



Kuwait Chemical Manufacturing Company KSC

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

TECHNICAL DATA SHEET

01 June 2005

LONG OIL ALKYD

KULAC LSN 40W/58

Kulac LSN 40W/58 is a pumpable, 58% solids, long oil alkyd in white spirits. **Kulac LSN 40W/58** has been formulated for use in high quality architectural coatings when diluted with suitable solvents.

Application Areas

Kulac LSN 40W/58 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 | % | 58 ± 2 |
| Viscosity (25°C) | Poise | 13 - 17 |
| Viscosity (25°C) | Gardner | X - Y |
| Solids @ 2 Poise in W.S. | % | ± 48 |
| Acid Value (on solids) | mg KOH/g | 10 Max. |
| Colour | Gardner | 4 Max. |
| Clarity | Nil | Clear |
| B. K. Drying Times ¹ | | |
| Touch Dry | Hours | ± 2 |
| Hard Dry | Hours | ± 3 ½ |

Compatibility Characteristics ²

| Solvents | |
|---------------------------|--------------|
| Alcohols | Limited |
| Aliphatics | Compatible |
| Aromatics | Compatible |
| Esters | Compatible |
| Ketones | Compatible |
| Other Film Formers | |
| Amino Resins | Incompatible |
| Bodied Oils | Limited |
| Chlorinated Rubber | Limited |
| Drying Oils | Compatible |
| Long Oil Alkyds | Compatible |
| Medium Oil Alkyds | Compatible |

Note:

¹ 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.

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

Packaging

Kulac LSN 40W/58 is available in 1000 Kg Net IBCs or road tankers (approximately 18 tons). For alternative packaging requirements please contact our Sales Department.

Variants

Kulac LSN 40W/58 is also available as a 100% solids resin version, **LSN 40N/100**, an 80% solids version, **LSN 40W/80** and a 70% solids version, **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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