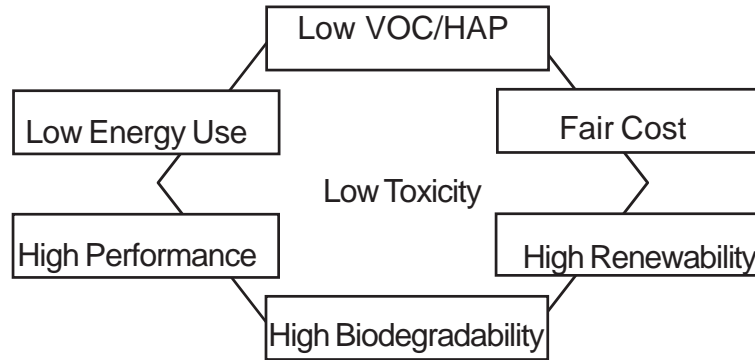


No-Tox[®] Bio-Green Inks

NS29
(9/14)

No-Tox Bio-Green inks and coatings are designed with your sustainability objectives in mind for any substrate or printing process.

Typical Objectives:



Position of Current Inks & Coatings

Many of our inks and coatings are prepared using renewable direct or indirect food additives in water. The tasks listed below are being pursued in parallel to establish the degree of sustainability of our direct or indirect food contact inks:

- Data gathering from suppliers of raw materials.
- Data gathering from companies using our inks in compostable products.

Typical Water-based (WB) & Solvent-based (SB) Inks

Component	SB Ink %	WB Ink %
Pigments	12 - 15	12 - 15
Waxes	2	2
Additives	2	2
Resins	20 - 25	20 - 25
VOC	50 - 60	5 - 10
Water	0	40 - 50

Typical Ink Viscosity vs. Printing Process at 25°C

Printing Process	Ink Viscosity (cP)	Ink Efflux Time (s)	Ink State
Lithographic	10,000 - 50,000	NA	Paste
Letterpress	1,000 - 50,000	NA	Paste
Screen	1,000 - 5,000	NA	Paste/Liquid
Flexographic	50 - 500	Z2: 23 - 60	Liquid
Rotogravure	30 - 200	Z2: SB 17 - 30 Z2: WB 20 - 35	Liquid
Inkjet	3 - 20	Z2: 18	Liquid



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>

©BPSI Holdings LLC, 2014

The information contained in this document is proprietary to Colorcon Inc. and may not be used or disseminated inappropriately.
All trademarks, except where noted, are property of BPSI Holdings, LLC.

The information contained herein, to the best of Colorcon Inc.'s knowledge, is true and accurate. Any recommendations or suggestions of Colorcon Inc. with regard to the products provided by Colorcon Inc. are made without warranty, either implied or expressed, because of the variations in methods, conditions and equipment which may be used in commercially processing the products, and no such warranties are made for the suitability of the products for any applications that you may have disclosed. Colorcon Inc. shall not be liable for loss of profit or for incidental, special or consequential loss or damages. The information contained in this document is not intended as legal advice, and should not be relied upon for that purpose. Any regulatory information provided is intended solely as initial general guidance. Each customer is responsible for determining the regulatory acceptability of the use of the product in their specific application.