

Technical Data Sheet

Eastman™ DB Solvent, Stabilized

Applications

- Architectural coatings
- Auto oem
- Auto refinish
- Brake fluids
- Commercial printing inks
- General industrial coatings
- Marine
- Paints & coatings
- Textile
- Wood coatings

Key Attributes

- Efficient coalescent
- Good coupling efficiency
- Good solvent activity
- High blush resistance
- High dilution ratio
- Inert - Food use with limitations
- Inert - Nonfood use
- LVP-VOC
- Low surface tension
- Low volatility/Low vapor pressure
- Miscible with water and most organic liquids
- REACH compliant
- Readily biodegradable
- Slow evaporation rate

Product Description

Eastman™ DB Solvent, Stabilized is a high boiling glycol ether used in baking enamels to promote increased flow-out and leveling in paint films. It is also used in printing inks when very slow drying is desired. In textile dyeing, it promotes rapid, uniform penetration of dyes. This solvent is used as a coalescent in architectural paints, industrial latex paints, and as an organosol dispersant. Eastman™ DB Solvent, Stabilized contains BHT (butylated hydroxytoluene) antioxidant.

The chemical substances for this product are listed as Inert Ingredients Permitted for Use in Nonfood Use Pesticide Products, and in Food Use Pesticide Products with limitations, under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA). For details on specific permissions, [click here](#).

Typical Properties

Property	Test Method	Typical Value, Units
General		
Acidity as Acetic Acid		0.01 wt % max.
Assay		99.0 wt % min.
Autoignition Temperature	D 2155	204 °C (400 °F)
Boiling Point @ 760 mm Hg		
Dry Point		235 °C (455 °F)
Initial		230 °C (441 °F)
Color		
Pt-Co		10 max.
Dilution Ratio		
Toluene		3.9
VMP Naphtha		1.9
Empirical Formula		C ₈ H ₁₈ O ₃
Evaporation Rate (n-butyl acetate = 1)		0.003
Fire Point		117 °C (242 °F)

Flammability Limits in Air, % by Volume	
Lower @ 135°C	0.85 Vol %
Upper @ 199°C	24.6 Vol %
Flash Point	
Cleveland Open Cup	111 °C (232 °F)
Freezing Point	-76 °C (-105 °F)
Molecular Weight	162.23
Refractive Index	
@ 20°C	1.4316
Solubility	
in Water, @ 20°C	Complete
Water in, @ 20°C	Complete
Specific Gravity	
@ 20°C/20°C	0.955
Vapor Pressure	
@ 20°C	0.02 mm Hg
Wt/Vol	
@ 20°C	0.96 kg/L (7.94 lb/gal)

Comments

Properties reported here are typical of average lots. Eastman makes no representation that the material in any particular shipment will conform exactly to the values given.

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