

## DIETHYLENE GLYCOL MONOBUTYL ETHER



- Synonyms: Butyl diglycol, 2-(2-Butoxyethoxy)ethanol, Butyl carbitol
- $C_8H_{18}O_3$
- M = 162,23 g/mol
- CAS [112-34-5]
- EINECS-No.: 203-961-6
- Density: 0,95 g/cm<sup>3</sup>
- Solub. in water: (20 °C): miscible
- Melting point: -68 °C
- Boiling point: 226 - 234 °C
- Flash pt. 98 °C
- Ignition temp.: 225 °C
- Vapour pressure: (20 °C) 0,1 hPa
- Refraction index: (n 20 °C/D) 1,4316
- Dielectric const.: (20 °C) 9,7
- LD 50 (oral, rat): 5660 mg/kg
- EC-Index-No.: 603-096-00-8
- GHS-signal word: Warning
- GHS-H sentences: H319
- GHS-P sentences: P280 - P264 - P305 + P351 + P338 - P337 + P313
- Tariff number: 2909 43 00 00
- Applications: synthesis of organic products, solvents.

DI0572 Diethylene glycol monobutyl ether, EssentQ®



assay (G.C.) . . . . .min. 99 %  
identity (IR-spectrum) . . . . .passes test  
density (20°/4°) . . . . .0,951 - 0,954  
peroxides (as H<sub>2</sub>O<sub>2</sub>) . . . . .max. 0,05 %

residue on ignition . . . . .max. 0,01 %  
water (K.F.) . . . . .max. 0,2 %

ART. NO.	VOLUME	CONTAINER
DI05721000	1 l	0
DI0572005P	5 l	10

DI0573 Diethylene glycol monobutyl ether, ExpertQ®, for analysis



assay (G.C.) . . . . .min. 99 %  
identity (IR-spectrum) . . . . .passes test  
density (20°/4°) . . . . .0,951 - 0,954  
free acid (as CH<sub>3</sub>COOH) . . . . .max. 0,005 %  
aluminium (Al) . . . . .max. 0,5 ppm  
barium (Ba) . . . . .max. 0,1 ppm  
boron (B) . . . . .max. 0,02 ppm  
cadmium (Cd) . . . . .max. 0,05 ppm  
calcium (Ca) . . . . .max. 0,5 ppm  
chromium (Cr) . . . . .max. 0,02 ppm  
copper (Cu) . . . . .max. 0,02 ppm

iron (Fe) . . . . .max. 0,1 ppm  
lead (Pb) . . . . .max. 0,1 ppm  
magnesium (Mg) . . . . .max. 0,1 ppm  
manganese (Mn) . . . . .max. 0,02 ppm  
nickel (Ni) . . . . .max. 0,02 ppm  
tin (Sn) . . . . .max. 0,1 ppm  
zinc (Zn) . . . . .max. 0,1 ppm  
aldehydes (as CH<sub>3</sub>CHO) . . . . .max. 0,001 %  
peroxides (as H<sub>2</sub>O<sub>2</sub>) . . . . .max. 0,0003 %  
residue on ignition . . . . .max. 0,1 %  
water (K.F.) . . . . .max. 0,03 %

ART. NO.	VOLUME	CONTAINER
DI05731000	1 l	0

## DIETHYLENE GLYCOL MONOETHYL ETHER

DI0580 Diethylene glycol monoethyl ether, EssentQ®



- Synonyms: Ethyl diglycol, 2-(2-Ethoxyethoxy)-ethanol, Carbitol
- $C_8H_{18}O_3$
- M = 134,18 g/mol
- CAS [111-90-0]
- EINECS-No.: 203-919-7
- Density: 0,99 g/cm<sup>3</sup>
- Solub. in water: (20 °C): miscible
- Melting point: -80 °C
- Boiling point: 207 °C
- Flash pt. 93 °C
- Ignition temp.: 190 °C
- Vapour pressure: (20 °C) 0,13 hPa
- Refraction index: (n 20 °C/D) 1,427
- Dielectric const.: (20 °C) 12,6
- LD 50 (oral, rat): 8690 mg/kg
- Tariff number: 2909 44 00 90
- Applications: synthesis of organic products, solvents.

assay (G.C.) . . . . .min. 98 %  
identity (IR-spectrum) . . . . .passes test  
density (20°/4°) . . . . .0,987 - 0,990  
peroxides (as H<sub>2</sub>O<sub>2</sub>) . . . . .max. 0,05 %  
residue on ignition . . . . .max. 0,01 %  
water (K.F.) . . . . .max. 0,1 %

ART. NO.	VOLUME	CONTAINER
DI05801000	1 l	0
DI0580005P	5 l	10

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