

Butyl Glycol

Technical DataSheet | Supplied by BASF

High boiling, low volatility ethylene glycol mono-n-butyl ether/ 2-Butoxyethanol/ 1-Hydroxy-2-n-butoxyethane having mild odor. Butyl Glycol by BASF acts as a solvent and coalescent for paints and printing inks. It can form peroxides in the presence of atmospheric oxygen. Improves the flow and extends the drying time of coatings. Also improves brushability of alkyd resin paints and reduces their viscosity. It significantly lowers the minimum film forming temperature (MFFT) and improves flow in many physically drying paint systems. Improves the evaporation behavior of the volatile constituents. Exhibits miscibility with most common organic solvents and water. Butyl Glycol is used for aqueous coatings and printing inks.

Product Type	Solvents > Glycols & Glycol Ethers
Chemical Composition	Ethylene glycol mono-n-butyl ether/ 2-Butoxyethanol/ 1-Hydroxy-2-n-butoxyethane
CAS Number	111-76-2
Physical Form	Liquid, Mobile
Appearance	Colorless
Product Status	COMMERCIAL
Applications/ Recommended for	Coatings > Waterborne Inks > Water-based Resins > Chlorinated Rubbers Resins > Natural Resins > Cellulosic Resins Inks
Bio Based	No

Butyl Glycol Properties

Property	Value & Unit	Test Condition	Test Method
Molar mass	118.18 g/mol		



Technical Data Sheets

Color, Platinum-cobalt < 10

Density 0.8995 - 0.9020 g/cm³ At 20°C DIN 51757

Refractive Index 1.4190 - 1.4200 DIN 51423

Freezing Point -70.4 °C

Boiling Point 168 - 172 °C At 1013 hPa. 95% Volume. 2-97 ml DIN 53171

Heat Of Combustion 32397 kJ/kg At 25°C

Enthalpy of Vaporization 368 kJ/kg

Evaporation Rate (ether=1) 160 DIN 53170

Flash Point 65 °C

Vapor Pressure 0.89 hPa At 20°C