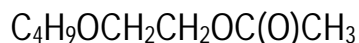




Butyl CELLOSOLVE Acetate Solvent
Ethylene Glycol n-butyl Ether Acetate



A high boiling, slow evaporating ester solvent that is miscible with alcohols and ketones

Introduction

Butyl CELLOSOLVE™ Acetate Solvent is a high boiling, slow evaporating solvent that has limited water solubility, but is miscible with alcohols and ketones. Because it exhibits good compatibility with various coatings resins, Butyl CELLOSOLVE Acetate Solvent is used in many coatings applications. It provides good tolerance for aliphatic and aromatic hydrocarbons and may be used to replace these solvents to enhance application properties such as brushability or roll application in high performance coatings. The slow evaporation rate of Butyl CELLOSOLVE Acetate Solvent also makes it ideal for use in specialty printing inks.

Physical properties†

Molecular weight (g/mol)	160.21	
Boiling point	377F	191.7°C
Flash point	165°F	74°C
Freezing point	-83°F	-64°C
Vapor pressure@ 20°C	0.2 mmHg	0.03 kPa
Specific gravity (20/20°C)		0.972
Density @ 20°C		7.84 lb/gal
Viscosity (cP or mPa·s @ 25°C)		1.6
Surface tension (dynes/cm or mN/m @ 25°C)		27.4
Evaporation rate	(n-butyl acetate = 1.0)	0.04
Solubility, g/100g @ 25°C		
Solvent in water		1.5
Water in solvent		1.7
Hansen solubility parameters (J/cm ³) ^{1/2}		
_d (Dispersion)		16.0
_p (Polar)		4.5
_h (Hydrogen bonding)		8.8
Flammable limits (vol.% in air)		
Lower		0.5 %(V)
Upper		8.54 %(V)

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

Classification/Registry Numbers††

CAS Number	112-07-2
AICS (Australia)	112-07-2
DSL (Canada)	112-07-2
ECL (Korea)	KE-04135
EINECS (EU)	2039333
MITI (Japan)	(2)-740
TSCA (U.S.)	112-07-2

†† **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

- Coalescent for waterborne latex coatings
- Slow evaporation solvent used in specialty printing inks

Features

- Superior dispersion stability
- Low surface tension for good wetting of substrate and better adhesion
- Good coalescing efficiency
- Slow evaporation rate

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[†] 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.

[†] Service mark of The Chemical Manufacturer's Association

*The Dow Chemical Company
Midland, Michigan 48674 U.S.A.

In The United States And Canada:
1-800-447-4369
Fax: 1-989-832-1465

In Europe: +800 3 694 6367
Toll Phone: +32 3 450 2240
Toll Fax: +32 3 450 2815

In The Pacific: +852 2879 7260
Fax: +852 2827 5881
In Other Global Areas: 1-989-832-1556
Fax: 1-989-832-1465

Notice: No freedom from any patent owned by Seller or others is to be inferred. Because use conditions and applicable laws may differ from one location to another and may change with time, Customer is responsible for determining whether products and the information in this document are appropriate for Customer's use and for ensuring that Customer's workplace and disposal practices are in compliance with applicable laws and other governmental enactments. Seller assumes no obligation or liability for the information in this document. NO WARRANTIES ARE GIVEN; ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED.

Published March 2004

