

# Joncryl® HPD 496-A

## Product Description

Joncryl HPD 496-A is premium performance resin solution that enables highly concentrated pigment dispersions for use in water-based inks.

## Key Features & Benefits

- supports highly concentrated pigment dispersions
- superior color development
- excellent performance with critical pigments
- excellent rheology and transfer
- excellent gloss and transparency
- excellent shock stability with letdown
- Swiss Ordinance List A compliant

## Chemical Composition

Acrylic copolymer

## Properties

### Typical Properties

Appearance		clear solution
Non-volatile	%	34.5
Molecular weight (Mw)		5,500
Brookfield viscosity at 25°C	cP	500
pH		8.5
Acid value	mg KOH/g	178
Density at 25°C	g/cm <sup>3</sup>	1.07
Tg	°C	58
Freeze-thaw stable		yes

These typical values should not be interpreted as specifications.

## Application

Joncryl HPD 496-A is a premium performance dispersion resin solution that enables highly pigmented dispersions at low viscosity and with excellent shock stability. This stability allows the dispersions to be used in automated dispensing equipment without the need for further buffering. Joncryl HPD 496-A resin solution improves milling efficiency by allowing faster pigment wetting and particle size reduction, and a higher pigment loading.

## Starting Point Formulation

25.5 parts	Joncryl HPD 496-A
45.0 parts	Organic pigment
0.5 parts	FoamStar® SI 2280 defoamer
29.0 parts	Water

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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 496-A.

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## **Storage**

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

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