

# Nazdar Multi-Chromatic Specialty Pigments

**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.**

## Benefit(s) / Use(s)

Pearlescent, Interference, and Multi-Chromatic pigments can be combined to create customized effects.

## Cautions

Too much Multi-Chromatic Pigments can lead to curing issues, reduces the ink flow, and poor transfer.

## Additive Usage

Special Effect pigments are used with Nazdar solvent-based and UV-curable clear and transparent inks.

These pigments are intended to be used with mixing clear, metallic mixing clear, overprint clear, or highly transparent colors.

*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.*

## Pigment Load

Most screen inks provide specific information on the use of these pigments on its specific Technical Data Sheet. The following is a general recommendation at to a starting point.

Add up to the following amount to the ink by weight: **10%**

Example for additives: Ink at 100g with 8% of an additive is calculated as: 100g ink + 8g additive = 108g total

## Mesh

These pigments range in size from 10-60 microns; most particles are mid-range size. 230-305 tpi mesh (90 – 120 tpcm) can be used. Match the mesh count to the particle size of the pigment; higher mesh counts may produce more blocking of the mesh with longer print runs.

## Inter-Printable

When inks are to be printed over these effect colors, the overprinting ink(s) must be evaluated for intercoat adhesion before proceeding with the production run. To maximize intercoat adhesion over interference colors, Interference colors should be printed as late as possible in the print sequence.

## Additives

Any additives should be thoroughly mixed before each use. Prior to production, test any additive adjustment to the ink. Inks containing additives should not be mixed with other inks.

## General Information

### Handling

Refer to the SDS for recommendations on handling.

Inhalation is the primary route of exposure and irritation with powder 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).

### Specific Storage / Shelf Life Info

Store tightly closed in a dry area. These pigments items are useable for a period of at least **12 months** from the date of manufacture. To obtain the shelf life for special inks and additives, contact Nazdar Customer Service or Nazdar Technical Service - see contact listing at the end of this document. Contact Nazdar Technical Service at [InkAnswers@nazdar.com](mailto:InkAnswers@nazdar.com), for any questions.

# Nazdar Multi-Chromatic Specialty Pigments

## Packaging / Availability

Contact your Nazdar distributor for product availability and offering.

### Standard Colors

Standard items listed below are inventoried in 1 pound containers.

Item Type	Item Number	Item (or Color) Description
Additives	SIPI532	T10-01 Viola
Additives	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. 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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