

# EB Solvent

**CAS NO. 111-76-2**

Product Description	Key Features	Application
<ul style="list-style-type: none"> <li>EB solvent is a high flash point, water miscible, colorless solvent providing slow evaporation rate and good viscosity control for a broad range of polymers, resins and coatings.</li> <li>It is primarily used in the production of electronic components in the etching and photoresist processes.</li> <li>Its miscible with most organic solvents and water, EB solvent enables formulators to develop customized blends that meet the most demanding requirements for electronic chemicals in wet processing and photoresist applications.</li> </ul>	<ul style="list-style-type: none"> <li>Excellent resin solubility</li> <li>High assay</li> <li>High Purity/Low Trace Metals</li> <li>Inert - Food use with limitations</li> <li>Inert - Nonfood use</li> <li>Viscosity control</li> <li>Readily biodegradable</li> <li>Slow evaporation rate</li> <li>Miscible with most organic solvents and water</li> </ul>	<ul style="list-style-type: none"> <li>Solvent in printing inks for leather dyes</li> <li>Component in cleaners</li> <li>Component in hydraulic fluids</li> <li>Component in drilling and cutting oils (strong solvent)</li> <li>Starting material in the production of butyl glycol acetate</li> <li>Starting material in the production of plasticizers</li> <li>Electronic chemicals</li> <li>LCD displays</li> <li>Process solvents</li> </ul>

Properties	Typical Value	Unit	Test Based On
Acidity as Acetic acid	0.010 Max	% wt	ASTM D1613
Assay	99.0 Min	% wt	TXAL-A-XX-G-GC-037
Autoignition Temperature	230 (446)	°C (°F)	ASTM D2155
Boiling Point @ 760 mmHg			
Initial	171 (340)	°C (°F)	
Color	10 Max	Pt-Co	TXAL-A-XX-G-VCC-005
Critical Pressure	32	atm	
Critical Temperature	368	°C	
Empirical Formula	C <sub>8</sub> H <sub>14</sub> O <sub>2</sub>		
Evaporation Rate			
(n-butyl acetate = 1)	0.06	-	
Expansive Limits in Air			
Lower	1.1	vol%	
Upper	10.6	vol%	
Flash Point	67 (153)	°C (°F)	Closed cup
Freezing Point	-75 (-103)	°C (°F)	
Hansen Solubility Parameters			
Hydrogen bonding	12.3	-	
Nonpolar	16.0	-	
Polar	5.1	-	
Total	20.8	-	
Heat of Combustion	-7720	cal/g	
Heat of Vaporization	87.1	cal/g	
Liquid Heat Capacity @ 25 °C	2.38	J/g.°C	
Liquid Viscosity @ 20 °C	3.3	cP (mPa.s)	
Molecular Weight	118.2	-	
Solubility			
In water, @ 25 °C	900	g/l	
Specific Gravity @ 20°C/20°C	0.9005-0.9040	-	ASTM D4052
Surface Tension @ 20 °C	26.6	Dynes/cm	
Vapor Density (air = 1)	4	-	
Vapor Pressure @ 25 °C	1.17	hPa	
Wt/Vol @ 20 °C	0.902	g/cm <sup>3</sup>	

## Notes

Typical properties: these are not to be construed as specifications.

<sup>1</sup>Product may not be available in one or more countries in the identified Availability regions. Please contact your Sales Representative for complete Country Availability.

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

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