Product Datasheet
Union Petrochemical Public Company Limited

ETHYL GLYCOL ACETATE

CAS NO. 111-15-9

Product Description	Key Features	Application
• Ethyl Glycol Acetate (EGA) is a colorless liquid with a mild ester-like odor. It's miscible with most organic solvents and is partially soluble in water. • It's an excellent solvent for many natural and synthetic resins and is used in printing ink and surface coating formulations.Moreover, It's a better solvent than Ethyl Glycol. It will dissolve chlorinated rubber and many natural, synthetic, and alkyd resins as well as cellulose ester and ethers with the exception of cellulose acetate.	• Powerful solvency with characteristic fruity odor • Fastest evaporating and offers better viscosity reduction than heavier molecular weight glycol ethers • Widely used in coating and cleaning application	• Nitrocellulose lacquers • Synthetic Resin • Printing Ink • Surface Coating • A viscosity-reducing auxiliary solvents in high solid paints.

Properties	Typical Value	Unit	Test Based On
Acidity as Acetic acid	0.02 Max	wt %	
Assay	99.0 Min	wt%	GC
Autoignition Temperature	380 (716)	°C (°F)	
Boiling Point @ 760 mmHg	150 – 160 (302 – 320)	°C (°F)	
Color Pt-Co	15 Max	-	
Critical Pressure	30	ATM	
Critical Temperature	334	°C	
Empirical Formula	$C_6H_{12}O_3$		
Evaporation Rate			
(ether = 1)	57.0	-	
(n-butyl acetate = 1)	0.21	-	
Expansive Limits in Air			
Lower	1.70	vol%	
Upper	10.10	vol%	
Flash Point (Closed Cup)	52 (126)	°C (°F)	
Freezing Point	-61 (-78)	°C (°F)	
Hansen Solubility Parameters			
Hydrogen bonding	5.2	-	
Nonpolar	7.8	-	
Polar	2.3	-	
Heat of Combustion	25,000	kJ/kg	
Heat of Vaporization	310	kJ/kg	
Liquid Heat Capacity	63.9	cal/(g.mol) K	
Liquid Viscosity @ 20 °C	1.32	cP (mPa.s)	
Molecular Weight	132.16	-	
Refractive Index @ 20°C	1.406	-	
Solubility In water, @ 20 °C	230	g/L	
Specific Gravity @ 20°C/20°C	0.974	-	
Surface Tension @ 20 °C	31.8	Dynes/cm	
Vapor Density (air = 1)	4.72	-	
Vapor Pressure @ 25 °C	2.34	mmHg	
Wt/Vol @ 20 °C	0.975 (8.14)	Kg/L (lb/gal)	

Notes

Typical properties provided are not to be construed as specifications. They are compiled from available information from the supplier and equivalent public resources.

For additional technical, sales and order assistance please contact our sales representative