

US Ethylene Oxide Market Size study, by Application (Glycol Ethers, Acrylonitrile, Ethoxylates, Ethanolamines, Healthcare Sterilant, and Others), by End-Use (Chemical Processing, Healthcare, Food and Beverages, Automotive and Others) Forecasts 2022-2032

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Abstracts

US Ethylene Oxide Market is valued approximately USD 6.28 billion in 2023 and is anticipated to grow with a healthy growth rate of more than 3.35% over the forecast period 2024-2032. Ethylene oxide (EtO) also referred to as oxirane, is a colorless, combustible gas with a pleasant odor that is mostly utilized in the production of compounds like ethylene glycol, a necessary component of polyester and antifreeze. Because of its capacity to permeate materials without causing harm, it is an essential fumigant for spices and sterilizing agent for medical equipment. Many industries use ethylene oxide extensively in the manufacturing of textiles, pharmaceuticals, adhesives, detergents, solvents, and antifreeze. Hospitals use ethylene oxide to maintain the sterility of surgical instruments, fumigants, and spices and cosmetics. The surge in demand for healthcare and sterilization is a key trend that is supporting to the growth of the US Ethylene Oxide Market. The healthcare sector is extensively fostering the demand for ethylene oxide demand, particularly for sterilizing medical equipment. The ongoing need for sterile medical devices is likely to support the market growth.

Ethylene oxide is a versatile chemical that is used in various industries, including healthcare (sterilization of medical equipment), textiles (for making polyester), and chemicals (production of ethylene glycol). The market is driven primarily by the demand from the healthcare industry, which is a major consumer of ethylene oxide due to its use in sterilizing medical equipment; this demand is growing as a result of the increased

focus on healthcare services. Along with this, environmental regulations play a pivotal role, prompting companies to innovate eco-friendly production methods. Additionally, evolving consumer preferences, such as a preference for sustainable products, impact the demand for ethylene oxide and its derivatives, shaping the market's trajectory in the US. Furthermore, rising advancements in technology fosters the development of more efficient and cost-effective processes for ethylene oxide production, which is augmenting the US Ethylene Oxide Market growth over the anticipated years. However, price volatility, fluctuating raw material costs, and strict environmental regulations affecting production processes which are anticipated to impede market growth from 2024 to 2032.

Major market player included in this report are:

Dow Chemical Company

Exxon Mobil Corporation

Thermo Fisher Scientific Inc.

Company 4

Company 5

Company 6

Company 7

Company 8

Company 9

Company 10

The detailed segments and sub-segment of the market are explained below:

By Application

Glycol Ethers

Acrylonitrile

Ethoxylates

Ethanolamines

Healthcare Sterilant

Others

By End-Use

Chemical Processing

Healthcare
Food and Beverages
Automotive
Others

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and Country level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

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