DATA SHEET

# SYNOLAC® K32X

Short Oil Alkyd

### PRODUCT APPLICATION DETAILS

SYNOLAC® K32X is short oil, non-drying alkyd resin recommended to be used as plasticizer in nitro-cellulose lacquers. In conjunction with proper amino resins, acid curing lacquers with good pot-life, cold check resistance and non-yellowing properties can be formulated. It is also recommended to be used as non-yellowing stoving enamel.

### SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (125°C, %)	68 - 72	ISO 3251
Viscosity (25°C, Gardner)	(Z6-) – (Z6+)	Gardner-Holdt
Color (Gardner)	Max. 4	ASTM D-1544
Acid value (mg KOH/g)	3 - 10	ISO 2114

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

	CHARACTERISTICS	METHODS
Solvent	Xylene	-
Density (25°C, g/mL)	1.07	-
Fatty acid type	Coconut Oil	-
Fatty acid content (%)	32	-
Hydroxyl content (%)	5.2	-

<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
  - Wood Furniture
  - Industrial Wood Finishes

### PERFORMANCE BENEFITS

- Fast drying
- Good pot-life
- Non-yellowing

# SYNOLAC® K32X

## FORMULATION GUIDELINES

### RECOMMENDATIONS FOR USE

SYNOLAC® K32X can be used for nitro-cellulose and acid curing wood coatings, general-purpose industrial enamels.

### SOLUBILITY

Aromatic hydrocarbon — Complete  
Ester — Complete  
Ketone — Complete  
Glycol Ether — Complete  
Alcohol — Partial  
Aliphatic Hydrocarbon — Not Soluble

### COMPATIBILITY

Urea Resins — Very Good  
Isocyanate Resins — Very Good  
Short Oil Alkyd — Good  
Melamine Resins — Good  
NC/CAB — Good  
Polyester Resins — Fair  
Acrylic Resins — Fair  
Epoxy Resins — Fair

## PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

## STORAGE AND HANDLING

SYNOLAC® K32X should be stored indoors in the original, unopened and undamaged container, in a dry place at a temperature not exceeding 35°C. Exposure to direct sunlight should be avoided.  
In the above mentioned storage conditions the shelf life of the resin will be 12 months.

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