

## POLYETHYLENE GLYCOL 600

PO0045 Polyethylene glycol 600, EssentQ®



- Synonyms: Carbowax, PEG, Polyoxyethylene glycol, Polyglycol, Polyethylene oxide
- $\text{HO}(\text{C}_2\text{H}_4\text{O})_n\text{H}$
- $M = 600 \text{ g/mol}$
- CAS [25322-68-3]
- EINECS-No.: 203-473-3
- Density:  $1,13 \text{ g/cm}^3$
- Solub. in water: (20 °C): miscible
- Melting point: 17 - 22 °C
- Flash pt. 270 °C
- Ignition temp.: 380 °C
- Vapour pressure: (20°C) 15000 mg/kg
- Tariff number: 3404 20 00 00
- Applications: synthesis of organic products, in food industry, cosmetics.

identity (IR-spectrum) .....passes test  
density (20°/4°) ..... 1,126 - 1,128  
average molar mass ..... 570 - 630  
hydroxyl number ..... 178 - 197

ART. NO.	VOLUME	CONTAINER
PO00451000	1 l	Ⓔ
PO0045005P	5 l	Ⓔ

## POLYETHYLENE GLYCOL 1500

PO0050 Polyethylene glycol 1500, EssentQ®



- Synonyms: Carbowax, PEG, Polyoxyethylene glycol, Polyglycol, Polyethylene oxide
- $\text{HO}(\text{C}_2\text{H}_4\text{O})_n\text{H}$
- $M = 1400 - 1600 \text{ g/mol}$
- CAS [25322-68-3]
- EINECS-No.: 203-473-3
- Solub. in water: (20 °C): ~ 700 g/l
- Melting point: 42 - 48 °C
- Flash pt. 260 °C
- Ignition temp.: 420 °C
- Vapour pressure: (20 °C) < 0,01 hPa
- LD 50 (oral, rat): 44200 mg/kg
- Tariff number: 3404 20 00 00
- Applications: synthesis of organic products, in food industry, cosmetics.

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

ART. NO.	VOLUME	CONTAINER
PO00501000	1 kg	Ⓔ
PO0050025P	25 kg	Ⓔ

## POLYETHYLENE GLYCOL 4000

PO0060 Polyethylene glycol 4000, EssentQ®



- Synonyms: Carbowax, PEG, Polyoxyethylene glycol, Polyglycol, Polyethylene oxide
- $\text{HO}(\text{C}_2\text{H}_4\text{O})_n\text{H}$
- $M = 3500 - 4500 \text{ g/mol}$
- CAS [25322-68-3]
- EINECS-No.: 203-473-3
- Solub. in water: (20 °C): ~ 550 g/l
- Melting point: 54 - 58 °C
- Flash pt. 250 °C
- Ignition temp.: 420 °C
- Vapour pressure: (20 °C) < 0,1 hPa
- LD 50 (oral, rat): 50000 mg/kg
- Tariff number: 3404 20 00 00
- Applications: analytical chemistry, chromatography, synthesis of organic products, in food industry, cosmetics.

identity (IR-spectrum) .....passes test  
average molar mass .....3500 - 4500  
melting range ..... 58 - 61°C  
hydroxyl number ..... 25 - 32

ART. NO.	VOLUME	CONTAINER
PO00601000	1 kg	Ⓔ
PO0060025P	25 kg	Ⓔ

## POLYETHYLENE GLYCOL 6000



- Synonyms: Carbowax, PEG, Polyoxyethylene glycol, Polyglycol, Polyethylene oxide
- $\text{HO}(\text{C}_2\text{H}_4\text{O})_n\text{H}$
- $M = 6000 \text{ g/mol}$
- CAS [25322-68-3]
- EINECS-No.: 203-473-3
- Solub. in water: (20 °C): ~ 500 g/l
- Melting point: 55 - 62 °C

- Flash pt. 250 °C
- Ignition temp.: 420 °C
- Vapour pressure: (20 °C) 50000 mg/kg
- Tariff number: 3404 20 00 00
- Applications: synthesis of organic products, in food industry, cosmetics.