



Technical Data Sheet Eastman Texanol™ Ester Alcohol

Applications

- Adhesives/sealants-b&c
- Architectural coatings
- Auto refinish
- Automotive
- Commerical printing inks
- Exterior architectural coatings
- General industrial coatings
- Interior flat architectural coatings
- Interior non-flat architectural coatings
- Lithographic printing inks
- Paints & coatings
- Polymer modification
- · Process additives
- Protective coatings
- · Road markings
- Wood coatings

Key Attributes

- Ease of addition to latex paints
- Efficient coalescent
- Excellent hydrolytic stability
- Inert Nonfood use
- LVP-VOC
- Low flammability rating
- Low freezing point
- Low water solubility
- Non-HAP
- Non-SARA
- Not classified as a VOC per China State Environmental Protection Agency
- Not classified as a VOC per European Union Directive 2004/42/EC
- Not classified as a VOC per European Union Solvent Emissions Directive
- REACH compliant
- · Readily biodegradable
- Recognized by China with "Green Label II" certificate (low toxicity, non-VOC and environmental friendly biodegradable product)

Product Description

Eastman Texanol™ ester alcohol is the premier coalescent for latex paints. It performs well in all types of latex paints, in a variety of weather conditions, and over substrates with different levels of porosity. Eastman Texanol™ ester alcohol provides the highest level of film integrity at low levels of coalescent, enhancing the performance properties of the paint including low temperature coalescence, touch-up, scrub resistance, washability, color development, thermal flexibility, and resistance to mudcracking. Eastman Texanol™; ester alcohol also enhances thickening efficiency when used with associative thickeners.

Eastman Texanol $^{\text{TM}}$ ester alcohol also works well in a variety of other applications. It is an ideal choice as a retarder solvent for use in coil coatings and high-bake enamels. Its unique balance of properties also makes it useful for a variety of chemical specialty applications such as ore flotation / frothing, oil-drilling muds, wood preservative carriers, and floor polishes.

With a boiling point of 254°C, (vapor pressure 0.01 kPa @ 20°C), Eastman Texanol ester alcohol is not classified as a VOC according to European Union Decopaint Directive 2004/42/EC (commonly referred to as the Decopaint Directive); European Union Solvent Emissions Directive); and the China State Environmental Protection agency. Due to its non-VOC status, low toxicity, and biodegradability, Eastman Texanol™ ester alcohol has been awarded Green Label Type II certificate in China by the China Environmental United Certification Co. Ltd. (CEC), a whollyowned subsidiary of the State Environmental Protection Administration of China (SEPA).

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	Typical Value, Units
General	

as Acetic Acid Assay Assay Assay Autoignition Temperature Boiling Point ⊕ 760 mm tg 254 °C (7489.2 °F) Color PP-Co 10 max. Critical Pressure 119.9 ATM Critical Temperature 391.9 °C Critical Temperature 391.9 °C Critical Temperature 391.9 °C Critical Temperature 718.6 milyg-mol Electrical Resistance 220 Megohms Empirical Formula C1242403 Evaporation Rate (ether = 1) (n-buty acetar = 1) (n-buty acetar = 1) Color € 20°C ∅ 20°C ∅ 20°C 0.001 Flash Point Cleveland Open Cup 120 °C (248 °F) Freezing Point -50 °C (-58 °F) Hansen Solubility Parameters Hydrogen Bonding 4.8 Nonpolar 7.4 Polar 3 Total 9.3 Total 9.3 Total Heat of Combustion 1509 Cally mol Liquid Heat Capacity ⊕ 25°C 110.74 cal/(g*mol)(°C) Liquid Heat Capacity ⊕ 20°C 121.35 cP (mPa·s) Molecular Weight Active Refractive Index ⊕ 20°C 1.4423 Solubility In Water, ⊕ 20°C 3.0 % Specific Gravity ⊕ 20°C 28.9 dynes/cm Vapor Density (air = 1) 7.5 Vapor Pressure ⊕ 20°C 0.0013 kPa (0.01 mm Hg) ⊕ 20°C 0.003 kPa Wt/Vol ⊕ 20°C 0.003 kPa Wt/Vol ⊕ 20°C 0.003 kPa Wt/Vol ⊕ 20°C 0.00173 kPa 0.003 kPa Wt/Vol ⊕ 20°C 0.003 kPa Wt/Vol	Acidity	
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Boiling Point	Assay	98.5 wt % min.
© 750 mm Hg	Autoignition Temperature	393 °C (739 °F)
Color	Boiling Point	
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Heat of Vaporization 15196 cal/g·mol Liquid Heat Capacity	Heat of Combustion	-1607.7 kcal/g·mol
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@ 20°C	Liquid Viscosity	
Nitrocellulose Solubility Active Refractive Index		13.5 cP (mPa⋅s)
Nitrocellulose Solubility Active Refractive Index	Molecular Weight	216.3
Refractive Index 0 20°C 1.4423 Solubility 0.1 % in Water, @ 20°C 3.0 % Specific Gravity 0.95 Surface Tension 20°C @ 20°C 28.9 dynes/cm Vapor Density 7.5 Vapor Pressure 0.0013 kPa (0.01 mm Hg) @ 25°C 0.00173 kPa @ 55°C 0.033 kPa	Nitrocellulose Solubility	Active
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Specific Gravity 0.95 @ 20°C/20°C 0.95 Surface Tension 28.9 dynes/cm Vapor Density 7.5 (air = 1) 7.5 Vapor Pressure 0.0013 kPa (0.01 mm Hg) @ 25°C 0.00173 kPa @ 55°C 0.033 kPa Wt/Vol	Water in, @ 20°C	3.0 %
Surface Tension @ 20°C		
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Vapor Density 7.5 Vapor Pressure 0.0013 kPa (0.01 mm Hg) @ 20°C 0.00173 kPa @ 25°C 0.00173 kPa @ 55°C 0.033 kPa	Surface Tension	
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Vapor Pressure 0.0013 kPa (0.01 mm Hg) @ 20°C 0.00173 kPa @ 55°C 0.033 kPa Wt/Vol 0.051 k // (7.0 k // x /		7.5
@ 20°C		
@ 25°C		0.0013 kPa (0.01 mm Hg)
Wt/Vol		
	@ 55°C	0.033 kPa
@ 20°C 0.95 kg/L (7.9 lb/gal)	Wt/Vol	
	@ 20°C	0.95 kg/L (7.9 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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