

POLYETHYLENE GLYCOL 200

PO0025 Polyethylene glycol 200, EssentQ®



- Synonyms: Carbowax, PEG, Polyoxyethylene glycol, Polyglycol, Polyethylene oxide
- $\text{HO}(\text{C}_2\text{H}_4\text{O})_n\text{H}$
- $M = 190 - 210 \text{ g/mol}$
- CAS [25322-68-3]
- EINECS-No.: 203-473-3
- Density: $1,124 \text{ g/cm}^3$
- Solub. in water: (20 °C): freely miscible
- Melting point: $-55 - -40 \text{ }^\circ\text{C}$
- Boiling point: $> 250 \text{ }^\circ\text{C}$
- Flash pt. $180 \text{ }^\circ\text{C}$
- Ignition temp.: $350 \text{ }^\circ\text{C}$
- Vapour pressure: (20 °C) $< 0,1 \text{ hPa}$
- LD 50 (oral, rat): 28000 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°) 1,124 - 1,126
average molar mass 190 - 210
hydroxyl number 535 - 590

ART. NO.	VOLUME	CONTAINER
PO00251000	1 l	




POLYETHYLENE GLYCOL 300

PO0030 Polyethylene glycol 300, EssentQ®



- Synonyms: Carbowax, PEG, Polyoxyethylene glycol, Polyglycol, Polyethylene oxide
- $\text{HO}(\text{C}_2\text{H}_4\text{O})_n\text{H}$
- $M = 300 \text{ g/mol}$
- CAS [25322-68-3]
- EINECS-No.: 203-473-3
- Density: $1,13 \text{ g/cm}^3$
- Solub. in water: (20 °C): freely miscible
- Melting point: $-15 - -10 \text{ }^\circ\text{C}$
- Flash pt. $220 \text{ }^\circ\text{C}$
- Ignition temp.: $370 \text{ }^\circ\text{C}$
- 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°) 1,125 - 1,127
average molar mass 285 - 315
hydroxyl number 356 - 394

ART. NO.	VOLUME	CONTAINER
PO00301000	1 l	
PO0030005P	5 l	
PO0030025P	25 l	



POLYETHYLENE GLYCOL 400

PO0035 Polyethylene glycol 400, EssentQ®



- Synonyms: Carbowax, PEG, Polyoxyethylene glycol, Polyglycol, Polyethylene oxide
- $\text{HO}(\text{C}_2\text{H}_4\text{O})_n\text{H}$
- $M = 380 - 420 \text{ g/mol}$
- CAS [25322-68-3]
- EINECS-No.: 203-473-3
- Density: $1,13 \text{ g/cm}^3$
- Solub. in water: (20 °C): miscible
- Melting point: $4 - 8 \text{ }^\circ\text{C}$
- Boiling point: $> 250 \text{ }^\circ\text{C}$
- Flash pt. $240 \text{ }^\circ\text{C}$
- Ignition temp.: $\sim 370 \text{ }^\circ\text{C}$
- Vapour pressure: (20 °C) $< 0,1 \text{ hPa}$
- LD 50 (oral, rat): 30200 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
density (20°/4°) 1,124 - 1,126
average molar mass 380 - 420
hydroxyl number 267 - 295

ART. NO.	VOLUME	CONTAINER
PO00351000	1 l	
PO0035005P	5 l	
PO0035025P	25 l	