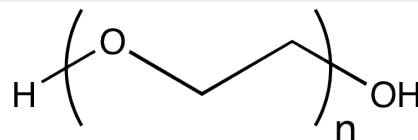


Polyethylene glycol 1500, EssentQ®

Identification

$\text{HO}(\text{C}_2\text{H}_4\text{O})_n\text{H}$
M = 1400 - 1600 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

synthesis of organic products, in food industry, cosmetics.

Specifications

identity (IR-spectrum).....	passes test	melting range	42 - 48 °C
average molar mass.....	1400 - 1600	hydroxyl number.....	70 - 80

Physical data

- Appearance: flakes, colourless, up to 1cm
- Spec. Density: ~ 1,2 g/cm³
- Bulk density: ~ 400 - 500 kg/m³
- Solub. in water: (20 °C): ~ 700 g/l
- Melting point: 42 - 48 °C
- Flash point: 260 °C
- Ignition temperature: 420 °C
- Vapour pressure: (20 °C) < 0,01 hPa
- pH(100 g/l H₂O, 20 °C) 4 - 7
- Hygroscopic

Transport/storage

- 10°C - 30°C