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Joncryl® ECO 2177

General

Joncryl® ECO 2177 is a hard, film forming, glycol ether-free(1), Rheology Controlled (RC) acrylic emulsion for printing ink and overprint varnish applications

Key features & benefits

- ultra low VOC(2)
- HAP solvent free
- low odor

Chemical composition

RC acrylic emulsion

(1) *The glycol ether level in this product averages less than 0.002 weight percent.*
(2) *The Volatile Organic Compounds (VOC) for this product are below the gas chromatography detection of 0.005 weight percent.*

Properties

Appearance

translucent emulsion

Typical characteristics

(should not be interpreted as specifications)

Non-volatile at 145°C (2g, 60 min)	~ 46.0%
pH at 25°C	~ 8.2
Viscosity at 25°C (#2 LV, 30 rpm, 30 sec)	~ 500 cps
Molecular weight (Mw)	>200,000
Acid number (NV)	55
density at 25°C	1.05 g/cm^3
MFFT	11°C
Tg	21°C
freeze-thaw stable	Yes
total VOC	<0.1% wt

Application

Joncryl® ECO 2177 is a hard, film forming, RC acrylic emulsion that is glycol ether free and is ultra-low VOC. It provides rub and block resistant and adhesion to ink and overprint varnish formulations.

Joncryl® ECO 2177 is recommended for applications such as:

- Printing inks for flexographic or gravure applications
- Overprint varnishes for packaging, commercial, or publication applications

Joncryl® ECO polymers allow the formulator to develop ultra low VOC, glycol ether-free products to meet stringent industry standards. These polymers provide an 80% reduction in VOC compared to conventional water-based polymers. They are ideal for demanding packaging applications like confectionary or 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 printing inks and overprint varnishes.

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.

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