

# Joncryl<sup>®</sup> ECO 84

<b>Product Description</b>	Joncryl ECO 84 is solution of Joncryl ECO 684, a low molecular weight, glycol ether-free <sup>1</sup> resin for overprint varnish and liquid ink applications.
<b>Key Features &amp; Benefits</b>	<ul style="list-style-type: none"><li>- High solids</li><li>- Promotes very high gloss</li><li>- Low VOC and HAPS</li></ul>
<b>Chemical Composition</b>	Styrene acrylic resin solution

<sup>1</sup>The glycol ether level in this product averages less than 0.002 weight percent.

## Properties

<b>Typical Properties</b>	Appearance		clear, yellow liquid
	Non-volatile	%	46.0
	pH at 25°C		8.5
	Viscosity at 25°C	cps	2,200
	Molecular weight (Mw)		1,850
	Acid number (NV)		243
	Density at 25°C	g/cm <sup>3</sup>	1.10
	Tg	°C	88
	Total VOC	% wt	< 0.2

These typical values should not be interpreted as specifications.

## Application

Joncryl ECO 84 is a 46% solids solution of Joncryl ECO 684, a low molecular weight, glycol ether-free acrylic resin in water and ammonia. This solution allows for the formulation of very high gloss overprint varnishes at high solids with excellent holdout.

Joncryl ECO 84 is recommended for applications such as:

- Overprint varnishes for commercial, publication or packaging applications

Joncryl ECO polymers allow the formulator to develop ultra-low VOC, glycol ether-free products to meet industry standards. These polymers provide an 80% reduction in VOC compared to conventional water-based polymers. They are ideal for demanding packaging applications like the confectionary and tobacco markets that cannot tolerate solvent odor contamination. Additionally, the excellent compatibility and printability of Joncryl ECO polymers makes them an ideal system for next generation inks and overprint varnishes.

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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 ECO 84.

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## **Storage**

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

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## Important

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