

MEMO

Date: August 2, 2019

Subject: Discontinuation of 9600 Series Screen Ink

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Nazdar Ink Technologies announced earlier this year that 9600 Series Solvent Screen Ink will no longer be manufactured, due to a change in raw material availability. Enough raw material was expected to be available to manufacture 9600 Series through the end of the year; however, unexpected large orders of 9600 items have depleted Nazdar's raw material. Therefore, Nazdar does not have the ability to produce new 9600 Series ink, only to sell product that remains in inventory.

Nazdar Recommends 8400 Series as the Suggested Replacement

Nazdar's Technical Service group has performed extensive evaluations for the purpose of comparing 8400 Series to 9600 Series to make replacement recommendations. The overall findings indicate 8400 Series performs good or better in all areas evaluated.

The 9600 Series is used in a wide range of applications, including its intended use for printing on untreated polyester films for nameplate and insert-mold applications. 8400 Series Solvent Screen Ink has been used in nameplate and insert-mold applications for over 17 years.

Comparison: 8400 Series to 9600 Series

Drying & Curing/Cross-linking

- 9600 Series dries to the touch the same as the 8400 Series; however, 9600 cures/cross-links faster than the 8400 Series. Questions concerning drying verses curing/cross-linking should be directed to Nazdar's Technical Service at InkAnswers@nazdar.com.

Inter-Printing

- Testing indicates that 8400 Series and 9600 Series can be inter-printed. The user is required to test the full performance of the final inter-print result.

Additives

- 8400 Series inks can be fully cured/cross-linked with 5% or 10% of either the NB72 Catalyst or NB80 Adhesion Promoter.
 - Adding 10% of either NB72 or NB80 to 8400 Series will increase the gloss of the ink by 10 Gus (gloss units).
 - A minimum 5 hours of post-cure are needed for both the 8400 and 9600 with 5% and 10% NB80 is needed to achieved 100 double rubs with MEK. Depending on the percentage of additive and time, there may be differences seen between the inks within the 2-5 hour post-curing range.
 - Pot-life of both inks are the same.
- 9630 Thinner, 9631 Retarder & 9637 Screen Wash
 - The 9630, 9631 and 9637 remain available and under the existing item number and description. These items may change item number in the future, but at this time they remain the same and available to order.

Inter-Mixing

- Nazdar does not recommend inter-mixing of the 8400 Series and 9600 Series as a general rule; the chemistries are different and may not provide the expected processing and performance results required for specific applications. Nazdar understands that there may be extenuating situations then lead to inter-mixing the two ink series. Internal testing indicates that the inks may be inter-mixed in a ratio up to 25%:75% (with either ink). Levels beyond this level show significant, adverse effects with regards to processing and performance. If inter-mixing is required, the user is required to test the full performance of the final inter-mixed ink.

Colors

- 8400 Series includes a full set of halogen free colors.
- 8400 Series includes a full set of toners, enabling color matching.
- 8400 Series lacks the full set of transparent colors that 9600 Series has for printing on reflective materials. Reflective materials are likely vinyl based; GV Series is a suggested replacement for this application, as it contains a full set of transparent colors.
- 8400 Series does not have a full halftone set of colors (no Magenta or Cyan), like the 9600 Series. However, halftone colors have a very low use in the market. If you require an 8400 Series halftone Yellow and/or Black, please contact Nazdar's Technical Service at InkAnswers@nazdar.com.

Weathering

- Initial (1-year simulated) QUV accelerated weather testing indicates that 8400 Series inks retain color and gloss better than 9600 Series. It is expected that the ink would qualify 2-year exterior durability. Nazdar continues to verify the extent of the ink's weathering.

Technical Data Sheets (TDS)

- 8400 Series ([click here for the 8400 TDS](#))
- GV Series ([click here for the GV TDS](#))

Nazdar recommends end-users qualify 8400 Series as a viable alternative for print applications as soon as possible. Nazdar Technical Service is available to support customers throughout the conversion process, helping to determine the best ink and additive alternatives for users' print processes. Technical representatives are available to assist and answer questions at InkAnswers@nazdar.com.