



# EMERALD<sup>®</sup> PREMIUM KDMC

## Alcohol Replacement Fount for Heat-Set Web

### 20047

#### DESCRIPTION

EMERALD<sup>®</sup> PREMIUM KDMC was developed to provide faster restarts on CTP and PDI plates. Superior plate desensitizing allows plates to run and restart cleaner, minimizing ink transfer from the non-printing plate area. This formula offers improved stability on press due to a lower rate of ink feedback onto the dampening rollers.

#### FEATURES

- **Faster re-starts on CTP and PDI plates.**
- Improved intervals between blanket washes.
- Low VOC of 0.6 lbs. per gallon.
- Improved plate desensitizing.
- Runs at lower dosage than many "anti-piling" fountain solutions.
- Better press stability due to minimized ink feed-back onto the dampening rollers.

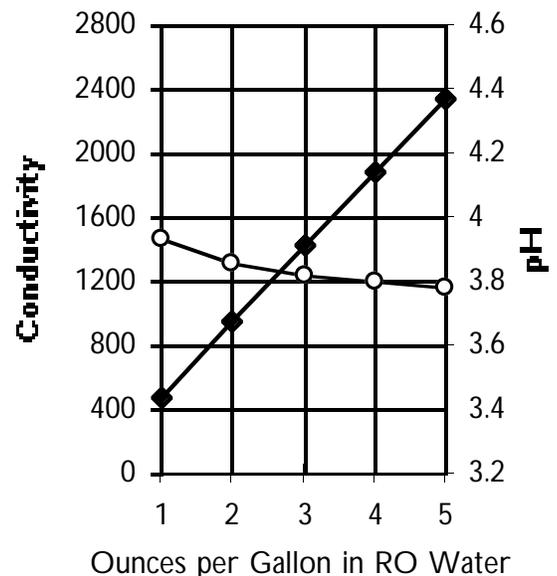
#### TECHNICAL DATA

VOC	0.6 lbs/gallon
Glycol ether solvents	6.7 % by weight
pH	3.8
Dosage	4 to 5 oz/gallon
Conductivity	470 mmhos/ounce
Phosphorous content	1900 PPM
<b>Press-ready solution (4 oz/GI in RO water)</b>	
pH	3.8
Conductivity	1880 mmhos
Surface Tension	32 to 36 dynes/cm

#### DIRECTIONS

The suggested starting concentration for EMERALD<sup>®</sup> PREMIUM KDMC is 4 to 5 ounces per gallon, based on dampening needs. Conductivity should read about 470 mmhos for each ounce used above the water. The pH of the working solution will be between 3.9 and 4.3, depending on the alkalinity of the local water supply. To verify the pH and conductivity of the press-ready solution, prepare a control sample using local water at the desired dosage. Record the pH and conductivity to serve as your target numbers on press.

Adjust the dosage to obtain optimum press performance.



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