

Joncryl® 143

Product Description	Joncryl 143 is a general-purpose acrylic colloidal emulsion for printing ink applications.
Key Features & Benefits	<ul style="list-style-type: none">- Sole vehicle for carbon black- Letdown vehicle for organic colors- Thickening agent
Chemical Composition	Acrylic colloidal emulsion

Properties

Typical Properties	Appearance		opaque emulsion
	Non-volatile	%	39.5
	pH at 25°C		6.0
	Molecular weight (Mw)		48,000
	Acid number (NV)		130
	Density at 25°C	g/cm ³	1.05
	MFFT	°C	< 7
	Tg	°C	10
	Freeze-thaw stable		No
	Total VOC	% wt	< 0.005

* These typical values should not be interpreted as specifications.

Applications

Joncryl 143 is a general-purpose acrylic colloidal emulsion designed as a sole vehicle for carbon black inks. It is also recommended as a letdown vehicle for organic pigment colors. In addition, it can be used to disperse inorganic pigments and is also effective as an alkali-soluble thickener to enhance carry-up and transfer.

Joncryl 143 is recommended for applications such as:

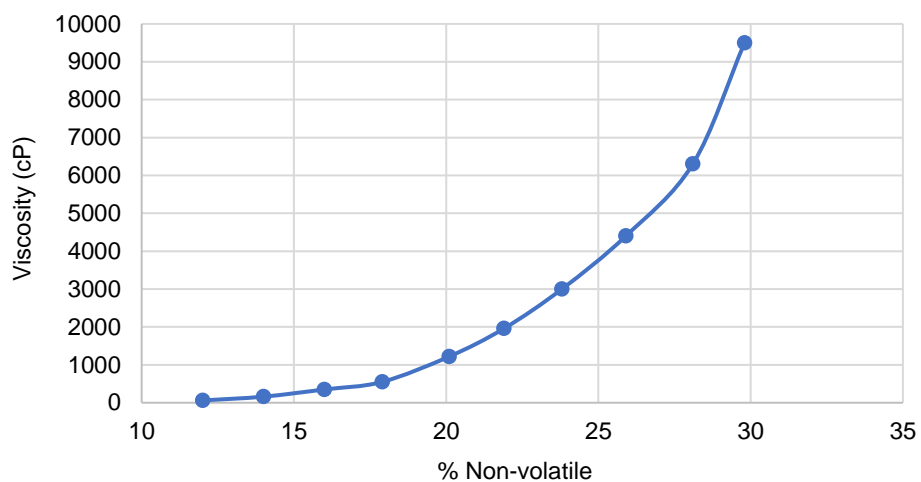
- Printing inks for flexographic applications on corrugated and paperboard

Processing	Since Joncryl 143 is supplied in the acidic form, it must be neutralized and diluted before subsequent use in ink formulations. Typical neutralization formulation follows:
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	<u>Ammonium Solution</u>	<u>Sodium Solution</u>	<u>MEA Solution</u>
Water	32.9	28.4	34.5
Ammonium hydroxide, 28%	3.6	-	-
Sodium hydroxide, 25%	-	8.8	-
Monoethanolamine (MEA)	-	-	3.0
Joncryl® 143	<u>63.5</u>	<u>62.8</u>	<u>62.5</u>
Total	100.0	100.0	100.0

Physical Characteristics			
pH	7.7	8.5	8.6
Viscosity	6,500 cps	2,200 cps	2,500 cps
Polymer solids	26.0%	27.0%	25.4%

Joncryl 143, viscosity vs. %NV @ pH 8.5



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 143.

Storage

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

Important

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