

Preliminary Technical Data Sheet

02 November 2014

Hydroxy Acrylic (Acrylic Polyol) in Mixed Solvents

KUCRYL OHA 420S/65

Kucryl OHA 420S/65 is a 4.2% hydroxy acrylic copolymer in butyl acetate/methoxy propyl acetate. **Kucryl OHA 420S/65** has been specifically designed for use, in combination with a suitable aliphatic polyisocyanate, in medium solids two component automotive coatings where high initial gloss and long term durability are required.

Physical Characteristics

<u>Parameter</u>	<u>Units</u>	<u>Limits</u>	<u>Parameter</u>	<u>Units</u>	<u>Limits</u>
Non-Volatile Content	%	65 ± 2	Clarity	Nil	Clear
Viscosity (25°C)	Gardner	Z – Z ₂	Colour	APHA	< 50
Viscosity (25°C) *	Poise	30 - 50	Specific Gravity (25°C) *	Nil	± 1.01
Acid Value (on solids)	mg KOH/g	6 - 10			

Hydroxyl Content *

	<u>Percent Hydroxyl</u>	<u>Hydroxyl Number</u>	<u>Hydroxyl Equivalent Mass</u>
On Solids Content	4.2%	140 mg KOH/g	405 grams
As Supplied	2.7%	90 mg KOH/g	625 grams

Solubility Characteristics *

<u>Solvent</u>	<u>Solubility</u>	<u>Solvent</u>	<u>Solubility</u>
Aromatics	Soluble	Esters	Soluble
Ketones	Soluble	White Spirits	Limited

Properties marked with an * are provided for information purposes only and do not form part of the product specification.

Kucryl OHA 420S/65 has limited compatibility with other film formers other than polyisocyanates.

Areas of Use

Kucryl OHA 420S/65 is recommended as a component in the formulation of the following products:

- Automotive Clear Coats
- Automotive Solid Colours

Application Methods

Kucryl OHA 420S/65 is of use in the formulation of spray applied room temperature or forced dry coatings.

Variants

Kucryl OHA 420S/65 has no variant at this time.

Packaging

Kucryl OHA 420S/65 is packaged in 190Kg net mild steel tight head drums.

Storage Stability and Safety

Kucryl OHA 420S/65 is stable for a period of 12 months when stored in its original container out of direct sunlight at temperatures not exceeding 25°C. This product contains Butyl and Methoxypropyl acetates. As such it requires special care in handling. Please refer to the MSDS and any local statutory requirements.

No warranty or guarantee, express or implied, is made regarding the performance or suitability in any product as the finished product formulation and/or manner of use are beyond our control.

KCMC are committed to improving all aspects of our product range through continued research and development. As such product composition and/or specifications may change without notice.