

n-BUTYL ACETATE

CAS NO. 123-86-4

Product Description	Key Features	Application
<ul style="list-style-type: none"> n-Butyl Acetate (BA) is an ester that is a colorless, flammable liquid at room temperature with a characteristic ester odor, moderately volatile, colorless solvent with excellent solvency for cellulose nitrate, polymers, resins and oils. It's miscible with all conventional solvents such as alcohols, ketones, aldehydes, ethers, glycols, glycol ethers, aromatic hydrocarbons, and aliphatic hydrocarbons. Its solubility in water is limited. Moreover, it's an important solvent in the manufacture of paints, leather and in the chemical and allied industries. Its moderate volatility and its resistance to blushing and levelling problems such as orange-peel effects make it possible for paints with excellent levelling and gloss to be formulated. 	<ul style="list-style-type: none"> Moderate volatility Blushing and levelling resistance Low water adsorption High solvency Miscible with all conventional solvents 	<ul style="list-style-type: none"> Paints and Coatings Nail Care Cleaners Leather Industry Fragrance Solvent

Properties	Typical Value	Unit	Test Based On
Acidity as Acetic acid	0.004 Max	%	GB/T12717-91
Assay	99.5 Min	%	GB/T12717-91
Autoignition Temperature	420 (788)	°C (°F)	
Boiling Point @ 760 mmHg			
Initial	126 (256)	°C (°F)	
Color	10 Max	Pt-Co	GB 6185
Critical Pressure	31	ATM	
Critical Temperature	305.9	°C	
Empirical Formula	C ₆ H ₁₂ O ₂		
Evaporation Rate (ether = 1)	12	-	DIN 53170
Expansive Limits in Air			
Lower	1.4	vol%	
Upper	8.0	vol%	
Flash Point	27 (80.6)	°C (°F)	
Freezing Point	-78 (-108.4)	°C (°F)	
Hansen Solubility Parameters			
Hydrogen bonding	3.5	-	
Nonpolar	7.7	-	
Polar	1.8	-	
Total	8.5	-	
Heat of Combustion	-30540	kJ/kg	
Heat of Vaporization	309	kJ/kg	
Liquid Viscosity @ 20 °C	0.7	cP (mPa.s)	
Molecular Weight	116.16	-	
Refractive Index @ 20°C	1.393-1.395	-	DIN 51423
Solubility			
In water, @ 20 °C	0.7	g/100ml	
Water in, @ 20 °C	1.9	g/100ml	
Specific Gravity @ 20°C/20°C	0.88	-	
Surface Tension @ 20 °C	25.3	Dynes/cm	
Vapor Density (air = 1)	4	-	
Vapor Pressure	1.2	kPa	
Wt/Vol @ 20 °C	0.878-0.883	g/cm ³	GB 4472

Notes

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

¹Product 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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