

# **Global and Japan Mono Ethylene Glycol (MEG) Market; by Application(Fiber, PET, Film, Antifreeze & Coolant and Others); By Technology (Naphtha-based, Coal-and natural gas-based, Bio-based and Technology Providers); and Region –Analysis of Market Size, Share & Trends for 2016 – 2019 and Forecasts to 2030**

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## **Abstracts**

### Product overview

Monoethylene glycol (MEG) is a non-volatile, colorless, odorless liquid, which is fully soluble in water and other organic solvents. MEG is manufactured industrially from ethylene, which is hydrated by the thermal or catalytic process, through ethylene oxide. Different sources, such as naphtha, synthesis gas, coal, and biomass, are obtained from the ethylene used in the manufacture of MEG, where gas-based technology is primarily used in the industry. Due to its renewability and reduced reliance on naphtha and coal-based sources, MEG's demand for the biomass-based production process is gaining popularity. MEG is one of the commonly used raw materials for the manufacture of polyester fibers and terephthalate polyethylene (PET) resins.

### Market Highlights

Fatpos Global anticipates the Global and Japan Mono Ethylene Glycol Market to surpass USD 41.32 Billion by 2030, which is valued at 25.17 Billion in 2019 at a compound annual growth rate of 4.73%.

The prominent factor driving the global market growth is MEG's rising demand for polyester fiber-making. Polyester fibers are among the most commonly used fibers worldwide, accounting for more than 50 percent of the overall market for fibers. These fibers are used in the manufacture of many textile products, including garments, home

furnishings, automotive fabrics, fabrics for tire cords, and nonwoven fabrics. Due to the many advantages provided by fibers over conventional fibers, such as resistance to moisture, grease, stains, and water, as well as high resistance to abrasion and wrinkles, the market for these fibers is increasing.

## Global and Japan Mono Ethylene Glycol (MEG) Market Opportunity Analysis

Source: Fatpos Global

### Global and Japan Mono Ethylene Glycol Market: Segments

Global market has been segmented based on technology, application, and region.

#### By Technology (in %), Global and Japan Mono Ethylene Glycol Market, 2019

The moringa oil segment is anticipated to register XX% of the volume share.

The Global and Japan Mono Ethylene Glycol Market is segmented by technology into Naphtha-based, Coal-and natural gas-based, Bio-based, and Technology Providers.

The naphtha-based segment is expected to grow at the highest CAGR during the forecast period. Due to its renewability and reduced reliance on naphtha and coal-based sources, MEG's demand for the biomass-based production process is gaining popularity.

#### By Application Type (in %), Global and Japan Mono Ethylene Glycol Market, 2019

Fiber segment accounted for XX% of the nation's volume in 2019

The Global and Japan Mono Ethylene Glycol Market is segmented by application into Fiber, PET, Film, Antifreeze & Coolant, and Others. Fiber is MEG's greatest application due to MEG's use in the manufacture of PET and polyester fibers. Polyester fiber accounts for around half of the total consumption of fibers, globally. It is commonly used in the clothing and apparel industry, in the manufacture of garments, home furniture, carpets and rugs, fiber filling, and non-woven fabrics. The rising automotive and building & design industries are contributing to the growth of the staple fiber market for polyester. Huge opportunity in the textile industry for the application of polyester leads to growth in the MEG market.

Source: Fatpos Global

### Global and Japan Mono Ethylene Glycol Market: Market Dynamic

Growing awareness and knowledge to increase the demand for moringa product market  
The prominent factor driving global market growth is MEG's rising demand for polyester fiber-making. Polyester fibers are among the most commonly used fibers worldwide, accounting for more than 50 percent of the overall market for fibers. These fibers are used in the manufacture of many textile products, including garments, home furnishings, automotive fabrics, fabrics for tire cords, and nonwoven fabrics. Due to the many advantages provided by fibers over conventional fibers, such as resistance to moisture, grease, stains, and water, as well as high resistance to abrasion and wrinkles, the market for these fibers is increasing.

Health effects associated with MEG usage to hamper the market for MEG in Japan. MEG is harmful to inhalation, absorption, and touch. The high aerosol concentration can cause respiratory irritation when inhaling MEG. One can suffer from mild eye discomfort followed by tears, pain, or even blurred vision when contacting the eyes. Skin contact may also cause slight irritation to the skin. Cardiopulmonary symptoms such as tachycardia, hypertension, extreme metabolic acidosis, hypoxia, congestive heart failure and syndrome of adult respiratory distress, as well as renal failure, may also be induced. The growth of the MEG market is hindered by these health hazards.

### Global and Japan Mono Ethylene Glycol Market: Regions

In terms of value and volume, APAC accounted for XX% of total market volume share in 2019

The largest share of the overall business worldwide was in the APAC region. Due to the rising textile and packaging industries in the regional market, the regional market is projected to register the highest CAGR during the forecast period. The region's packaging industry is the largest in the world and is further expected to multiply due to increased disposable expenditure per capita and increasing demand for hygienic packaging in the pharmaceutical and food industries. Also, the expansion of the region's automotive industry is expected to further propel regional demand growth. In the upcoming years, the automotive industry in the economies of India, China, Japan, South Korea, and Thailand is projected to be the main MEG consumers in the regional market.

The region in Japan segment can be further divided into four major types including Eastern Japan, Northern Japan, Western Japan, and Southern Japan.

Source: Fatpos Global

Japan Building Thermal Insulation Material Market is further segmented by region into:  
Eastern Japan Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR

Northern Japan Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR

Western Japan Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR

Southern Japan Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR

Global and Japan Mono Ethylene Glycol Market: Competitive landscape

Key players depend on national and local suppliers to expand their share and their worldwide economy reach. Mergers and acquisitions are one of the main approaches used in this market. Strategy and business strategy and product introduction are some of the market strategies that the companies operating on the Mono Ethylene Glycol Market have undertaken. These strategies have helped the businesses expand and build a wider base of customers and partners in the key markets. The needs of end-user segments for MEG change constantly, making continuous investment in R&D and innovative solutions essential for manufacturers.

Global and Japan Mono Ethylene Glycol Market: Key Players

LG Chem

Company Overview

Business Strategy

Key Product Offerings

Financial Performance

Key Performance Indicators

Risk Analysis

Recent Development

Regional Presence

SWOT Analysis

India Glycols Limited

Indian Oil Corporation Ltd.

Indorama Ventures Public Company Limited

Ineos Oxide

Kuwait Petroleum Corporation

Lotte Chemical Corporation

Mitsubishi Chemical Corporation

Mitsui Chemicals, Inc.

Other prominent players

Global and Japan Mono Ethylene Glycol Market report also contains analysis on:

Global and Japan Fatty Alcohol Market Segments:

By Technology:

Naphtha-based

Coal-and natural gas-based

Bio-based

Technology Providers

By Application:

Others

Antifreeze & Coolant

Film

PET

Fiber

Global and Japan Fatty Alcohol Market Dynamics

Global and Japan Fatty Alcohol Market Size

Supply & Demand

Current Trends/Issues/Challenges

Competition & Companies Involved in the Market

Value Chain of the Market

Market Drivers and Restraints

## Contents

### **1. CONTENTS**

### **2. EXECUTIVE SUMMARY**

### **3. MONO ETHYLENE GLYCOL MARKET ANALYSIS**

#### 3.1. Product Overview

#### 3.2. Market Definition

#### 3.3. Segmentation

#### 3.4. Assumptions and Acronyms

### **4. RESEARCH METHODOLOGY**

#### 4.1. Research Objectives

#### 4.2. Primary Research

#### 4.3. Secondary Research

#### 4.4. Forecast Model

#### 4.5. Market Size Estimation

### **5. AVERAGE PRICING ANALYSIS**

### **6. MARKET DYNAMICS**

#### 6.1. Growth Drivers

#### 6.2. Restraints

#### 6.3. Opportunity

#### 6.4. Trends

### **7. CORRELATION & REGRESSION ANALYSIS**

#### 7.1. Correlation Matrix

#### 7.2. Regression Matrix

### **8. RECENT DEVELOPMENT, POLICIES & REGULATORY LANDSCAPE**

### **9. RISK ANALYSIS**

9.1. Demand Risk Analysis

9.2. Supply Risk Analysis

## **10. MONO ETHYLENE GLYCOL MARKET ANALYSIS**

10.1. Porters Five Forces

10.1.1. Threat of New Entrants

10.1.2. Bargaining Power of Suppliers

10.1.3. Threat of Substitutes

10.1.4. Rivalry

10.2. PEST Analysis

10.2.1. Political

10.2.2. Economic

10.2.3. Social

10.2.4. Technological

## **11. JAPAN MONO ETHYLENE GLYCOL MARKET**

11.1. Market Size & forecast, 2019A-2030F

11.1.1. By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F

11.1.2. By Volume (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F

## **12. JAPAN MONO ETHYLENE GLYCOL MARKET: MARKET SEGMENTATION**

### **13. EASTERN JAPAN:**

13.1. By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F

### **14. WESTERN JAPAN:**

14.1. By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F

### **15. SOUTHERN JAPAN:**

15.1. By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F

### **16. NORTHERN JAPAN:**

16.1. By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F

## **17. BY APPLICATION: MARKET SHARE (2020-2030F)**

17.1. Fiber, By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F

17.2. Antifreeze & Coolant, By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F

17.3. PET, By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F

17.4. Film, By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F

## **18. BY TECHNOLOGY: MARKET SHARE (2020-2030F)**

18.1. Naphtha-based, By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F

18.2. Coal-and natural gas-based, By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F

18.3. Bio-based, By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F

18.4. Technology Providers, By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F

## **19. COMPANY PROFILE**

19.1. LG Chem

19.1.1. Company Overview

19.1.2. Company Total Revenue (Financials)

19.1.3. Market Potential

19.1.4. Global Presence

19.1.5. Key Performance Indicators

19.1.6. SWOT Analysis

19.1.7. Product Launch

19.2. India Glycols Limited

19.3. Indian Oil Corporation Ltd.

19.4. Indorama Ventures Public Company Limited

19.5. Ineos Oxide

19.6. Kuwait Petroleum Corporation

19.7. Lotte Chemical Corporation

19.8. Mitsubishi Chemical Corporation

19.9. Mitsui Chemicals, Inc.

19.10. Other prominent players



### Consultant Recommendation

\*\*The above-given segmentation and companies could be subjected to further modification based on in-depth feasibility studies conducted for the final deliverable.

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