

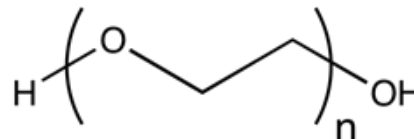
**Polyethylene glycol 1500, EssentQ®****Identification** $\text{HO}(\text{C}_2\text{H}_4\text{O})_n\text{H}$ 

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

average molar mass..... 1400 - 1600

melting range ..... 42 - 48 °C

hydroxyl number..... 70 - 80

**Physical data**

- Appearance: flakes, colourless, up to 1cm
- Spec. Density: ~ 1,2 g/cm<sup>3</sup>
- Bulk density: ~ 400 - 500 kg/m<sup>3</sup>
- 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 H<sub>2</sub>O, 20 °C) 4 - 7
- Hygroscopic

**Transport/storage**

- 10°C - 30°C