

# Joncryl<sup>®</sup> HPD 96 DMEA

## General

A high performance dispersion resin solution for high concentrated pigment dispersions to be used in water-based ink

## Key features & benefits

very good pigment dispersion  
high pigment load  
low viscosity

## Chemical composition

styrene acrylic resin solutions

## Properties

### Appearance

clear solution

### Typical characteristics

*(should not be interpreted as specifications)*

molecular weight (Mw)	~ 16,500
acid number	~ 242
non-volatile	26.8%
pH at 25°C	8.4
viscosity	400 mPa.s
Tg	105

## Application

Joncryl<sup>®</sup> HPD 96 DMEA is a high molecular weight, high acid value resin solution specifically designed to optimise the grinding of pigments while still offering excellent ink stability. Dispersions made with Joncryl<sup>®</sup> HPD 96 DMEA exhibit excellent rheology properties. This allows for higher pigment loadings, which are a trend in the industry. Due to its superior color development capability it is often possible to achieve equal color strength at reduced pigment levels.

### Optimised HLB and chain flexibility

The styrene acrylic resin backbone of Joncryl<sup>®</sup> HPD 96 DMEA has been carefully modified to optimise both the hydrophilic/lipophilic balance and the chain flexibility. This results in enhancement of both the rate and degree of adsorption on the pigment surface, a vital combination of characteristics needed for dispersing particles to their primary particle size.

Each pigment class, or even each pigment surface is different and potentially needs a special dispersant for optimised results. Joncryl<sup>®</sup> HPD 96 DMEA is demonstrating excellent results with a broad range of surfaces like lithol rubines and phthalocyanine blue.

Joncryl® HPD 96 DMEA TDS EN (10-2019)

#### **Safety**

When handling this product, please comply with the advice and information given in the safety data sheet and observe protective and workplace hygiene measures adequate for handling chemicals.

#### **Note**

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights, etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. The agreed contractual quality of the product results exclusively from the statements made in the product specification. It is the responsibility of the recipient of our product to ensure that any proprietary rights and existing laws and legislation are observed.

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