

## Isobutanol®

Technical DataSheet | Supplied by BASF

Isobutanol® by BASF is colorless, clear, mobile, neutral, isobutyl alcohol-based solvent for coatings and printing inks. Possesses a characteristic odor. Prevents blushing of certain coatings when they dry under humid conditions. Widely used as a diluent in cellulose nitrate lacquers and serves to improve their flow, gloss and resistance to blushing. Isobutanol® reduces viscosity and improves brushability. At low concentrations, prevents cobwebbing in lacquers formulated from spirit-soluble resins. Exerts a beneficial effect in water-based paints.

<b>Product Type</b>	Solvents > Alcohols > Butyls
<b>Chemical Composition</b>	Isobutyl alcohol
<b>CAS Number</b>	78-83-1
<b>Physical Form</b>	Liquid
<b>Appearance</b>	Clear
<b>Product Status</b>	COMMERCIAL
<b>Applications/ Recommended for</b>	Coatings Inks

## Isobutanol® Properties

Property	Value & Unit	Test Condition	Test Method
<b>Color, APHA</b>	< 5		
<b>Density</b>	0.801 - 0.803 g/cm <sup>3</sup>	At 20°C	DIN 51757
<b>Refractive Index</b>	1.395 - 1.396		DIN 51423
<b>Solidification Point</b>	-108 °C		

<b>Viscosity</b>	10 - 11 mPa-s	At 20°C	DIN 53171
<b>Boiling Point</b>	106 - 108 °C	At 1013 hPa. 95% Volume. 2-97 ml	
<b>Acid Value</b>	< 0.03		
<b>Molecular Weight</b>	74.12 g/mol		
<b>Evaporation Rate (ether=1)</b>	25		DIN 53170
<b>Vapor Pressure</b>	0.8010 hPa	At 20°C	
<b>Flash Point</b>	28 °C		
<b>Solubility</b>	Element	Test Condition	Test Method
<b>Miscible in</b>	Alcohols		
<b>Miscible in</b>	Ketones		
<b>Miscible in</b>	Aldehydes		
<b>Miscible in</b>	Ethers		
<b>Miscible in</b>	Aromatic and aliphatic hydrocarbons		
<b>Limited miscibility with</b>	Water		