



## DYNACOLOR™ DATA SHEET

### PHOTOCHROMIC TEXTILE SCREEN INK

#### DESCRIPTION

**DYNACOLOR™** photochromic textile screen inks are plastisol inks that are off-white when not exposed to UV radiation, and gain color as they are exposed to UV light. These inks are available in various colors. The color change is "reversible," i.e., the color will fade again upon removal from UV exposure. **DYNACOLOR™** textile screen ink is ideal for T-shirts and other apparel, promotional items, etc. See Color Availability Chart for a complete list of available colors.

#### TYPICAL PROPERTIES

|                                |   |
|--------------------------------|---|
| Viscosity (at 25° C)           | 100-150 poise   |
| Density (Approx.)              | 8.5 lb./gal   |
| Appearance                     | Off-White Paste   |
| Percent Solids (Approx.)       | 100%  |
| Percent Volatiles (Approx.)    | Negligible  |
| Food Contact Compliance Status | N/D   |
| Yield Range (Approx.)          | 5,000-20,000 in <sup>2</sup> /lb. (depending on film thickness) |
| Recommended Substrates         | Textiles  |

#### STORAGE AND HANDLING

Store in a cool, dry place, out of direct exposure to UV and fluorescent light. The material is combustible, and should not be used near open flame. Store Below 90° F. Must be used within three months of purchase. Storage longer than six months not recommended. Consult product MSDS prior to use.

#### SPECIAL CARE INSTRUCTIONS

**DYNACOLOR™** photochromic textile screen plastisol ink changes color with changes in light intensity. They print and cure as easily as other plastisol inks. They will not dry in your screen and do not contain solvents. They may be printed on 100% cotton synthetic/cotton blends. **DYNACOLOR™** inks should be printed on white or light colors. The following suggestions should be kept in mind when running the ink.

- Recommended screen mesh: 130-200 mesh count with 150 preferred.
- Deposit thickness: 1-3 mils
- Curing: 310-320° F (155-160° C) for 30 - 90 seconds. (Inks should not be overcured)

NOTE: Residual color may be a problem with colorless to color inks. This can be controlled by putting down a thinner film, though this may affect color intensity as well. Residual color can also become a problem if too much heat is used in drying the inks.

For further information or assistance, please contact Chromatic Technologies, Inc. at (888) 294-4CTI.

DISCLAIMER: The information and data contained herein are believed to be accurate and reliable; however, it is the user's responsibility to determine suitability of use. Since CTI cannot know all of the uses to which its products may be put, or the conditions of use, it makes no warranties concerning the fitness or suitability of its products for a particular use or purpose. You should thoroughly test any proposed use of our products and independently conclude satisfactory performance in your application. Likewise, if the manner in which our products are used requires government approval or clearance, you must obtain it. CTI warrants only that its products will meet its specifications. There is no warranty of merchantability or fitness for use, nor any other express or implied warranty. The user's exclusive remedy and CTI's sole liability is limited to refund of the purchase price or replacement of any product shown to be otherwise than is warranted. CTI will not be liable for incidental or consequential damages of any kind. Suggestions of uses should not be taken as inducements to infringe any patents.