

Technical Data Sheet

KS-383

Kustom Kure Photoinitiated UV Extender Vehicle for Paper



Product Description

KS-383 is recommended as an all-in-one extender vehicle for UV-curable lithographic inks where high performance, excellent litho properties and fast cure are desired. Minimal* or no photoinitiator is required when using KS-383, as a unique photoinitiator blend is already incorporated into the vehicle. Typical applications include paper and paperboard substrates. For additional information regarding formulary assistance and applications, please contact your KUSTOM SERVICES, INC. representative.

Performance Characteristics

- Excellent cure response
- Excellent litho properties
- Excellent printability
- Little or no photoinitiator required when formulating inks

Physical Properties

- Viscosity 500 – 800 Poise
- Tack 9 – 12 @ 400 rpm/1 minute
- Specific Gravity 1.16
- Solids 100%

Suggested Starting Ink Formulary

Please refer to the SUGGESTED INK FORMULARY bulletin for starting ink formulations. These are intended as starting formulae only. Substrate, press and other variables must be addressed by the formulator for each application.

Storage and Handling Information

Care should be taken not to expose radiation curable products to temperatures exceeding 100°F for prolonged periods of time or to direct sunlight. Storage must be in a cool, shaded, well-ventilated and dry area. To do otherwise might cause uncontrollable polymerization of the product with generation of heat. Do not store this material under an oxygen-free atmosphere. This material should not be stored for more than six (6) months.

Certain precautions should be taken when handling this product. Please refer to the Material Data Safety Sheet (MSDS) for further details. This product contains materials that may cause moderate skin injury (reddening and swelling) and/or sensitization. Since irritation may not occur immediately, contact can go unnoticed. Consult the MSDS for appropriate equipment prior to using this or any other materials referred to in this Technical Data Sheet.

*(High pigment loads and certain pigments may require additional photoinitiator. Always check ink for proper cure response.)

FOR YOUR PROTECTION:

The information and recommendations in this publication are, to the best of our knowledge, reliable. Suggestions made concerning uses or applications are only the opinion of KUSTOM SERVICES, INC., and users should make their own tests to determine the suitability of this product for their own particular purposes. However, because of numerous factors affecting results, KUSTOM SERVICES, INC. makes no warranty of any kind, expressed or implied, including those of merchantability and fitness for particular purpose, other than that the material conforms to its applicable current Standard Specifications. Standard Specifications, although current at the time of publication, are subject to change without notice. Please refer to the MSDS for additional information. DATE REVISED: 11/01/2018