

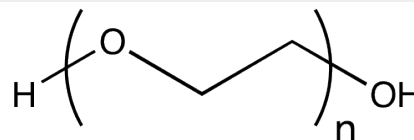
Polyethylene glycol 400, EssentQ®**Identification**HO(C₂H₄O)_nH

M = 380 - 420 g/mol

CAS [25322-68-3]

EC number: 203-473-3

Taric code: 3404 20 00

**Synonyms**

Carbowax, PEG, Polyoxyethylene glycol, Polyglycol, Polyethylene oxide

Applications

analytical chemistry, chromatography, synthesis of organic products, in food industry, cosmetics.

Specifications

identity (IR-spectrum).....passes test
density (20°/4°).....1,124 - 1,126

average molar mass..... 380 - 420
hydroxyl number..... 267 - 295

Physical data

- Density: 1,13 g/cm³
- Solub. in water: (20 °C): miscible
- Melting point: 4 - 8 °C
- Boiling point: > 250 °C
- Flash point: 240 °C
- Ignition temperature: ~ 370 °C
- Vapour pressure: (20 °C) < 0,1 hPa
- Viscosity: (20 °C) 105-140 mPas
- pH(100 g/l H₂O, 20 °C) 5 - 7
- Hygroscopic

Transport/storage

- 10°C - 30°C