

Butyldiglycol

Description

Low-volatility, high-boiling, clear liquid with a mild odor. Solvent for numerous natural and synthetic resins, fats and oils. Feedstock for syntheses.

Properties

Butyldiglycol is a clear, low-volatility, mobile liquid with a very faint, mild odor. It is miscible with many common solvents, e. g. aliphatic hydrocarbons, alcohols, ketones, aldehydes, ethers, glycols, glycol ethers and water. It may form peroxides if it comes into contact with atmospheric oxygen.

Butyldiglycol should be stored under nitrogen. The storage temperature must not exceed 40 °C and moisture are excluded. Under these conditions, a storage stability of 12 months can be expected.

As soon as the original packaging is opened, the liquid comes into contact with ambient air and this will cause the formation of large quantities of peroxides and their degradation products. Opened containers should therefore be used up as quickly as possible.

It is recommended to use nitrogen blanketing for bulk storage tanks. Only dedicated storage tank and unloading facilities should be used.

Chemical Nature

Diethylene glycol monobutyl ether, 2-(2-butoxyethoxy)ethanol

Molecular formula	C ₈ H ₁₈ O ₃
Molar mass	162.23 g/mol
CAS number	112-34-5
EC number	203-961-6

Specifications

Property	Test Method	Unit	Methoxypropyl-Acetate
Density @ 20°C	DIN 51757	kg/l	0,952 – 0,956
Butyldiglycol	DIN EN 51777, part 1	%	≥ 99,0
Water		%	≤ 0,1
Refractive index	DIN 51423	n _D 20	≤ 1.431 – 1.433
Boiling range	DIN 51751	°C	228 - 232
Color Value (Hazen)	DIN EN ISO 6271	--	≤ 10

The abovementioned data shall constitute the agreed contractual quality of the product at the time of passing risk. The data are controlled at regular intervals as of our quality assurance program. Neither these data nor the properties of the product specimens shall imply any legally binding guarantee of certain properties or of fitness for a specific purpose. No liability of ours can be derived therefrom.