

## **1,4-Butanediol (BDO), Polytetramethylene Ether Glycol (PTMEG) and Spandex Market Report and Forecast 2025-2034**

Market Report | 2025-08-13 | 160 pages | EMR Inc.

### **AVAILABLE LICENSES:**

- Single User License \$3599.00
- Five User License \$4249.00
- Corporate License \$5099.00

### **Report description:**

The global 1,4-butanediol (BDO), polytetramethylene ether glycol (PTMEG) and spandex market stood at a value of around USD 19.72 Billion in 2024. The market is further expected to grow in the forecast period of 2025-2034 at a CAGR of 7.00%, to reach USD 38.79 Billion by 2034.

The global 1,4-butanediol (BDO), polytetramethylene ether glycol (PTMEG) and spandex industry is being driven by the products' increasing demand in the production of elastic fibres such as spandex (elastane), required for stretchable fabrics, and for polyurethane resins. PTMEG is used to produce polyurethanes of high quality with enhanced features such as hydrolysis and microbes, excellent performance at low temperatures, and high resistance to abrasion and physical wear. To produce PTMEG, the drug formulations with 1, 4-butanediol (BDO) is increasingly being used and adopted. With the implementation of many legislative policies and actions concerning the safe execution of BDO, the demand for the product is steadily increasing.

### **1,4-Butanediol (BDO), Polytetramethylene Ether Glycol (PTMEG) and Spandex: Market Segmentation**

Polytetramethylene ether glycol (PTMEG) or polytetramethylene oxide (PTMO) is a linear polymer derived via acid-catalysed polymerisation of tetrahydrofuran (THF). It is primarily used to make elastomeric polyurethane fibres such as spandex. PTMEG can be considered a polymer of tetrahydrofuran, or a polyether derived from 1,4-butanediol as THF is produced via the acid-catalysed dehydration of 1,4-butanediol (BDO), which is one of the most widely used industrial process for THF's production. The global 1,4-butanediol (BDO), polytetramethylene ether glycol (PTMEG), and spandex industry can be segmented into product type and region.

Based on its product type, the global 1,4-butanediol (BDO), polytetramethylene ether glycol (PTMEG) and spandex market is segmented into:

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

- BDO
- PTMEG
- Spandex

Looks into the regional markets of 1,4-butanediol (BDO), polytetramethylene ether glycol (PTMEG) and spandex like:

- North America
- Europe
- Asia Pacific
- Latin America
- Middle East and Africa

#### Market Analysis

Increasing sports activities and the rising awareness regarding fitness and healthy lifestyles are expected to drive the growth of the global 1,4-butanediol (BDO), polytetramethylene ether glycol (PTMEG) and spandex industry. Due to the growing population in the Asia Pacific, the region is expected to emerge as a significant market for the product, further enhancing the overall development of 1,4-butanediol (BDO), polytetramethylene ether glycol (PTMEG) and spandex industry. Further, the industry is also supported by the increased demand for sustainable and bio-based feedstocks, thriving textile and apparel industry, rising disposable income, and growing end-use sectors for the products.

#### Key Industry Players in the Global 1,4-Butanediol (BDO), Polytetramethylene Ether Glycol (PTMEG) and Spandex Market

The report gives a detailed analysis of the following key players in the global market for 1,4-butanediol (BDO), polytetramethylene ether glycol (PTMEG) and spandex, covering their competitive landscape, capacity, and latest developments like mergers, acquisitions, and investments, expansions of capacity, and plant turnarounds:

- Mitsui Chemicals, Inc.
- BASF SE
- Saudi International Petrochemical Company
- DuPont de Nemours, Inc. (NYSE: DD)
- Ashland Global Specialty Chemicals Inc.
- LyondellBasell Industries N.V.
- BioAmber Inc.
- Saudi International Petrochemical Company
- Others

The comprehensive EMR report provides an in-depth assessment of the market based on the Porter's five forces model along with giving a SWOT analysis.

#### Table of Contents:

- 1 Executive Summary
- 1.1 Market Size 2024-2025
- 1.2 Market Growth 2025(F)-2034(F)
- 1.3 Key Demand Drivers

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 1.4 Key Players and Competitive Structure
- 1.5 Industry Best Practices
- 1.6 Recent Trends and Developments
- 1.7 Industry Outlook
- 2 Market Overview and Stakeholder Insights
  - 2.1 Market Trends
  - 2.2 Key Verticals
  - 2.3 Key Regions
  - 2.4 Supplier Power
  - 2.5 Buyer Power
  - 2.6 Key Market Opportunities and Risks
  - 2.7 Key Initiatives by Stakeholders
- 3 Economic Summary
  - 3.1 GDP Outlook
  - 3.2 GDP Per Capita Growth
  - 3.3 Inflation Trends
  - 3.4 Democracy Index
  - 3.5 Gross Public Debt Ratios
  - 3.6 Balance of Payment (BoP) Position
  - 3.7 Population Outlook
  - 3.8 Urbanisation Trends
- 4 Country Risk Profiles
  - 4.1 Country Risk
  - 4.2 Business Climate
- 5 Global 1,4-Butanediol (BDO), Polytetramethylene Ether Glycol (PTMEG) and Spandex Market Analysis
  - 5.1 Key Industry Highlights
  - 5.2 Global 1,4-Butanediol (BDO), Polytetramethylene Ether Glycol (PTMEG) and Spandex Historical Market (2018-2024)
  - 5.3 Global 1,4-Butanediol (BDO), Polytetramethylene Ether Glycol (PTMEG) and Spandex Market Forecast (2025-2034)
  - 5.4 Global 1,4-Butanediol (BDO), Polytetramethylene Ether Glycol (PTMEG) and Spandex Market by Product Type
    - 5.4.1 BDO
      - 5.4.1.1 Historical Trend (2018-2024)
      - 5.4.1.2 Forecast Trend (2025-2034)
    - 5.4.2 PTMEG
      - 5.4.2.1 Historical Trend (2018-2024)
      - 5.4.2.2 Forecast Trend (2025-2034)
    - 5.4.3 Spandex
      - 5.4.3.1 Historical Trend (2018-2024)
      - 5.4.3.2 Forecast Trend (2025-2034)
  - 5.5 Global 1,4-Butanediol (BDO), Polytetramethylene Ether Glycol (PTMEG) and Spandex Market by Region
    - 5.5.1 North America
      - 5.5.1.1 Historical Trend (2018-2024)
      - 5.5.1.2 Forecast Trend (2025-2034)
    - 5.5.2 Europe
      - 5.5.2.1 Historical Trend (2018-2024)
      - 5.5.2.2 Forecast Trend (2025-2034)
    - 5.5.3 Asia Pacific
      - 5.5.3.1 Historical Trend (2018-2024)

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

- 5.5.3.2 Forecast Trend (2025-2034)
- 5.5.4 Latin America
  - 5.5.4.1 Historical Trend (2018-2024)
  - 5.5.4.2 Forecast Trend (2025-2034)
- 5.5.5 Middle East and Africa
  - 5.5.5.1 Historical Trend (2018-2024)
  - 5.5.5.2 Forecast Trend (2025-2034)
- 6 North America 1,4-Butanediol (BDO), Polytetramethylene Ether Glycol (PTMEG) and Spandex Market Analysis
  - 6.1 United States of America
    - 6.1.1 Historical Trend (2018-2024)
    - 6.1.2 Forecast Trend (2025-2034)
  - 6.2 Canada
    - 6.2.1 Historical Trend (2018-2024)
    - 6.2.2 Forecast Trend (2025-2034)
- 7 Europe 1,4-Butanediol (BDO), Polytetramethylene Ether Glycol (PTMEG) and Spandex Market Analysis
  - 7.1 United Kingdom
    - 7.1.1 Historical Trend (2018-2024)
    - 7.1.2 Forecast Trend (2025-2034)
  - 7.2 Germany
    - 7.2.1 Historical Trend (2018-2024)
    - 7.2.2 Forecast Trend (2025-2034)
  - 7.3 France
    - 7.3.1 Historical Trend (2018-2024)
    - 7.3.2 Forecast Trend (2025-2034)
  - 7.4 Italy
    - 7.4.1 Historical Trend (2018-2024)
    - 7.4.2 Forecast Trend (2025-2034)
  - 7.5 Others
- 8 Asia Pacific 1,4-Butanediol (BDO), Polytetramethylene Ether Glycol (PTMEG) and Spandex Market Analysis
  - 8.1 China
    - 8.1.1 Historical Trend (2018-2024)
    - 8.1.2 Forecast Trend (2025-2034)
  - 8.2 Japan
    - 8.2.1 Historical Trend (2018-2024)
    - 8.2.2 Forecast Trend (2025-2034)
  - 8.3 India
    - 8.3.1 Historical Trend (2018-2024)
    - 8.3.2 Forecast Trend (2025-2034)
  - 8.4 ASEAN
    - 8.4.1 Historical Trend (2018-2024)
    - 8.4.2 Forecast Trend (2025-2034)
  - 8.5 Australia
    - 8.5.1 Historical Trend (2018-2024)
    - 8.5.2 Forecast Trend (2025-2034)
  - 8.6 Others
- 9 Latin America 1,4-Butanediol ( BDO), Polytetramethylene Ether Glycol (PTMEG) and Spandex Market Analysis
  - 9.1 Brazil

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

9.1.1 Historical Trend (2018-2024)	
9.1.2 Forecast Trend (2025-2034)	
9.2 Argentina	
9.2.1 Historical Trend (2018-2024)	
9.2.2 Forecast Trend (2025-2034)	
9.3 Mexico	
9.3.1 Historical Trend (2018-2024)	
9.3.2 Forecast Trend (2025-2034)	
9.4 Others	
10 Middle East and Africa 1,4-Butanediol (BDO), Polytetramethylene Ether Glycol (PTMEG) and Spandex Market Analysis	
10.1 Saudi Arabia	
10.1.1 Historical Trend (2018-2024)	
10.1.2 Forecast Trend (2025-2034)	
10.2 United Arab Emirates	
10.2.1 Historical Trend (2018-2024)	
10.2.2 Forecast Trend (2025-2034)	
10.3 Nigeria	
10.3.1 Historical Trend (2018-2024)	
10.3.2 Forecast Trend (2025-2034)	
10.4 South Africa	
10.4.1 Historical Trend (2018-2024)	
10.4.2 Forecast Trend (2025-2034)	
10.5 Others	
11 Market Dynamics	
11.1 SWOT Analysis	
11.1.1 Strengths	
11.1.2 Weaknesses	
11.1.3 Opportunities	
11.1.4 Threats	
11.2 Porter's Five Forces Analysis	
11.2.1 Supplier's Power	
11.2.2 Buyer's Power	
11.2.3 Threat of New Entrants	
11.2.4 Degree of Rivalry	
11.2.5 Threat of Substitutes	
11.3 Key Indicators for Demand	
11.4 Key Indicators for Price	
12 Value Chain Analysis	
13 Price Analysis	
14 Procurement Insights	
14.1 Contract Terms	
14.2 Cost Structure	
14.2.1 Raw Material	
14.2.2 Utility	
14.2.3 Labour Cost	
14.2.4 Fixed Cost	
14.3 Pricing Model	

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

- 14.4 Vendor Selection Criteria
- 14.5 Supplier and Buyer Power at Regional Level
  - 14.5.1 Demand
  - 14.5.2 Supply
  - 14.5.3 Raw Material/Feedstock Availability
  - 14.5.4 Supplier Power
  - 14.5.5 Buyer Power
- 14.6 Procurement Strategy: Best Practices
- 15 Competitive Landscape
  - 15.1 Supplier Selection
  - 15.2 Key Global Players
  - 15.3 Key Regional Players
  - 15.4 Key Player Strategies
  - 15.5 Company Profiles
    - 15.5.1 Mitsui Chemicals, Inc.
      - 15.5.1.1 Company Overview
      - 15.5.1.2 Product Portfolio
      - 15.5.1.3 Demographic Reach and Achievements
      - 15.5.1.4 Certifications
    - 15.5.2 BASF SE
      - 15.5.2.1 Company Overview
      - 15.5.2.2 Product Portfolio
      - 15.5.2.3 Demographic Reach and Achievements
      - 15.5.2.4 Certifications
    - 15.5.3 DuPont de Nemours, Inc.
      - 15.5.3.1 Company Overview
      - 15.5.3.2 Product Portfolio
      - 15.5.3.3 Demographic Reach and Achievements
      - 15.5.3.4 Certifications
    - 15.5.4 Ashland Global Specialty Chemicals Inc.
      - 15.5.4.1 Company Overview
      - 15.5.4.2 Product Portfolio
      - 15.5.4.3 Demographic Reach and Achievements
      - 15.5.4.4 Certifications
    - 15.5.5 BioAmber Inc.
      - 15.5.5.1 Company Overview
      - 15.5.5.2 Product Portfolio
      - 15.5.5.3 Demographic Reach and Achievements
      - 15.5.5.4 Certifications
    - 15.5.6 Saudi International Petrochemical Company
      - 15.5.6.1 Company Overview
      - 15.5.6.2 Product Portfolio
      - 15.5.6.3 Demographic Reach and Achievements
      - 15.5.6.4 Certifications
    - 15.5.7 LyondellBasell Industries Holdings B.V.
      - 15.5.7.1 Company Overview
      - 15.5.7.2 Product Portfolio

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

15.5.7.3 Demographic Reach and Achievements

15.5.7.4 Certifications

15.5.8 Others

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

## 1,4-Butanediol (BDO), Polytetramethylene Ether Glycol (PTMEG) and Spandex Market Report and Forecast 2025-2034

Market Report | 2025-08-13 | 160 pages | EMR Inc.

To place an Order with Scotts International:

- ☐ - Print this form
- ☐ - Complete the relevant blank fields and sign
- ☐ - Send as a scanned email to support@scotts-international.com

### ORDER FORM:

Select license	License	Price
	Single User License	\$3599.00
	Five User License	\$4249.00
	Corporate License	\$5099.00
		VAT
		Total

\*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

☐ \*\* VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2026-02-19"/>
		Signature	

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com





**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)  
[www.scotts-international.com](http://www.scotts-international.com)