

BUTYL CARBITOL ACETATE



Cas Number: 111-76-2

Other Names: 2-(2-Butoxyethoxy)ethyl acetate;

Diethylene glycol monobutyl ether acetate;

Butoxyethoxyethyl acetate; Butyl diglycol acetate

Formula: C₁₀H₂₀O₄

PRODUCT INTRODUCTION

Butylcarbitol Acetate is a clear, high-boiling, low volatility, slightly hygroscopic liquid with a mild ester-type odor. It is freely miscible with most common organic solvents, but miscible with water only between certain limits.

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Weight	204.3 g/mol
Boiling Point	246.7°C
Flash Point	105°C
Freezing Point	-32°C
Vapor Pressure at 20°C	<0.001 kPa
Specific Gravity (20/20°C)	0.979
Density at 20°C	8.16 lb/gal
Viscosity (cP or mPa.s at 25°C)	3.2
Surface Tension (dynes/cm or mN/m at 25°C)	30.0
Evaporation Rate	< 0.01
Solubility (g/100g at 25°C)	
Solvent in Water	6.5
Water in Solvent	3.7
Hansen Solubility Parameters (J/cm ³) ^{1/2}	
_d (Dispersion)	16.00
_p (Polar)	4.10
_h (Hydrogen Bonding)	8.20
Flammable Limits (vol.% in air)	
Lower	0.76 %(V)
Upper	10.7 %(V)

APPLICATIONS

- The main application for BDGA is as a solvent in formulations for paints, cleaning fluids, coatings and inks.
- In the coatings industry it is utilized as latex coalescent for water-based industrial coatings.
- In the paint industry, it is a high boiling solvent and leveling agent, and a coalescent in paints and lacquers.
- It is an effective solvent for cleaning fluids and is now marketed as a cleaning agent in the electronics industry.
- In the ink industry it is valued as a solvent for specialty printing inks and for ball point pen pastes.
- It is also a suitable solvent for dyes used in wood stains and furniture polishes.

PACKAGING OPTIONS

Drums

To Get A Quote, Email On marketing@sanjaychemindia.com