

## Texanol

Technical DataSheet | Supplied by Eastman

Eastman Texanol™ Ester Alcohol by Eastman is a non-VOC, non-HAP, non-SARA, low toxicity, readily bio-degradable premier coalescent and retarder solvent. It can enhance the performance properties of the paint such as low temperature coalescence, touch-up, scrub resistance, washability, color development, thermal flexibility and resistance to mud cracking. It provides the highest level of film integrity at low levels of coalescent and enhanced thickening efficiency when used with associative thickeners. It exhibits excellent hydrolytic stability, low flammability rating, low freezing point and low water solubility. It performs well in all types of latex paints, in a variety of weather conditions, and over substrates with different levels of porosity. It has unique balance of properties which makes it useful for a variety of chemical specialty applications such as ore flotation / frothing, oil-drilling muds, wood preservative carriers and floor polishes. It is recommended for use in coil coatings and high-bake enamels. It is designed for use in auto refinish, automotive, exterior, interior- & non-flat architectural-, protective- & wood coatings and road markings. It can also be used in commercial- & general industrial lithographic printing inks and letter press- & oil-based inks. It 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. Eastman Texanol™ Ester Alcohol has been awarded Green Label Type II certificate in China by the China Environmental United Certification Co. Ltd. (CEC), a wholly-owned subsidiary of the State Environmental Protection Administration of China (SEPA). It is REACH compliant grade.

<b>Product Type</b>	Solvents > Alcohols Film Forming / Coalescing Agents
<b>Chemical Composition</b>	Ester alcohol
<b>CAS Number</b>	25265-77-4
<b>Physical Form</b>	Liquid
<b>Product Status</b>	COMMERCIAL
<b>Applications/ Recommended for</b>	Coatings Inks Inks > Lithographic and Offset Inks Inks > Letterpress / Newspaper Coatings Markets > Automotive OEM > Electrodeposition (E-coating) Coatings Markets > Automotive refinishing Coatings Markets > Coil Coatings Coatings Markets > General Industrial /Maintenance Coatings Markets > Wood & Furniture Coatings Coatings Markets > Transportation > Road marking Coatings Markets > Marine /Anti-Corrosive / Protective Coatings Markets > Flooring
<b>Labels/Agency Rating</b>	REACH, European Union Decopaint Directive 2004/42/EC, European Union Solvent Emissions Directive, China State Environmental Protection agency, Green Label II" certificate

## Eastman Texanol™ Ester Alcohol Properties

Property	Value & Unit	Test Condition	Test Method
Acid Value	< 0.05 %	By Weight. As Acetic Acid	
Assay	> 98.5 %	By Weight	
Specific Gravity	0.95	At 20°C	
Auto-ignition Temperature	393 °C		
Boiling Point	254 °C	At 760 mm Hg	
Color, APHA	< 10		
Freezing Point	-50 °C		
Critical Pressure	19.9 atm		
Flash Point	120 °C	Cleveland Open Cup	
Critical Temperature	391.9 °C		
Critical Volume	718.6 ml/g-mol		
Electrical Resistance	> 20 Megohms		
Evaporation Rate	6051	Ether = 1	



## Technical Data Sheets

**Evaporation Rate** 0.002 n-butyl acetate = 1

**Coefficient of Expansion** 0.001 /°C At 20°C

**Heat Of Combustion** -1607.7 kcal/g-mol

**Heat Of Vaporization** 15196 cal/g-mol

**Liquid Heat Capacity** 110.74 cal/(g \* mol)(°C) At 25°C

**Viscosity** 13.5 cP Liquid. At 20°C

**Molecular Weight** 216.3

**Refractive Index** 1.4423 At 20°C

**Surface Tension** 28.9 dyne/cm At 20°C

**Vapor Density** 7.5 Air = 1

**Vapor Pressure** 0.0013 kPa At 20°C. 0.01 mm Hg

**Vapor Pressure** 0.00173 kPa At 25°C

**Vapor Pressure** 0.033 kPa At 55°C

**Volume** 7.9 lb/gal At 20°C

<b>Solubility</b>	Element	Test Condition	Test Method
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<b>Soluble in</b>	Water, At 20°C, 0.1-3%		
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<b>Soluble in</b>	Nitrocellulose		
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