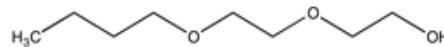


Diethylene glycol monobutyl ether, for analysis, ExpertQ®

Identification

C₈H₁₈O₃
M = 162,23 g/mol
CAS [112-34-5]
EC number: 203-961-6
Taric code: 2909 43 00

**Synonyms**

Butyl diglycol, 2-(2-Butoxyethoxy)ethanol, Butyl carbitol

Applications

synthesis of organic products, solvents.

Specifications

assay (G.C.).....	min. 99 %
identity (IR-spectrum).....	passes test
density (20°/4°).....	0,951 - 0,954
free acid (as CH ₃ 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 ₃ CHO).....	max. 0,001 %
peroxides (as H ₂ O ₂).....	max. 0,0003 %
residue on ignition.....	max. 0,1 %
water (K.F.).....	max. 0,03 %

Physical data

- Density: 0,95 g/cm³
- Solub. in water: (20 °C): miscible
- Melting point: -68 °C
- Boiling point: 226 - 234 °C
- Flash point: 98 °C
- Ignition temperature: 225 °C
- Vapour pressure: (20 °C) 0,1 hPa
- Refraction index: (n 20 °C/D) 1,4316
- Dielectric const.: (20 °C) 9,7
- Evap. heat: (230 °C) 259 KJ/kg
- Expl. limit (upper): 5,3 Vol%
- Expl. limit (lower): 0,7 Vol%
- pH(20 °C) ~ 7

Safety - GHS

Signal Word: Warning

Hazard Statements:

H319: Causes serious eye irritation.

**Precautionary Statements:**

P280: Wear protective gloves / protective clothing / eye protection / face protection.

P264: Wash thoroughly after handling.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313: If eye irritation persists: Get medical advice / attention.

Transport/storage

- 10°C - 30°C