

TECHNICAL DATA SHEET

SYNOLAC® 8031 S 75

Short Oil Alkyd

PRODUCT APPLICATION DETAILS

SYNOLAC® 8031 S 75 is a short oil alkyd designed for use with nitrocellulose in aromatic-free nitrocellulose wood lacquers and with urea-formaldehyde and melamine-formaldehyde resins in high solids acid catalysed varnishes.

SYNOLAC® 8031 S 75 provides an excellent plasticizing effect for nitrocellulose. The nitrocellulose lacquers based on SYNOLAC® 8031 S 75 show good film build and a good balance of flexibility and hardness.

SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (125°C)	74 - 76 %	ISO 3251
Viscosity (25°C)	5000 - 7000 mPa.s	ISO 3219
Color	6 max Gardner	ISO 4630
Acid value	20 - 30 mg KOH/g	ISO 2114

OTHER CHARACTERISTICS¹

	CHARACTERISTICS	METHODS
Solvent	Butyl acetate : Ethanol	-
Flash point	16 °C	ISO 3679
Density	1.06 g/ml	ISO 2811
Fatty acid type	Tall oil	-
Fatty acid content	36 %	-

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
- Wood Furniture

SYNOLAC® 8031 S 75

FORMULATION GUIDELINES

RECOMMENDATIONS FOR USE

In acid curing varnishes, the acid catalysed component is supplied in a separate container to the bulk of the lacquers and the two components are mixed prior to use. Once mixed this type of system will have a useable pot life of 2 or 3 days if stored at room temperature.

A good starting point for alkyd:amino ratio is 60:40 on solid resins where the amino component is divided 75:25 urea:melamine.

SOLUBILITY

SYNOLAC® 8031 S 75 is soluble in aromatic hydrocarbons, esters and ketones.

COMPATIBILITY

SYNOLAC® 8031 S 75 is compatible with most other short oil alkyds and amino resins and is incompatible with long oil alkyds.

PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

STORAGE AND HANDLING

SYNOLAC® 8031 S 75 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 shipping date.

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