



Plasticizers & Coalescents

K-FLEX® 500 Product Description

Emerald® K-FLEX 500 is a blend of dipropylene glycol dibenzoate and diethylene glycol dibenzoate in a ratio of about one to one by weight. K-FLEX 500 was created to take advantage of the excellent performance of diethylene glycol dibenzoate but with the added advantage of the better handling characteristics imparted by dipropylene glycol dibenzoate. Like K-FLEX DP, K-FLEX 500 is a polar plasticizer that is a high solvator for PVC applications. K-FLEX 500 is also compatible with polar polymers such as polyvinyl acetate.

K-FLEX 500 is useful in a wide variety of applications:

- Latex adhesives, as a general purpose plasticizer
• Latex caulks and sealants
• Coatings
• Plastisols, as an excellent solvator for use in such applications as resilient flooring

This traditional dibenzoate blend remains a standard in the industry.

Specifications

Table with 2 columns: Specification Name and Value. Rows include Acidity, Assay, and Color.

Typical Properties

Table with 2 columns: Property Name and Value. Rows include Assay, Boiling point, Color, Density, Flash point, Freezing point, Glass point, Moisture content, Refractive index, Solubility, Specific gravity, Surface tension, Vapor pressure, Viscosity, and VOC.

## Regulatory Information

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### FDA CFR Listings:

- 21 CFR 175.105 – Adhesives (PART 175 – INDIRECT FOOD ADDITIVES: ADHESIVES AND COMPONENTS OF COATINGS, Subpart B – Substances for Use Only as Components of Adhesives)
- 21 CFR 176.170 – Components of paper and paperboard in contact with aqueous and fatty foods
- 21 CFR 176.180 – Components of paper and paperboard in contact with dry food

Emerald Performance Materials does not warrant that these product(s) are suitable under applicable food additive / food contact regulations of any potential use. The responsibility for determining the overall compliance with applicable food additive / food contact laws and regulations is with the company manufacturing the final consumer product and/or the person placing the products described herein in contact with food. This information is provided in good faith and is believed accurate as of the date of this letter. No warranty is subsequently expressed or implied. Liability is expressly disclaimed.

### Global Inventories:

K-FLEX® coalescents and plasticizers are included on or exempted from many global inventories. Please reference the product safety data sheet (SDS) for current global inventory status and other regulatory information. Current SDS's can be found on our website at [www.emeraldkalama.com](http://www.emeraldkalama.com) or can be requested from [product.compliance@emeraldmaterials.com](mailto:product.compliance@emeraldmaterials.com).

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*Emerald Kalama Chemical is a world-scale producer of a variety of toluene oxidation products, with production facilities in the US and Europe. Products include benzoic acid, various benzoate and dibenzoate ester, alcohol and aldehyde derivatives for food preservatives, flavor and fragrance ingredients, plasticizers and industrial applications. Emerald Kalama Chemical is a division of Emerald Performance Materials, a manufacturer of additives and polymers which make your products last longer, look, taste, smell, or perform better. The company has three business units, six operations and approximately 700 employees. For more information, please contact us.*

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