Fluorescent pigments are powders added to screen inks to produce bright, neon-like colors outside the standard color gamut. Fluorescent colors will also emit color under 'black lights', these colors can be further enhanced using Optical Brighteners. Fluorescent colors add high interest to graphics, but fade quickly when exposed to UV light.

USER INFORMATION

While technical information and advice on the use of this product is provided in good faith, the User bears sole responsibility for selecting the appropriate product for their end-use requirements. See full disclaimer at the end of the document.

MESH	230-305 tpi (90-120 tpcm) monofilament polyester mesh for most applications
PIGMENT LOAD	The Fluorescent powders may be added to most ink series. Depending on ink system, mesh count, adhesion, cure, and desired effect, the recommended percentages by weight: Add up to 30% by weight. Adding Fluorescent powders to inks may result in viscosity, color and printability changes over time. Mix only enough Fluorescent ink to be used the same day.
PRINTING	When inks are to be printed over Fluorescent color, the overprinting ink(s) must be evaluated for intercoat adhesion over the Fluorescent color before proceeding with the production run. To maximize intercoat adhesion over Fluorescent colors, print as late as possible in the print sequence. Fluorescent colors fade with exposure to ultraviolet light. This includes outdoor exposure as well as UV reactor exposure. It is therefore recommended to adjust art so these colors are the final colors printed on any image to limited excessive exposure to UV light.
STORAGE	Store tightly covered at temperatures between 65°-90°F (18°-32°C). Slight color variation should be expected for Fluorescent powders from container to container.

GENERAL INFORMATION

HANDLING	Consult the Material Safety Data Sheet for further instructions and warnings.
WEATHERING / OUTDOOR DURABILITY	Fluorescent colors fade quickly with exposure to UV light and are <u>not</u> rated for Outdoor Durability.

PRODUCT OFFERING

OPTICAL BRIGHTENER	NSICH221 Optical Brightener can be added along with a Fluorescent Pigment to enhance color under 'black light' viewing conditions. Add up to 1% by weight NSICH221 Optical Brightener. NSICH221 Optical Brightener will change the hue of the Fluorescent Pigment.
COLOR CARD MATERIALS	The following is a list of screen printed samples available. *Special Effects Color Card (CARDSPL):* shows Fluorescent pigments mixed in UV clear ink and Fluorescent pigments mixed with Optical Brightener in a UV clear ink.

PACKAGING   All items listed below are inventoried items and available in 1 pound packaging.

Stock Number	Fluorescent Pigments Powders	Stock Number	Fluorescent Pigments Powders
SIPP105	Fluorescent Pink	SIPY915	Fluorescent Yellow
SIPR622	Fluorescent Red	SIPY952	Fluorescent Yellow/Green
SIPO510	Fluorescent Red/Orange	SIPG305	Fluorescent Green
SIPO511	Fluorescent Orange	SIPU711	Fluorescent Blue
SIPO541	Fluorescent Orange/Yellow	SIPR623	Fluorescent Magenta

PACKAGING   Special order: the item listed below is non-inventoried item and may include additional lead time to provide product. This item is available in 1 pound packaging.

Stock Number	Optical Brightener Powder		
NSICH221	Optical Brightener		

Nazdar® stands behind the quality of this product. Nazdar® cannot, however, guarantee the finished results because Nazdar® exercises no control over individual operating conditions and production procedures. While technical information and advice on the use of this product is provided in good faith, the User bears sole responsibility for selecting the appropriate product for their end-use requirements. Users are also responsible for testing to determine that our product will perform as expected during the printed item's entire life-cycle from printing, post-print processing, and shipment to end-use. This product has been specially formulated for screen printing, and it has not been tested for application by any other method. Any liability associated with the use of this product is limited to the value of the product purchased from Nazdar®.

Based on information from our raw material suppliers, these products are formulated to contain less than 0.06% lead.
If exact heavy metal content is required, independent lab analysis is recommended.

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