Phosphorescent, also referred to as ‘Glow in the Dark’ or ‘Luminescent’, powders are pigments that absorb light and slowly emit a glow over time. The glow is best seen in darkness or under black-light conditions. Depending on the pigment and pigment load in the ink, the glow may last a few minutes or several hours. Nazdar Phosphorescent Pigments are packaged in 1-pound containers and can be used in various UV-curable and solvent-based ink series.

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**
195-280 tpi (77-110 tpcm) with a mesh opening of 50-80 um monofilament polyester mesh for most applications.

**Pigment/Additive Load**
Add up to 50% by weight to a clear ink. Phosphorescent powders may be added to most solvent-based and UV ink series.

**Powder Glow Color & Duration**
Phosphorescent powders are available in a range of colors. The following table outlines each product’s glow color once light-charged duration. The table also outlines the general glow properties per powder as ‘Short’ = several minutes to ‘Long’ = several hours.

<table>
<thead>
<tr>
<th>Item Number</th>
<th>Glow Color</th>
<th>Glow Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>SIPI466</td>
<td>Green</td>
<td>Short</td>
</tr>
<tr>
<td>SIPI479</td>
<td>Blue</td>
<td>Long</td>
</tr>
<tr>
<td>SIPI563</td>
<td>Green</td>
<td>Long</td>
</tr>
</tbody>
</table>

**Printing**
When inks are to be printed over a phosphorescent color, the overprinting ink(s) must be evaluated for intercoat adhesion before proceeding with the production run. To maximize intercoat adhesion, phosphorescent color should be printed as late as possible in the print sequence.

Pigments settle in the container; prior to printing, thoroughly mix the ink.

Pretest to determine optimum printing performance for a particular set of ink, substrate, screen, press, and curing variables/conditions.

**Storage**
Store tightly covered at a temperature between 65°C-90°F (18°C-32°C).

**General Information**

**Ink Handling**
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): shows various Phosphorescent Powders mixed with clear and printed 1-layer.

**Packaging / Availability**
Contact your Nazdar distributor for product availability and offering.

**Standard Items**
Standard items listed below are inventoried in 1 pound containers.

Phosphorescent Powders

<table>
<thead>
<tr>
<th>Item Number</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>SIPI466</td>
<td>Phosphorescent Powder 6SSULB</td>
</tr>
<tr>
<td>SIPI479</td>
<td>Lumnva BG 300M Phos PG</td>
</tr>
<tr>
<td>SIPI563</td>
<td>Luminova G300M Pho Pig</td>
</tr>
</tbody>
</table>

**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
Screen Ink Additive

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®.

Nazdar Ink Technologies
Offices Worldwide

**Nazdar Ink Technologies** - World Headquarters
8501 Hedge Lane Terrace
Shawnee, KS 66227-3290 USA
Toll Free US: 866-340-3579
Tel: +1 913-422-1888
Fax: +1 913-422-2296
E-mail: NazdarOrders@nazdar.com
Technical Support E-mail: InkAnswers@nazdar.com

**Nazdar Limited** – EMEA
Barton Road, Heaton Mersey
Stockport, England SK4 3EG
Tel: + (44) 0-161-442-2111
Fax: + (44) 0-161-442-2001
UK Technical Service E-mail: technicalservicesuk@nazdar.com

**Nazdar** – Asia Pacific
11 Changi North Street 1 #03-03/04
Singapore 498823
Tel: +65-63854611
Fax: +65-65433690
E-mail: aspac@nazdar.com