

## 78100 Texanol™

CAS No.: 25265-77-4

Texanol™ is a trademark of Eastman Chemical Company.

Texanol™ Ester Alcohol (2,2,4-Trimethyl-1,3-pentandiol-monoisobutyrate)

Molecular weight (C <sub>12</sub> H <sub>24</sub> O <sub>3</sub> )	216.3
Color (Pt-Co)	10 max.
Specific gravity (20°C)	0.95
Wt/Vol (20°C)	0.95 kg/l
Solubility (20°C):	
Texanol in water	0.1 %
Water in texanol	3.0 %
Evaporation rate	
(n-butyl acetate = 1)	0.002
(ether = 1)	6051
Refractive index (20°C)	1.4423
Vapor pressure (20°C)	0.0013 KPa (0,01 mm Hg)
Vapor pressure (25°C)	0.00173 KPa
Vapor pressure (55°C)	0.033 KPa
Boiling point at 760 mm Hg	254°C (489°F)
Freezing point	-50°C (-58°F)
Flash point (Cleveland Open Cup)	120°C (248°F)
Autoignition temperature	393°C (739°F)
Hansen Solubility Parameters	
Nonpolar	7.4
Polar	3
Hydrogen Bonding	4.8
Total	9.3
Surface tension (20°C)	28.9 dynes/cm
Electrical resistance	> 20 Megohms
Expansion coefficient, per °C (20°C)	0.001
Critical temperature	391.9°C
Critical pressure	19.9 ATM
Critical volume	718.6 ml/g·mol
Heat of vaporization	15196 cal/g·mol
Heat of combustion	-1606.7 kcal/g·mol
Liquid heat capacity (25°C)	110.74 cal/(g·mol)(°C)
Liquid viscosity (20°C)	13.5 cP (mPa·s)
Nitrocellulose solubility	Active
Acidity (as acetic acid)	0.05 wt % max.



### **Product Description:**

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. 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. Texanol™ ester alcohol also enhances thickening efficiency when used with associative thickeners.

Texanol™ ester alcohol also works well in a variety of other applications. It is an ideal choice as a retarder solvent for used in coil coatings and high-bake enamels. Texanol™ ester alcohol offers a good balance of performance properties for ink applications requiring good open. The unique balance of properties in Texanol™ ester alcohol 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.

Texanol™ ester alcohol can also be used as a solvent in nail polish. The INCI (cosmetic ingredient) name is Trimethyl Hydroxypentyl Isobutyrate.