We create chemistry

Joncryl® HPD 96 MEA

Product Description

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

Key Features & Benefits

- No ammonia odor
- Enables high pigment concentrations at low viscosity
- Enables good viscosity stability in pigment dispersions
- Color development and gloss

Chemical Composition

Styrene acrylic resin solution

Properties

Typical Properties

Appearance		yellow to amber liquid
Non-volatile	%	39.0
pH at 25°C		8.6
Viscosity at 25°C	cps	5,000
Molecular weight (Mw)		16,000
Acid number (NV)		220
Density at 25°C	g/cm^3	1.10
Tg	°C	86
Freeze-thaw stable		Yes
Total VOC	% wt	8.6

These typical values should not be interpreted as specifications.

Application

Joncryl HPD 96 MEA is a 39% solids solution in water and monoethanolamine of a high molecular weight acrylic resin that is specifically designed to improve the color development and gloss of pigment dispersions without compromising ink stability. Dispersions made with this solution approach the quality of chip dispersions.

Joncryl HPD 96 MEA is recommended for applications such as:

- Pigment dispersions

Joncryl HPD 96 MEA also offers improved dispersion and ink stability compared to traditional dispersion resin solutions. In addition, it provides enhanced wetting properties compared to conventional dispersion resins. This allows the manufacture 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 MEA. Pigment-to-binder ratio of 4:1 will generally yield good viscosity and shock stability.

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 MEA.

Storage

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

Important

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