H&I Chemicals Ltd
Hesketh House, 5 Ashfield Road
Chorley, Lancashire, PR7 1LH

Tel: 01257 261633
Email: Sales@hichemicals.com

SALES SPECIFICATION

ALKYD RESIN SMK 2306-D40

SMK-2306 is a Soybean Oil Based Long Oil Alkyd Resin.

Composition

Oil Type:	Soy Bean Oil
Oil Length:	~64 %
Solvent:	D40
PA Content:	25 %
Appearance:	Clear

Test	**Range**	**Method**
Non-Volatile:	70±2 %	ISO 3251
Viscosity (25°C) Pa.s (70%):	3 – 6	ISO 3219
Acid Value (mg KoH/g):	10 Max	ISO 2114
Colour (Gardner):	6 Max	ISO 4630-2
Density (gcm^3):	0.96 ± 0.02	ISO 2811-1

Solvent Solubility

Toluene:	✓
Xylene:	✓
White Spirit:	✓
n-Butanol:	X
Methyl Ethyl Ketones:	✓

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Glycol Ethers:	✓

Resin Type Compatibility

Rosin Esters:	X
Amino Resins:	X
Short Oil Alkyds:	X
Medium Oil Alkyds:	✓
Long Oil Alkyds:	✓
Aliphatic Hardeners:	✓
Aromatic Hardeners:	✓
Cellulosic Resin:	X
Phenoic Resin:	X

Recommended Drier Combinations:

Cobalt:	0.04 – 0.06 %
Zirconium:	0.05 – 0.07 %
Calcium:	0.08 – 0.10 %

(As metals in relation to 100% resin)

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