



Butanol

1-Butanol

Catalog Nr.	Q124																				
Definition	Butanol or butyl alcohol (sometimes also called biobutanol when produced biologically), is a primary alcohol with a 4 carbon structure and the molecular formula of C ₄ H ₉ OH. It belongs to the higher alcohols and branched-chain alcohols.																				
CAS Number	71-36-3																				
Application	<p>Preparation of esters, especially butyl acetate, solvent for resins and coatings, plasticizers; dyeing assistant; hydraulic fluids; detergent formulations; dehydrating agent (by azeotropic distillation); intermediate; "butylated" melamine resins; glycol ethers; butyl acrylate.</p> <p>It is primarily used as a solvent, as an intermediate in chemical synthesis, and as a fuel.</p>																				
Technical Data	<table><tr><td>Appearance:</td><td>Clear, colorless solution.</td></tr><tr><td>Odor:</td><td>Strong characteristic, mildly alcoholic odor.</td></tr><tr><td>Solubility:</td><td>9 mL/100 mL water @ 25C</td></tr><tr><td>Specific Gravity:</td><td>0.81 @ 20C/4C</td></tr><tr><td>% Volatiles by volume @ 21C (70F):</td><td>100</td></tr><tr><td>Boiling Point:</td><td>118C (244F)</td></tr><tr><td>Melting Point:</td><td>-89C (-128F)</td></tr><tr><td>Vapor Density (Air=1):</td><td>2.6</td></tr><tr><td>Vapor Pressure (mm Hg):</td><td>5 @ 20C (68F)</td></tr><tr><td>Evaporation Rate (BuAc=1):</td><td>0.46</td></tr></table> <p>FLAMMABLE LIQUID AND VAPOR. HARMFUL IF SWALLOWED, INHALED OR ABSORBED THROUGH SKIN. AFFECTS CENTRAL NERVOUS SYSTEM. CAUSES IRRITATION TO SKIN, EYES AND RESPIRATORY TRACT. MAY AFFECT LIVER AND KIDNEYS.</p>	Appearance:	Clear, colorless solution.	Odor:	Strong characteristic, mildly alcoholic odor.	Solubility:	9 mL/100 mL water @ 25C	Specific Gravity:	0.81 @ 20C/4C	% Volatiles by volume @ 21C (70F):	100	Boiling Point:	118C (244F)	Melting Point:	-89C (-128F)	Vapor Density (Air=1):	2.6	Vapor Pressure (mm Hg):	5 @ 20C (68F)	Evaporation Rate (BuAc=1):	0.46
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Packaging & Handling	<p>374 lb drums</p> <p>UN Number 1120 Class 3.0 Packaging Group III</p>																				
Remarks	Transport Category 3																				