

Technical Data Sheet

KS-224

All-In-One Photoinitiator Blend



Product Description

KS-224 is a liquid photoinitiator blend, effective for flexo, litho, screen, especially recommended for darker colors, *whites and thicker films. For additional information regarding formulary assistance and applications, please contact your KUSTOM SERVICES, INC. representative.

Performance Characteristics

- Excellent cure response especially with darker colors
- For use with all standard organic and select carbon black pigments and white*
- Low viscosity liquid – easy to blend into ink system
- Blend of selected photoinitiators with broad cure response

Physical Properties

- Viscosity 20 – 35 Poise (TA Rheometer)
- Specific Gravity 1.10
- Solids > 99%
- Appearance Liquid

Suggested Starting Ink Formulary

KS-224 can be used at a concentration of 1-8% by weight of the total formula. KS-224 may also be used in combination with other photoinitiators. 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 Safety Data 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 percentages in a white ink may affect whiteness, always test first.

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 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 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.

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