No-Tox® WATER-BASED INKS

(FLEXOGRAPHIC/GRAVURE)

NT23
(12/14)

Product Type: Water reducible, modified acrylic polymer

Printing Method: Flexographic or Gravure

Stocks: All types of FDA acceptable uncoated/coated papers, WOGR, Tyvek(DuPont, USA) polyethylene, polypropylene, acrylic and Saran(Dow Chemical, USA) (PVDC) coated polypropylenes, some cellophanes, Mylar (DuPont Teijin Films, USA) and aluminum foils.

Suggested Uses: Labels, coupons, promotional inserts, and flexible packaging which will be in direct contact with foods, pharmaceuticals, or medical products.

Note: If printed material is to be used in contact with aqueous or fatty foods, thorough end-use testing should be completed in advance. Contact our Technical Services Department for additional information and assistance.

Plates and Rollers: All natural and synthetic rubber plates and rollers, and photopolymer plates.

Additives and Diluents:* Normally supplied at higher than "press-ready" viscosities to allow for diluent and drying adjustment flexibility at press-side.

Recommended Solvents: The following materials and blends are intended only as a guide. Other diluents and/or ratios may be better suited for your specific application. Since water- based systems are sensitive to diluent shock, never add alcohol alone. Blend alcohol with water first and add slowly under agitation.

Normal:	100% Water
Fast:	80% Water 20% Isopropyl Alcohol
Slow:	80% Water 20% Propylene Glycol

Special Handling 1. pH: Due to volatility of amines used, pH may drop during extended runs resulting in an increase in viscosity and poor print quality. Therefore, check and adjust pH to 8.5-9.5 by adding 28% aqueous ammonia or household non-sudsy ammonia. A small amount of ammonia can cause substantial changes in pH. Add only a small amount at a time, mix and recheck pH. Do not add excess.

2. Viscosity: Increases in viscosity can occur during extended runs as a result of evaporation of amines, water or alcohol solvents in ink. First check pH and adjust as described above. Then check viscosity and adjust as necessary with recommended diluents. Note: Use a fountain cover, if possible, to reduce loss of amines, water and solvents.

3. Clean Up: Remove ink from fountain and rinse all parts with warm water. If ink has dried, use a mixture of water with a small amount of ammonia and alcohol. Dry parts thoroughly to prevent corrosion.

FDA Acceptability*: The FDA and USDA sanction all components used in No-Tox inks for direct food contact. See Colorcon's Guarantee for specific regulations.

*Note: FDA acceptability is based on the ink as supplied. Therefore, no other materials should be added, other than those indicated in this technical data sheet, unless specifically recommended by Colorcon.

Colorcon
No-Tox® Products

For more information, contact your Colorcon representative or call 1-800-724-0624
You can also visit our website at http://www.colorcon.com/notox

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