

Kalama® VITROFLEX® A99 Product Description

VITROFLEX A99 is an experimental grade of benzoate plasticizer tailored for the A-side of 2K polysulfide sealants. It has excellent compatibility with polysulfide polymers and provides a very low odor profile. The consistently low impurity profile of VITROFLEX A99 enables its use in regions and applications with more stringent requirements.

Specifications

Acidity, as benzoic acid, maximum, %	0.1
Assay, as benzoate ester, minimum, %	98.0
Impurities, individual maximum %	0.999
Color, APHA, maximum	100
Hydroxyl number, maximum, mg KOH/g	2
Moisture content, maximum, %	0.1

Typical Properties

Assay, as benzoate ester, %.....	99.7
Acidity, as benzoic acid, %.....	0.02
Freeze point, °C.....	<-20
Hydroxyl number, mg KOH/g	0.7
Moisture content, %	0.04
Specific gravity, 25/25°C	1.1475
Viscosity, Brookfield RVT, 20 RPMs at 25°C, cps and mPa·s	95
VOC, ASTM D2369, %.....	3.2

Regulatory Information

FDA Coverage:

- 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)

Global Inventories:

Kalama[®] VITROFLEX[®] and K-FLEX[®] plasticisers 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 or can be requested from product.compliance@emeraldmaterials.com.

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Emerald Kalama Chemical is a world-scale producer of a variety of benzoic acid, benzaldehyde, and derivatives, with production facilities in the U.S. and Europe. Products include benzoic acid, various benzoate and dibenzoate ester, alcohol and aldehyde derivatives for food and personal care 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 that make products last longer, look, taste, smell, or perform better. The company has two business units, six operations and approximately 700 employees. For more information, please contact us.

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