

# Joncryl<sup>®</sup> HPD 96

**Product Description** Joncryl HPD 96 is a high-performance acrylic resin solution for pigment dispersion applications.

**Key Features & Benefits**

- High pigment concentrations at low viscosity
- Very good viscosity stability
- Color development and gloss

**Chemical Composition** Styrene acrylic resin solution

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## Properties

Typical Properties		
Appearance		clear liquid
Non-volatile	%	34
pH at 25°C		8.5
Viscosity at 25°C	cps	5,000
Molecular weight (Mw)		16,000
Acid number (NV)		220
Density at 25°C	g/cm <sup>3</sup>	1.10
Tg	°C	88
Freeze-thaw stable		Yes
Total VOC	% wt	0.6

These typical values should not be interpreted as specifications.

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## Application

Joncryl HPD 96 is a 34% solids, high molecular weight, acrylic resin solution specifically designed to improve the color development and gloss of pigment dispersions without compromising ink stability. Dispersions formulated with this solution approach the quality of chip dispersions.

Joncryl HPD 96 is recommended for applications such as:

- Pigment dispersions

Joncryl HPD 96 also offers improved dispersion and ink stability compared to traditional dispersion resin solutions. This solution provides enhanced wetting properties compared to conventional dispersion resins, which allows the formulation of high solids, low viscosity pigment dispersions that have excellent rheology, flow, and viscosity stability.

**Processing** Dispersions with pigment loadings of 35 – 40% can often be achieved with Joncryl HPD 96. A pigment-to-binder ratio of 4:1 will generally yield good viscosity and shock stability.

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## **Safety**

### **General**

The usual safety precautions when handling chemicals must be observed. These include the measures described in Federal, State and Local health and safety regulations, thorough ventilation of the workplace, good skin care and wearing of protective goggles.

### **Safety Data Sheet**

All safety information is provided in the Safety Data Sheet for Joncryl HPD 96.

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## **Storage**

Please refer to the "Handling and Storage of Polymer Dispersions" brochure.

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### **BASF Corporation**

Dispersions and Resins  
11501 Steele Creek Road

Charlotte, North Carolina 28273

Phone: (800) 251 – 0612

Email: [CustCare-Charlotte@basf.com](mailto:CustCare-Charlotte@basf.com)

Email: [edtech\\_info@basf.com](mailto:edtech_info@basf.com)

[www.basf.us/dpsolutions](http://www.basf.us/dpsolutions)