

DIETHYLENE GLYCOL MONOBUTYL ETHER



- Synonyms: Butyl diglycol, 2-(2-Butoxyethoxy)ethanol, Butyl carbitol
- $C_8H_{18}O_3$
- $M = 162,23 \text{ g/mol}$
- CAS [112-34-5]
- EINECS-No.: 203-961-6
- Density: $0,95 \text{ g/cm}^3$
- Solub. in water: (20 °C): miscible
- Melting point: -68 °C
- Boiling point: $226 - 234 \text{ °C}$
- Flash pt. 98 °C
- Ignition temp.: 225 °C
- Vapour pressure: (20 °C) $0,1 \text{ hPa}$
- 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_2O_2)max. 0,05 %

residue on ignitionmax. 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_3COOH)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_3CHO)max. 0,001 %
peroxides (as H_2O_2)max. 0,0003 %
residue on ignitionmax. 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
- $C_8H_{18}O_3$
- $M = 134,18 \text{ g/mol}$
- CAS [111-90-0]
- EINECS-No.: 203-919-7
- Density: $0,99 \text{ g/cm}^3$
- 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) $0,13 \text{ hPa}$
- 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_2O_2)max. 0,05 %
residue on ignitionmax. 0,01 %
water (K.F.)max. 0,1 %

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

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