

1 3 Butanediol Market Research Report By Grade (Industrial Grade, Pharmaceutical Grade), By Application (Polyester Butanediol Terephthalate (PBT), Polybutylene Terephthalate (PBT), Polytetramethylene Ether Glycol (PTMEG), Gamma-Butyrolactone (GBL), 1,4-Butanediol (BDO)), By End-User Industry (Automotive, Electrical Electronics, Packaging, Construction, Pharmaceuticals), By Distribution Channel (Direct Sales, Distributors, E-commerce) and By Regional (North America, Europe, South America, Asia Pacific, Middle East and Africa) Forecast till 2035

Market Report | 2025-11-12 | 111 pages | Market Research Future

AVAILABLE LICENSES:

- Single User Price \$4950.00
- Enterprisewide Price \$7250.00

Report description:

The 1,3-Butanediol Market is projected to reach USD 1,650.92 billion by 2035, expanding at a CAGR of 3.71% during 2025-2035. The 1,3-Butanediol market is driven by the trends in sustainability, increasing demand for cosmetics and pharmaceuticals. North America is the largest market while the Asia-Pacific region is experiencing the fastest growth.

Growth in Bio-based Chemical Production

Industries are increasingly incorporating bio-based chemicals to lessen their carbon footprint, thus the production of bio-based chemicals is growing which leads to the rise of 1,3-Butanediol market. Because of its bio-based origin, it supports sustainability making demand higher in applications such as the production of plastics and solvents.

Market Segmentation Overview

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By Grade

- Industrial Grade - Widely used for large-scale manufacturing
- Pharmaceutical Grade - High purity for medical formulations

By Application

- Polyester Butanediol Terephthalate (PBT) - Engineering plastics for automotive uses
- Polybutylene Terephthalate (PBT) - Electrical and electronics components
- Polytetramethylene Ether Glycol (PTMEG) - Elastomers and spandex production
- Gamma-Butyrolactone (GBL) - Solvents and chemical intermediates
- 1,4-Butanediol (BDO) - Key input for polymers

By End-User Industry

- Automotive - Lightweight and durable component manufacturing
- Electrical & Electronics - Insulation and high-performance materials
- Packaging - Flexible and rigid packaging solutions
- Construction - Adhesives, sealants, and coatings
- Pharmaceuticals - Drug formulations and intermediates

By Distribution Channel

- Direct Sales - Bulk supply to manufacturers
- Distributors - Regional and small-scale supply
- E-commerce - Growing online chemical procurement

Regional Analysis

The Middle East and Africa are responsible for around 5% market share of 1,3-Butanediol, which is attributed to the availability of raw materials and the growing chemical sector investments. The local production initiatives and rising government support are likely to increase demand and exports in the coming years.

Strategic Market Overview

The 1,3-Butanediol market is changing very fast due to the increase in demand for sustainable and bio-based products and the cosmetics, pharmaceutical, and plastics industries' growing usage of these materials. Improved production methods and government regulations, which are beneficial to the industry, are also bringing higher levels of efficiency, innovation, and long-term growth opportunities.

Key Report Attributes

- Market Size 2024: USD 1105.62 Billion
- Market Size 2035: USD 1650.92 Billion
- CAGR (2025-2035): 3.71%
- Base Year: 2024
- Market Forecast Period: 2025-2035

Industry Segmentations Growth

- By Grade: Industrial Grade, Pharmaceutical Grade.
- By Application: Polyester Butanediol Terephthalate (PBT), Polybutylene Terephthalate (PBT), Polytetramethylene Ether Glycol (PTMEG), Gamma-Butyrolactone (GBL), 1,4-Butanediol (BDO).
- By End-User Industry: Automotive, Electrical Electronics, Packaging, Construction, Pharmaceuticals.
- By Distribution Channel: Direct Sales, Distributors, E-commerce.

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