

# TENRYU (THAILAND) CO., LTD.

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## SALES SPECIFICATIONS

**Product** : Butyl Glycol  
**Spec. No.** : 05-001-0  
**Effective Date** : 1 April 2018

### Description

Butyl Glycol (Butyl Cellosolve) is a colourless, mild smelling liquid with a high boiling point. It is slightly hygroscopic and miscible with water at room temperature. At higher temperatures a miscibility gap with water occurs in the system.

Butyl Glycol (Butyl Cellosolve) is also miscible with numerous oxygenated solvents, as well as with aliphatic and aromatic hydrocarbons and oils which has outstanding solvent power for many natural and synthetic resins, nitrocellulose and ethyl cellulose. Butyl Glycol (Butyl Cellosolve) forms binary azeotropic mixtures with water and a range of organic substances.

### Specification

<u>Properties</u>	<u>Unit</u>	<u>Test Method</u>	<u>Value</u>
Purity	% m/m	GC	99.0 min
Colour (Pt-Cobalt)		ASTM D1209	10 max
Density @ 20 °C	g/ml	ASTM D4052	0.898 - 0.902
Water Content	% m/m	ASTM D1364	0.20 max
Distillation, IBP	°C	ASTM D1078	166.0 min
Distillation, DP	°C	ASTM D1078	173.0 max
Acidity as acetic acid	% m/m	ASTM D1613	0.005 max

### Typical Properties

<u>Properties</u>	<u>Unit</u>	<u>Test Method</u>	<u>Value</u>
SG @ 20 °C		ASTM D4052	0.899 - 0.904
Refractive Index @ 20 °C		ASTM D1218	1.419 - 1.420

### Application

Butyl Glycol (Butyl Cellosolve) is widely used in the surface coating industry as a solvent, a viscosity improver for alkyd resin system, a property regulator and a coalescer and flow improver in water-based paints.

It is also applied in printing inks, hydraulic fluids, household and industrial cleaners, cosmetics, agricultural formulations and cutting oils, electroplating solutions, pharmaceuticals, cosmetics and magnetic tapes, leather finishes.

It is also used as a starting material for chemical synthesis.

**Note** : The Company reserves the right to change the information contained herein without notice.