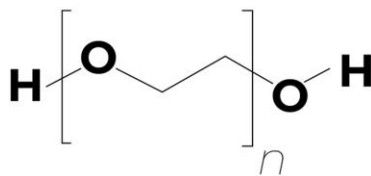


POLYETHYLENE GLYCOL (PEG)



PRODUCT IN FOCUS



Polyethylene Glycol (PEG) – Pharma Grade

INTRODUCTION

Polyethylene glycols (PEG), also known as macrogols, are liquid or solid polymers of the general formula $\text{H}(\text{OCH}_2\text{CH}_2)_n \text{OH}$, where n is greater or equal to four.

MANUFACTURE

PEG's are produced by the interaction of ethylene oxide with water, ethylene glycol or ethylene glycol oligomers. The reaction is catalyzed by acidic or basic catalysts

APPLICATIONS

The outstanding features of the PEGs include their wide compatibility across a range of solvents, wide viscosity range, and hygroscopicity. They are odorless, colorless and show excellent lubricity with low or no toxicity and low volatility.

PEG's find an increasing use in the Pharma and Personal Care industries:

Pharma

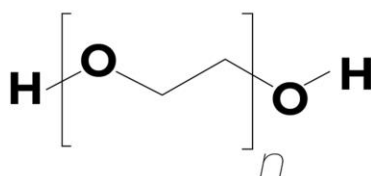
- Capsule and tablet binder
- Ointment bases
- Liquid preparations

Cosmetic and Personal care

- Antiseptic dental cream
- Deodorant sticks and roll-ons
- Hair dressing preparation
- Shaving creams
- Soaps

Synonym	Poly(oxyethylene), Poly(ethylene oxide) ; Poly(oxy-1,2-ethanediyl), α -hydro- ω -hydroxy-
CAS no.	25322-68-3
EINECS no.	500-038-2
Molecular formula	$\text{H}(\text{OCH}_2\text{CH}_2)_n \text{OH}$
Molecular weight	200 to several million
Structure	

POLYETHYLENE GLYCOL (PEG)



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SPECIFICATIONS

Product	Appearance	Avg. Molecular Weight	Viscosity range @ 98.9°C, cSt
Polyethylene Glycol 200	Liquid	190 - 210	4.0 - 4.2
Polyethylene Glycol 400	Liquid	380 - 420	6.8 - 8.0
Polyethylene Glycol 600	Liquid	570 - 630	9.9 - 11.3
Polyethylene Glycol 1000	Waxy Solid	900 - 1100	16.0 - 19.0
Polyethylene Glycol 1500	Solid Flakes	1400 - 1600	26.0 - 33.0
Polyethylene Glycol 3350	Flakes & Powder	3015 - 3685	76.0 - 110.0
Polyethylene Glycol 4000	Flakes & Powder	3800 - 4400	110.0 - 158.0
Polyethylene Glycol 6000	Flakes & Powder	5400 - 6600	250.0 - 390.0
Polyethylene Glycol 8000	Flakes & Powder	7000-9000	470.0 - 900.0

PACKING

25 | 50 | 200 Kg drums

STORAGE

Keep containers tightly closed in a dry, cool and well-ventilated place.

CERTIFICATIONS

ISO | GMP | Kosher | Halal

GRADES AVAILABLE

EP | USP | BP

Non Pharma Grades are also available

No matter the quantity you need, our exceptional quality and service will make ExSyn your supplier of choice! If you need any additional information or SDS, please contact us.