

Multi-Chromatic pigments are powders added to solvent-based and UV-curable clear screen printing inks and to provide a metallic finish with color-travel variations depending on viewing angle. For example, one of the pigments changes color appearance from subtle turquoise through silver to metallic red hues. Ideally, the pigment is printed over a black surface to achieve the highest effect.

Uses

- Multi-chromatic pigments are used with Nazdar solvent-based and UV-curable inks.

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. Reference the 'Quality Statement' at the end of this document.

User Information

Mesh

Multi-Chromatic pigments range in size from 5-50 microns. 230-305 tpi (90-120 tpcm) mesh can be used. Match the screen mesh count to the particle size; the higher mesh count may produce more blocking of the mesh with longer print runs.

Pigment/Additive Load

Mix up to 10% pigment by weight depending on ink system, mesh count, adhesion, cure, and desired effect. Higher pigment loads may require higher cure levels. Test adhesion properties when determining pigment load.

Multi-chromatic pigments are intended to be used with mixing clear, metallic mixing clear, or overprint clear. Multi-chromatic pigments can be combined with Pearlescent and Interference pigments to create customized effects.

Printing

When inks are to be printed over multi-chromatic colors, the overprinting ink(s) must be evaluated for intercoat adhesion before proceeding with the production run. To maximize intercoat adhesion over multi-chromatic colors, it is recommended that multi-chromatic colors be printed as late as possible in the print sequence.

Storage

Store tightly closed in dry area.

General Information

Ink Handling

Inhalation is the primary route of exposure and irritation with multi-chromatic pigments. Therefore, it is recommended that all personnel mixing and handling these products minimize the creation of dust. If pigment is inhaled, seek fresh air and consult a doctor if feeling unwell.

Consult the applicable [Safety Data Sheet](#) (SDS / MSDS) for further instructions and warnings.

For assistance on a wide range of important regulatory issues, consult the following Regulatory Compliance Department link at <http://www.nazdar.com> or contact Nazdar Ink Technologies - World Headquarters (see contact listing at the end of this document).

Color Card Materials

Special Effects Color Card (CARDSPL): provides screens printed samples and visual reference of the multi-chromatic pigments over a black background.

Packaging / Availability

Contact your Nazdar distributor for product availability and offering.

Standard Items

Standard items listed below are inventoried in 1 pound containers.

Multi Chromatic Pigments

Item Number	Color
SIPI532	T10-01 Viola
SIPI533	T10-02 Arctic Fire

Nazdar Quality Statement

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.

Screen Ink Additive

Nazdar Multi-Chromatic Specialty Pigments

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.

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