

Poly Ethylene Oxide(PEO) (CAS 25322-68-3) Market Research Report 2025

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Abstracts

Poly Ethylene Oxide(PEO) (CAS 25322-68-3) Market Research Report 2025 presents comprehensive data on Poly Ethylene Oxide(PEO) markets globally and regionally (Europe, Asia, North America etc.)

The report includes Poly Ethylene Oxide(PEO) description, covers its application areas and related patterns. It overviews Poly Ethylene Oxide(PEO) market, names Poly Ethylene Oxide(PEO) producers and indicates its suppliers.

Besides, the report provides Poly Ethylene Oxide(PEO) prices in regional markets.

In addition to the above the report determines Poly Ethylene Oxide(PEO) consumers in the market.

BAC Reports offers its clients in-depth market research of chemical industry products on the global and regional markets (North & Latin America, Asia Pacific, European Union, Russia and CIS).

We can analyze the following elements for each chemical product in any country or region:

capacities and production

consumption volume and structure

market price trends

exports and imports

existing technologies

feedstock market condition

market news digest

market forecast.

Poly Ethylene Oxide(PEO) (CAS 25322-68-3) Market Research Report 2025 can feature:

market condition and estimations, market forecast

chemical product ranges, trademarks, analogous products, application areas

regional and global producers, consumers and traders (including contact details).

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About

Product Name: Poly Ethylene Oxide(PEO)

Synonyms:

2-[2-[2-(2-Hydroxyethoxy)ethoxy]ethoxy]ethanol

Ethanol, 2,2'-(oxybis(ethyleneoxy))di

Polyethylene Glycol

Polyethylene oxide

1,2-Ethandiol, homopolymer

Alkyl polyethyleneglycol ether

Fatty alcohol polyethyleneglycol ethers

Macrogol 6000

PEG

PEG 3350

PEG 4000

PEG 6000

Poly-(oxyethylene)

Polyethyleneglycol

Polyglycol

?-Hydro?-
hydroxypoly-(oxy-1,2-ethanediyl)

CAS#:	25322-68-3
Formula:	$C_8H_{18}O_5$
Molecular Weight:	194.23
Appearance:	Colorless to straw-colored liquid with a mild odor.
Usage:	Solvent for nitrocellulose, plasticizer, lacquers, coating compositions.

Polyethylene glycol (PEG), a.k.a. glycol alcohol, 1,2-ethanediol, ethane-1,2-diol, macrogol, etc. is a chemical compound composed of repeating ethylene glycol units. PEG is a white, odorless viscous liquid to a waxy solid. The molecular formula of the product is $C_2H_6O_2$. Polyethylene glycol is soluble in a raft of organic solvents. PEG's solubility in aromatic hydrocarbons is high. However, polyethylene glycol is slightly soluble in hydrocarbons. PEG is insoluble in hexane and diethyl ether.

Polyethylene glycol is produced by polymerization of ethylene oxide with water, mono ethylene glycol or diethylene glycol in the presence of acidic or basic catalysts.

PEG is very effective in pharmaceutical, biological and chemical settings due to its chemical properties. Polyethylene glycol is non-toxic, non-immunogenic, hydrophilic and highly flexible.

Polyethylene glycol is widely used in medicine in eye drops, in the production of tablets, lubricants and external creams. Besides, PEG is used in the cosmetics industry and to manufacture such personal care products as powders, sticks, creams, etc. Furthermore,

polyethylene glycol can be found in soaps, cleaners, detergents. PEG is also utilized in the ceramics, tile, textile and adhesives industries.

Direct contact of PEG with eyes may lead to their transient discomfort, foreign body irritation, tearing and conjunctival redness. Swallowed polyethylene glycol may produce side effects in an individual. Excessive concentrations of inhaled product may be harmful for people with impaired respiratory function. Long term or repeated contact with PEG can produce changes in lung functions.

Polyethylene glycol (PEG) market is covered in the study Polyethylene Glycol (CAS 25322-68-3) Market Research Report 2013. The report encompasses proper description of the product, unveils application areas, and briefly summarizes patents in

the sphere. It overlooks Polyethylene glycol (PEG) market situation, names manufacturers, suppliers as well as users. The report also provides current Polyethylene glycol (PEG) prices in the market.

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