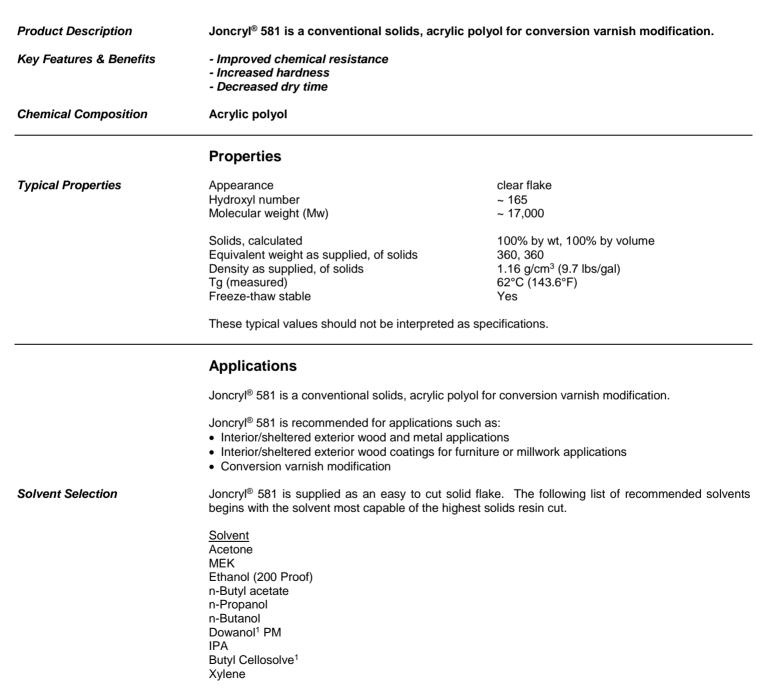
# **Industrial Coatings**

**Technical Data Sheet** 

# Joncryl<sup>®</sup> 581 Polyol



<sup>1</sup>Trademark of The Dow Chemical Company.

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### Starting Point Formulation

The following starting point formulation replaces 20% of the alkyd solids with Joncryl<sup>®</sup> 581. Additional optimization of the formulation will be required to achieve desired results for specific applications.

Materials	Pounds	Gallons
Beckosol <sup>2</sup> 12-035	296.61	35.29
Xylene	75.17	10.37
n-Butanol	91.15	13.50
MAK	66.15	9.73
n-Butyl acetate	98.15	13.35
Cymel <sup>3</sup> U-65	<u>91.21</u>	<u>8.86</u>
Subtotal	718.44	91.10
Next two items are premixed (60%):		
Joncryl <sup>®</sup> 581	44.12	4.54
n-Butyl acetate	29.38	4.00
BYK <sup>4</sup> -301	1.50	0.19
K-Cure <sup>5</sup> 1040	<u>9.60</u>	<u>1.16</u>
Total	803.04	100.99

# **Formulation Attributes**

Solids	61% by wt, 45% by volume	
Viscosity (Brookfield)	200 cps	
PVC	17%	
Pigment:Binder ratio	0.72	
NCO:OH ratio	1:1	
VOC (calculated)	3.8 lbs/gal, 461 g/l	

<sup>2</sup>Registered trademark of Reichhold Chemicals, Inc.
<sup>3</sup>Registered trademark of Cytec Technologies Corp.
<sup>4</sup>Registered trademark of BYK-Chemie GmbH.
<sup>5</sup>Registered trademark of King Industries, Inc.

GeneralSafetyGeneralThe usual safety precautions when handling chemicals must be observed. These include the measures<br/>described in Federal, State, and Local health and safety regulations, thorough ventilation of the<br/>workplace, good skin care, and wearing of personal protective equipment.Safety Data SheetAll safety information is provided in the Safety Data Sheet for Joncryl<sup>®</sup> 581.

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