Technical Data Sheet



Product Name	Butyl CARBITOL™ Solvent		
Product Name	Butyl CARBITOL ···· Solvent		
Synonyms	Diethylene glycol monobutyl ether.		
Chemical Formula	C4H9(OCH2CH2)2OH		
Product Description	Butyl CARBITOL [™] is a slow-evaporating, hydrophilic glycol ether with excellent coalescing and coupling power. Butyl CARBITOL [™] glycol ether can be considered a slower-evaporating analog of Butyl CELLOSOLVE [™] glycol ether. It can be used in combination with Butyl CELLOSOLVE [™] glycol ether to lower the evaporation rate and increase the hydrophobicity of the solvent package. In addition, Butyl CARBITOL [™] glycol ether offers 100% water solubility.		
Applications Typical Physical	 Latex coalescent in water-based architectural and industrial coatings. Coupling agent and solvent in household and industrial cleaners, rust removers, hard surface cleaners, and disinfectants. Primary solvent in solvent-based silk screen printing inks. Coupling solvent for resins and dyes in water-based printing inks. Solvent for ball point and felt tip pen inks, and textile dyeing and printing. Coalescent for latex adhesives. Deactivator, stabilizer for agricultural pesticides. 		
Properties	Bronorty	Value	
	Property Molecular Weight (g/mol)		
		162.2	
	Boiling Point @ 760 mmHg, 1.01 ar	230 °C (446 °F)	
	Flash Point (Setaflash Closed Cup)	114 °C (237 °F)	
	Flash Point (Open Cup)	93 °C (199 °F)	
	Freezing Point	-68 °C (-90°F)	
	Vapor pressure@ 25°C — extrapolated	0.03 mmHg	
	0 : (0 - (0 - (0 - 0 - 0 - 0 - 0 - 0 - 0 -	2.9 Pa	
	Specific gravity (25/25°C)	0.951	
	Liquid Density @ 20°C	0.955 g/cm3	
	@ 25°C Vapor Density (air = 1)	0.948 g/cm3	
		No Test Data Available 6.0	
	Viscosity (cP or mPa•s @ 25°C)		
	Surface tension (dynes/cm or mN/m @ 20°C)	30.0 (undiluted)	
	Specific heat (J/g/°C @ 25°C) Heat of vaporization (J/g) at normal boiling	<u>2.26</u> 276	
	point	210	
	Net heat of combustion (kJ/g) — predicted @ 25°C	28.7	
	Autoignition temperature	210 °C (410 °F)	
	Evaporation rate (n-butyl acetate = 1.0)	<0.01	

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Solubility, g/100 g @ 25°C Solvent in water

Hansen solubility parameters

955

'J/cm ³)1/2 _₄ (Dispersion)	16.0	
_p (Polar)	7.0	
_h (Hydrogen bonding)	10.6	
Partition Coefficient, n-octonol/water (log Pow)	1.0	
Flammable limits (vol.% in air)		
Lower	0.85	
Upper	24.60	

Typical Physical Properties:

REGION

Europe/Africa

Latin America

North America Pacific

This data provided for those properties are typical values, and should not be construed as sales specifications.

Classification/Registry Numbers/Country Inventory@.

CAS#	112-34-5	
AICS (Australia)	112-34-5	
DSL (Canada)	112-34-5	
IECSC (China)	112-34-5	
ECI (Korea)	112-34-5	
EINECS (EU)	203-961-6	
MITI (Japan)	112-34-5	
ENCS/IHSL (Japan)	2-422	
NZIoC (New Zealand)	112-34-5	
PICCS (Philippines)	112-34-5	
TSCA (U.S.)	112-34-5	

@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.

PACKAGING

Bulk/Drum

Bulk/Drum

Bulk/Drum

Bulk/Drum

How Supplied

Product Stewardship

For More Information North America: Toll-free 1-800-447-4369

Europe:

Toll-free (+800) 3-694-6367 (+31) 11567-2626 Asia-Pacific: Toll-free (+800) 7776-7776 (+60) 3-7958-3392 Latin America: (+55) 11-5188-9222

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TRANSPORT MODE

Tank Truck

Tank Truck

Tank Truck/Tank Car

Tank Truck

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