

Technical Data Sheet

Eastman™ EB Acetate

Applications

- Auto oem
- Auto refinish
- Commerical printing inks
- General industrial coatings
- Paints & coatings

Key Attributes

- Efficient coalescent
- Excellent solvent activity
- High blush resistance
- High electrical resistance
- Inert - Nonfood use
- Readily biodegradable
- Slow evaporation rate
- Urethane grade

Product Description

Eastman™ EB Acetate (Ethylene Glycol Monobutyl Ether Acetate) is a high boiling glycol ether-ester. Its slow evaporation rate provides excellent flow and leveling in high-bake coatings as well as air-dry systems such as epoxy coatings. It has limited water miscibility. It is supplied as a urethane grade solvent.

The chemical substances for this product are listed as Inert Ingredients Permitted for Use in Nonfood Use Pesticide Products 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	340 °C (645 °F)
Azeotropes		
BP		98.8 °C (209.8 °F)
Wt % Water		71.9 wt %
Boiling Point @ 760 mm Hg		
Dry Point		194 °C (381 °F)
Initial		186 °C (367 °F)
Blush Resistance		
@ 80°F (26.7°C)		95 % RH
Color		
Pt-Co		15 max.
Critical Pressure		24.5 ATM
Critical Temperature		361.7 °C
Critical Volume		539.1 ml/g·mol
Dilution Ratio		
Toluene		1.8
VMP Naphtha		1.2
Electrical Resistance		>20 Megohms
Empirical Formula		C ₈ H ₁₆ O ₃
Evaporation Rate		

(ether = 1)	403.4
(n-butyl acetate = 1)	0.03
Expansion Coefficient, per °C @ 20°C	0.00104
Explosive Limits in Air	
Lower @ 93°C	0.88 Vol %
Upper @ 135°C	8.54 Vol %
Fire Point	82 °C (180 °F)
Flash Point	
Tag Closed Cup	71 °C (160 °F)
Tag Open Cup	81 °C (177 °F)
Freezing Point	-64 °C (-83 °F)
Hansen Solubility Parameters	
Hydrogen Bonding	4.3
Nonpolar	7.5
Polar	2.2
Total	8.9
Heat of Combustion	-1044.8 kcal/g·mol
Heat of Vaporization	11371 cal/g·mol
Liquid Heat Capacity @ 25°C	75 cal/(g·mol)(°C)
Liquid Viscosity @ 20°C	1.8 cP (mPa·s)
Molecular Weight	160.21
Nitrocellulose Solubility	Active
Refractive Index @ 20°C	1.4142
Specific Gravity @ 20°C/20°C	0.941
Solubility	
in Water, @ 20°C	1.1 wt %
Water in, @ 20°C	1.6 wt %
Surface Tension @ 20°C	30.3 dynes/cm
Vapor Density (air = 1)	5.5
Vapor Pressure	
@ 20°C	0.29 mm Hg
@ 55°C	0.77 kPa
Wt/Vol @ 20°C	0.94 kg/L (7.84 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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