

**No-Tox<sup>®</sup> ALCOHOL-BASED INKS**

(FLEXOGRAPHIC/GRAVURE)

-OR-

(PAD PRINT/SCREEN PRINT)

NT33  
(12/09)

- Product Type:** Specially modified alcohol-soluble food grade polymer.
- Printing Methods:** Available for either flexographic/gravure presses and for pad print/screen print processes.
- General Directions:** An alcohol reducible ink for applications where ultra low toxicity is desirable. Depending on color, can be made completely food grade. Ideal for applications such as synthetic and natural meat casings, as well as for use on all paper stocks.
- Suggested Uses:** Synthetic and natural meat casings, labels, coupons, promotions and other in- package inserts where food grade or ultra low toxicity components are desired.
- Note:** Some colors may not be able to be provided in a completely food grade system. Also, some colors are not recommended for contact with aqueous and fatty foods because of poor water and bleed resistance properties. If use in contact with aqueous or fatty foods is anticipated, thorough end-use testing should be completed before use in production runs. For additional information contact our Technical Service Department.
- Stocks:** All types of FDA and USDA acceptable coated and uncoated paper stocks, vegetable parchment, glassine and many synthetic and natural meat casing materials.
- Plates and Rollers:** *Flexographic/Gravure* - all natural and synthetic rubber plates and rollers including Cyrel<sup>®</sup> and other photopolymer plates are acceptable.  
*Pad Print* - compatible with all types of pad print equipment and elastomeric pads.  
*Silk Screen* - all types of screens and squeegees are acceptable. Mesh size is dependent on print and end-use requirements.
- Color Availability:** Dependent upon specific application. Contact our Technical Services Department for assistance.
- Shelf Life:** Minimum one year in unopened containers.
- Additives and Diluents:** Normally supplied at higher than press ready viscosity to allow for dilution at press side.

**Recommended Solvents:** The following solvents and blends are intended only as a guide. Other diluents and/or ratios may be better suited for your application. For additional assistance, contact our Technical Services Department.

Flexographic/Gravure Diluents:

Fast:

70% Ethyl Alcohol

30% Ethyl Acetate

Normal:

100% Normal Propyl Alcohol

Slow:

70% Normal Propyl Alcohol

30% Glycol Ether\*

\*PM recommended

Pad Print/Screen Print Diluents:

Fast:

100% Normal Butyl Alcohol

Normal:

50% Normal Butyl Alcohol

50% Glycol Ether\*

Slow: Add Propylene Glycol to normal blend above.

\*PM recommended

**FDA Acceptability\*\*:** All components used in No-Tox inks are sanctioned by the FDA and USDA as acceptable for direct food contact.

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