

SunChemical®



KOHL & MADDEN

PRODUCT DATA SHEET

Product: Liberty™
Series: Sheetfed Offset Inks

Kohl & Madden 135 West Lake Street Northlake, Illinois 60164 708-562-0550

DESCRIPTION:

Liberty inks represent an unprecedented technological advancement designed to maximize productivity, improve print quality and reduce the total cost of printing. These inks were developed through the combined efforts of Sun Chemical and VOC Free Inc., a specialty research group. *This is a unique conventional sheetfed offset ink system formulated to dry synergistically on paper in minutes instead of hours while offering superb press stability.* No thermal, IR, UV, or EB energy is required.

LIBERTY

PROCESS COLORS:

Products	Formula#	SAP# 5lb cans Vacuum Packed	VOC %	VOC Content
Toned Pro Yellow	NSP3772E2	90085871	0.29%	0.025 lbs/gal
Process Yellow	NSP3772A1	90003218	0.26%	0.022 lbs/gal
Process Magenta	NSP3774A1	90003219	0.19%	0.017 lbs/gal
Process Cyan	NSP3775A1	90003221	0.26%	0.023 lbs/gal
Process Black	NSP3779R4	90003223	0.32%	0.028 lbs/gal
Process Jet Black	NSP3779D5	90041389	0.44%	0.039 lbs/gal



Very low volatile organic content - VOC

Vegetable oil content range: 28% - 35%

TYPICAL CHARACTERISTICS

All K&M process inks are in-line aqueous coat-able and set quickly producing a hard rub resistant ink film. Process sets are ISO 2846-1 color compliant to help simplify meeting all color requirements including GRACoL certification.

OTHER FEATURES:

- Perfects exceptionally well without back cylinder build-up or press marking
- Off-line UV coatable*
- Designed for the most modern high speed sheetfed printing presses
- Laminate-able*
- Laser imprintable*
- Complete Liberty PANTONE blending system
- Fade resistant process and spot colors are available
- Helps reduce spray powder settings
- Can help eliminate the use of work and turn coatings

* Adequate ink drying time must be allowed (minimum 1 – 4 hours) depending on ink coverage and stock type.



SOMETHING EXTRA

Liberty inks come to color very quickly and offer unmatched press color stability. This patented technology allows printers to finish jobs in record time (1-4 hours) depending on the type of stock used. Liberty process inks “work & turn” instantly. This set of inks is also a “Stay Open” product which means that these inks remain fountain fresh for extended periods of time. **Liberty inks offer extremely low VOC’s**, helping this technology become one of the most environmental friendly concepts available.

PRESSROOM CHEMISTRY

Maximum performance can be achieved when Liberty inks are used in combination with Rycoline aqueous coatings and Liberty 132, Green Diamond 567 or 251/AR fountain solutions. All products are chemically matched and technically supported to help minimize make-ready time and reduce running waste. A complete line of blankets, press washes & other pressroom chemicals are also offered.

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