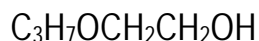




Propyl CELLOSOLVE Solvent  
Ethylene Glycol Mono-n-propyl Ether



### A high solvency glycol ether with excellent coupling properties

#### Introduction

Propyl CELLOSOLVE™ Solvent is useful in printing and other specialized coatings applications and is a frequent choice for replacement of CELLOSOLVE Solvent. Its fast evaporation, high water solubility and active solvency make Propyl CELLOSOLVE Solvent ideal for a variety of cleaning applications.

#### Physical properties†

Molecular weight (g/mol)		104.2
Boiling point	302°F	150°C
Flash point <sup>(1)</sup>	135°F	57°C
Freezing point	-130°F	-90°C
Vapor pressure @ 20°C		1.6 mmHg
Specific gravity (20/20°C)		0.912
Density @ 20°C		7.6 lb/gal
Viscosity (@ 25°C, cP)		2.7
Surface tension (dynes/cm @ 25°C)		26.3 (neat product) 32.3 (25% aq. solution) <sup>(2)</sup>
Specific heat (J/g/°C @ 25°C)		2.22
Heat of vaporization (J/g) at normal boiling point		382.6
Net heat of combustion (kJ/g) — predicted @ 25°C		28.1
Autoignition temperature	455°F	235°C
Evaporation rate	(n-butyl acetate = 1.0)	0.2
Solubility @ 20°C by weight		
Solvent in water		100
Water in solvent		100
Hansen solubility parameters (J/cm <sup>3</sup> ) <sup>1/2</sup>		
<sub>d</sub> (Dispersion)		16.1
<sub>p</sub> (Polar)		8.0
<sub>h</sub> (Hydrogen bonding)		13.1
Flammable limits (vol.% in air)		
Lower		15.8
Upper		1.3

<sup>†</sup>The physical property data listed here are considered to be typical properties, not specifications.

<sup>1</sup> Pensky-Martens Closed Cup.

<sup>2</sup> Percent by weight: 25% product; 75% water.

## Classification/Registry Numbers††

CAS Number	2807-30-9
AICS (Australia)	2807-30-9
DSL (Canada)	2807-30-9
ECL (Korea)	KE-29764 <sup>(1)</sup>
EINECS (EU)	203-548-6
ENCS (Japan)	(2)-2424 <sup>(2)</sup>
MITI (Japan)	2807-30-9

<sup>1</sup>Korean Inventory of Chemicals

<sup>2</sup>Japanese Inventory (ENCS)

†† **NOTE:** Classifications apply only to this glycol ether product. It is the responsibility of the formulator to ensure that the final finished product complies with the regulations of a given country prior to its sale or distribution in that country.

### Suggested Applications

- Solvent in printing inks
- Coalescent in specialized coatings

### Features

- Coalescing ability
- High solvency power
- Fast evaporation
- Low viscosity

**NOTE:** Consult the appropriate Material Safety Data Sheet for safety and handling guidelines for this product.

### Product Stewardship

The Dow Chemical Company has a fundamental concern for all who make, distribute, and use our family of glycol ether products, and the environment we share. This concern is the basis for our Product Stewardship philosophy, by which we assess all available information on our products and then take appropriate steps to protect employee and public health and the environment. In addition, Dow is committed to implementing the guiding principles and management practices of the chemical industry's Responsible Care<sup>†</sup> initiative, which includes Product Stewardship as one of the Management Practices. As part of our Product Stewardship effort, information such as Material Safety Data Sheets and literature on DOW glycol ethers are provided to assist customers in handling our glycol ether products in a safe and responsible manner.

<sup>†</sup> Service mark of The Chemical Manufacturer's Association

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