EASTMAN

Technical Data Sheet

Eastman™ EEH Solvent

Applications

- Adhesives/sealants-b&c
- Architectural coatings
- Auto oem
- Auto refinish
- Exterior architectural coatings
- General industrial coatings
- Industrial maintenance
- Interior flat architectural coatings
- Interior non-flat architectural coatings
- Intermediates
- Marine
- Paints & coatings
- Protective coatings
- Wood coatings

Key Attributes

- Efficient coalescent
- LVP-VOC
- Low surface tension
- Low water solubility
- Non-HAP
- Non-SARA
- REACH compliant
- Readily biodegradable
- Slow evaporation rate

Product Description

Eastman™ EEH Solvent (Ethylene Glycol 2-Ethylhexyl Ether) is primarily used in performance specialty coatings applications. It offers an excellent balance of performance properties when used as a coalescent in architectural and industrial maintenance coatings. Eastman™ EEH Solvent has low water miscibility, low surface tension, good hydrolytic stability, and high electrical resistance. In electrodeposition primers, Eastman™ EEH Solvent reduces volatilization from dip tanks and provides good flow and leveling of the coating in the baking oven. It is not a HAP or listed on SARA 313.

*Modeled using The Estimation Programs Interface (EPI) Suite™ (EPA), BIOWIN v4.10 module

Typical Properties

Property	Typical Value, Units
General	
Acidity	
as Acetic Acid	0.01 wt % max.
Assay	Mixture
Autoignition Temperature	227 °C (440 °F)
Boiling Point @ 760 mm Hg	
Dry Point	275 °C (527 °F)
Initial	226 °C (435 °F)
Color	
Pt-Co	10 max.
Composition	
Diethylene glycol 2-ethylhexyl ether	15 wt %
Ethylene glycol 2-ethylhexyl ether	85 wt %
Electrical Resistance	1.5 Megohms
Evaporation Rate	
(ether = 1)	4034
(n-butyl acetate = 1)	0.003
Expansion Coefficient, per °C	

@ 20°C	0.00093
Explosive Limits	
Lower, in air @ 121°C	0.61 Vol %
Upper, in air @ 174°C	8.02 Vol %
Flash Point	
Setaflash Closed Cup	106 °C (222.8 °F)
Freezing Point	<-100 °C (<-148 °F)
Hansen Solubility Parameters	
Hydrogen Bonding	2.5
Nonpolar	7.8
Polar	2
Total	8.4
Liquid Viscosity	
@ 25°C	7 cP (mPa·s)
Nitrocellulose Solubility	Active
Refractive Index	
@ 20°C	1.4370
Solubility	
in Water, @ 20°C	<0.2 wt %
Water in, @ 20°C	5.1 wt %
Specific Gravity	
@ 20°C/20°C	0.892
Surface Tension	
@ 20°C	27.6 dynes/cm
Vapor Pressure	
@ 20°C	0.003 kPa (0.02 mm Hg)
@ 55°C	0.06 kPa
Water	0.1 wt % max.
Wt/Vol	
@ 20°C	0.89 kg/L (7.42 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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