



# Kuwait Chemical Manufacturing Company KSC

الشركة الكويتية للتصنيع الكيماوي (ش.م.ك.)

## TECHNICAL DATA SHEET

01 June 2005

**LONG OIL ALKYD**

**KULAC LSN 40N/100**

**Kulac LSN 40N/100** is a  $\pm 100\%$  solids long oil alkyd containing only a small proportion of xylene used during processing. **Kulac LSN 40N/100** has been formulated for use in high quality architectural coatings when diluted with a suitable solvent.

### Application Areas

**Kulac LSN 40N/100** may be used in the formulation of brush or roller applied decorative finishes such as:

- Enamels
- Undercoats
- Primers

### Physical Characteristics

Parameter	Units	Limits
Oil Length	%	$\pm 62$
Oil Type	Nil	Linoleic Rich
Non-Volatile Content	%	96 Min.
Viscosity (25°C)	Poise	$\pm 1700$
Viscosity (50°C)	Poise	$\pm 314$
Viscosity (100°C)	Poise	$\pm 11$
Solids @ 2 Poise in W.S.	%	$\pm 48$
Acid Value (on solids)	mg KOH/g	10 Max.
Colour	Gardner	5 Max.
Clarity	Nil	Clear
<b>B. K. Drying Times <sup>1</sup></b>		
Touch Dry	Hours	$\pm 2$
Hard Dry	Hours	$\pm 3 \frac{1}{2}$

### Compatibility Characteristics <sup>2</sup>

Solvents	Compatibility
Alcohols	Limited
Aliphatics	Compatible
Aromatics	Compatible
Esters	Compatible
Ketones	Compatible
<b>Other Film Formers</b>	
Amino Resins	Incompatible
Bodied Oils	Limited
Chlorinated Rubber	Limited
Drying Oils	Compatible
Long Oil Alkyds	Compatible
Medium Oil Alkyds	Compatible

#### Note:

<sup>1</sup> Sample containing 0.05% Co and 0.5% Pb on resin solids reduced to 100 seconds Ford 4 with white spirits and matured for 48 hours. The varnish is subsequently applied at a 75 $\mu$  wet film thickness to glass panels and allowed to dry under laboratory conditions.

<sup>2</sup> Compatibility characteristics are provided for guidelines only. Combinations should be thoroughly checked before use.

### Packaging

**Kulac LSN 40N/100** is available in 190 Kg Net mild steel tight head drums. For alternative packaging requirements please contact our Sales Department.

### Variants

**Kulac LSN 40N/100** is also available diluted with white spirits. **Kulac LSN 40W/80** and **Kulac LSN 40W/70** are the 80% and 70% solids versions respectively, whilst **Kulac LSN 40W/58** is available for bulk supplies.

### Storage Stability and Safety

Kulac alkyd resins should be stored below 30°C in a cool, dry position away from direct sunlight or other heat sources. Under these conditions the resins will have a shelf life of one year.

Kulac alkyds should additionally be stored and handled in accordance with local statutory regulations.

**Address** P. O. Box 26011, Safat, Kuwait, 13121

**Telephone** (+65) 326-3297 or 326-3497

**Fax** (+65) 326-0179

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**E-Mail** sales@kcmckw.com

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