



# Kuwait Chemical Manufacturing Company KSC

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

## TECHNICAL DATA SHEET

01 June 2005

**LONG OIL ALKYD**

**KULAC LSN 40W/70**

**Kulac LSN 40W/70** is a 70% solids long oil alkyd in white spirits. **Kulac LSN 40W/70** has been formulated for use in high quality architectural coatings when diluted with suitable solvents.

### Application Areas

**Kulac LSN 40W/70** 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	%	± 62
Oil Type	Nil	Linoleic Rich
Non-Volatile Content	%	70 ± 2
Viscosity (25°C)	Poise	± 150
Viscosity (25°C)	Gardner	± Z <sub>6</sub>
Solids @ 2 Poise in W.S.	%	± 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	± 2
Hard Dry	Hours	± 3 ½

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

Solvents	
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 75µ 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 40W/70** is available in 190 Kg Net mild steel tight head drums. For alternative packaging requirements please contact our Sales Department.

### Variants

**Kulac LSN 40W/70** is also available as a 100% solids resin version, **LSN 40N/100**, an 80% solids version, **LSN 40W/80** and a 58% solids version for bulk deliveries, **Kulac LSN 40W/58**. White spirits is the base solvent in all diluted versions.

### 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.

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