

# Global (North America, Europe and Asia-Pacific, South America, Middle East and Africa) 1,3-Butanediol Market 2017 Forecast to 2022

<https://marketpublishers.com/r/GDP2LNYIOLEN.html>

Date: March 2017

Pages: 122

Price: US\$ 4,880.00 (Single User License)

ID: GDP2LNYIOLEN

## Abstracts

1,3-Butanediol (also known as 1,3-butylene glycol, butane-1,3-diol, or 1,3-dihydroxybutane) is a diol used as a chemical intermediate in the manufacture of polyester plasticizers and other products. It finds some use as a solvent for flavorings and as a humectant in pet foods, tobacco and cosmetics. It is one of four stable structural isomers of butanediol. In biology, 1,3-butanediol is used as a hypoglycaemic agent. 1,3-Butanediol can be converted into  $\beta$ -hydroxybutyrate and serve as a substrate for brain metabolism.

Scope of the Report:

This report focuses on the 1,3-Butanediol in Global market, especially in North America, Europe and Asia-Pacific, South America, Middle East and Africa. This report categorizes the market based on manufacturers, regions, type and application.

Market Segment by Manufacturers, this report covers

OXEA

DAICEL

KH Neochem

Market Segment by Regions, regional analysis covers

North America (USA, Canada and Mexico)

Europe (Germany, France, UK, Russia and Italy)

Asia-Pacific (China, Japan, Korea, India and Southeast Asia)

South America (Brazil, Argentina, Columbia etc.)

Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa)

Market Segment by Type, covers

Chemical synthesis

Fermentation

Market Segment by Applications, can be divided into

Cosmetic

Industrial

There are 15 Chapters to deeply display the global 1,3-Butanediol market.

Chapter 1, to describe 1,3-Butanediol Introduction, product scope, market overview, market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of 1,3-Butanediol, with sales, revenue, and price of 1,3-Butanediol, in 2016 and 2017;

Chapter 3, to display the competitive situation among the top manufacturers, with sales, revenue and market share in 2016 and 2017;

Chapter 4, to show the global market by regions, with sales, revenue and market share of 1,3-Butanediol, for each region, from 2012 to 2017;

Chapter 5, 6, 7, 8 and 9, to analyze the market by countries, by type, by application and by manufacturers, with sales, revenue and market share by key countries in these regions;

Chapter 10 and 11, to show the market by type and application, with sales market share and growth rate by type, application, from 2012 to 2017;

Chapter 12, 1,3-Butanediol market forecast, by regions, type and application, with sales and revenue, from 2017 to 2022;

Chapter 13, 14 and 15, to describe 1,3-Butanediol sales channel, distributors, traders, dealers, Research Findings and Conclusion, appendix and data source

## Contents

### 1 MARKET OVERVIEW

- 1.1 1,3-Butanediol Introduction
- 1.2 Market Analysis by Type
  - 1.2.1 Chemical synthesis
  - 1.2.2 Fermentation
- 1.3 Market Analysis by Applications
  - 1.3.1 Cosmetic
  - 1.3.2 Industrial
- 1.4 Market Analysis by Regions
  - 1.4.1 North America (USA, Canada and Mexico)
    - 1.4.1.1 USA Market States and Outlook (2012-2022)
    - 1.4.1.2 Canada Market States and Outlook (2012-2022)
    - 1.4.1.3 Mexico Market States and Outlook (2012-2022)
  - 1.4.2 Europe (Germany, France, UK, Russia and Italy)
    - 1.4.2.1 Germany Market States and Outlook (2012-2022)
    - 1.4.2.2 France Market States and Outlook (2012-2022)
    - 1.4.2.3 UK Market States and Outlook (2012-2022)
    - 1.4.2.4 Russia Market States and Outlook (2012-2022)
    - 1.4.2.5 Italy Market States and Outlook (2012-2022)
  - 1.4.3 Asia-Pacific (China, Japan, Korea, India and Southeast Asia)
    - 1.4.3.1 China Market States and Outlook (2012-2022)
    - 1.4.3.2 Japan Market States and Outlook (2012-2022)
    - 1.4.3.3 Korea Market States and Outlook (2012-2022)
    - 1.4.3.4 India Market States and Outlook (2012-2022)
    - 1.4.3.5 Southeast Asia Market States and Outlook (2012-2022)
  - 1.4.4 South America, Middle East and Africa
    - 1.4.4.1 Brazil Market States and Outlook (2012-2022)
    - 1.4.4.2 Egypt Market States and Outlook (2012-2022)
    - 1.4.4.3 Saudi Arabia Market States and Outlook (2012-2022)
    - 1.4.4.4 South Africa Market States and Outlook (2012-2022)
    - 1.4.4.5 Nigeria Market States and Outlook (2012-2022)
- 1.5 Market Dynamics
  - 1.5.1 Market Opportunities
  - 1.5.2 Market Risk
  - 1.5.3 Market Driving Force

## **2 MANUFACTURERS PROFILES**

### **2.1 OXEA**

#### 2.1.1 Business Overview

#### 2.1.2 1,3-Butanediol Type and Applications

##### 2.1.2.1 Type

##### 2.1.2.2 Type

#### 2.1.3 OXEA 1,3-Butanediol Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

### **2.2 DAICEL**

#### 2.2.1 Business Overview

#### 2.2.2 1,3-Butanediol Type and Applications

##### 2.2.2.1 Type

##### 2.2.2.2 Type

#### 2.2.3 DAICEL 1,3-Butanediol Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

### **2.3 KH Neochem**

#### 2.3.1 Business Overview

#### 2.3.2 1,3-Butanediol Type and Applications

##### 2.3.2.1 Type

##### 2.3.2.2 Type

#### 2.3.3 KH Neochem 1,3-Butanediol Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

## **3 GLOBAL 1,3-BUTANEDIOL MARKET COMPETITION, BY MANUFACTURER**

### 3.1 Global 1,3-Butanediol Sales and Market Share by Manufacturer (2016-2017)

### 3.2 Global 1,3-Butanediol Revenue and Market Share by Manufacturer (2016-2017)

### 3.3 Global 1,3-Butanediol Price by Manufacturer (2016-2017)

### 3.4 Market Concentration Rate

#### 3.4.1 Top 3 1,3-Butanediol Manufacturer Market Share

#### 3.4.2 Top 5 1,3-Butanediol Manufacturer Market Share

### 3.5 Market Competition Trend

## **4 GLOBAL 1,3-BUTANEDIOL MARKET ANALYSIS BY REGIONS**

### 4.1 Global 1,3-Butanediol Sales, Revenue and Market Share by Regions

#### 4.1.1 Global 1,3-Butanediol Sales by Regions (2012-2017)

#### 4.1.2 Global 1,3-Butanediol Revenue by Regions (2012-2017)

- 4.2 North America 1,3-Butanediol Sales and Growth (2012-2017)
- 4.3 Europe 1,3-Butanediol Sales and Growth (2012-2017)
- 4.4 Asia-Pacific 1,3-Butanediol Sales and Growth (2012-2017)
- 4.5 South America 1,3-Butanediol Sales and Growth (2012-2017)
- 4.6 Middle East and Africa 1,3-Butanediol Sales and Growth (2012-2017)

## **5 NORTH AMERICA 1,3-BUTANEDIOL BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS**

- 5.1 North America 1,3-Butanediol Sales, Revenue and Market Share by Countries
  - 5.1.1 North America 1,3-Butanediol Sales by Countries (2012-2017)
  - 5.1.2 North America 1,3-Butanediol Revenue by Countries (2012-2017)
  - 5.1.3 USA 1,3-Butanediol Sales and Growth (2012-2017)
  - 5.1.4 Canada 1,3-Butanediol Sales and Growth (2012-2017)
  - 5.1.5 Mexico 1,3-Butanediol Sales and Growth (2012-2017)
- 5.2 North America 1,3-Butanediol Sales and Revenue (value) by Manufacturers (2016-2017)
  - 5.2.1 North America 1,3-Butanediol Sales by Manufacturers (2016-2017)
  - 5.2.2 North America 1,3-Butanediol Revenue by Manufacturers (2016-2017)
- 5.3 North America 1,3-Butanediol Sales by Type (2012-2017)
- 5.4 North America 1,3-Butanediol Sales by Application (2012-2017)

## **6 EUROPE 1,3-BUTANEDIOL BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS**

- 6.1 Europe 1,3-Butanediol Sales, Revenue and Market Share by Countries
  - 6.1.1 Europe 1,3-Butanediol Sales by Countries (2012-2017)
  - 6.1.2 Europe 1,3-Butanediol Revenue by Countries (2012-2017)
  - 6.1.3 Germany 1,3-Butanediol Sales and Growth (2012-2017)
  - 6.1.4 UK 1,3-Butanediol Sales and Growth (2012-2017)
  - 6.1.5 France 1,3-Butanediol Sales and Growth (2012-2017)
  - 6.1.6 Russia 1,3-Butanediol Sales and Growth (2012-2017)
  - 6.1.7 Italy 1,3-Butanediol Sales and Growth (2012-2017)
- 6.2 Europe 1,3-Butanediol Sales and Revenue (value) by Manufacturers (2016-2017)
  - 6.2.1 Europe 1,3-Butanediol Sales by Manufacturers (2016-2017)
  - 6.2.2 Europe 1,3-Butanediol Revenue by Manufacturers (2016-2017)
- 6.3 Europe 1,3-Butanediol Sales by Type (2012-2017)
- 6.4 Europe 1,3-Butanediol Sales by Application (2012-2017)

## **7 ASIA-PACIFIC 1,3-BUTANEDIOL BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS**

### 7.1 Asia-Pacific 1,3-Butanediol Sales, Revenue and Market Share by Countries

7.1.1 Asia-Pacific 1,3-Butanediol Sales by Countries (2012-2017)

7.1.2 Asia-Pacific 1,3-Butanediol Revenue by Countries (2012-2017)

7.1.3 China 1,3-Butanediol Sales and Growth (2012-2017)

7.1.4 Japan 1,3-Butanediol Sales and Growth (2012-2017)

7.1.5 Korea 1,3-Butanediol Sales and Growth (2012-2017)

7.1.6 India 1,3-Butanediol Sales and Growth (2012-2017)

7.1.7 Southeast Asia 1,3-Butanediol Sales and Growth (2012-2017)

### 7.2 Asia-Pacific 1,3-Butanediol Sales and Revenue (value) by Manufacturers (2016-2017)

7.2.1 Asia-Pacific 1,3-Butanediol Sales by Manufacturers (2016-2017)

7.2.2 Asia-Pacific 1,3-Butanediol Revenue by Manufacturers (2016-2017)

### 7.3 Asia-Pacific 1,3-Butanediol Sales by Type (2012-2017)

### 7.4 Asia-Pacific 1,3-Butanediol Sales by Application (2012-2017)

## **8 SOUTH AMERICA 1,3-BUTANEDIOL BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS**

### 8.1 South America 1,3-Butanediol Sales, Revenue and Market Share by Countries

8.1.1 South America 1,3-Butanediol Sales by Countries (2012-2017)

8.1.2 South America 1,3-Butanediol Revenue by Countries (2012-2017)

8.1.3 Brazil 1,3-Butanediol Sales and Growth (2012-2017)

8.1.4 Argentina 1,3-Butanediol Sales and Growth (2012-2017)

8.1.5 Columbia 1,3-Butanediol Sales and Growth (2012-2017)

### 8.2 South America 1,3-Butanediol Sales and Revenue (value) by Manufacturers (2016-2017)

8.2.1 South America 1,3-Butanediol Sales by Manufacturers (2016-2017)

8.2.2 South America 1,3-Butanediol Revenue by Manufacturers (2016-2017)

### 8.3 South America 1,3-Butanediol Sales by Type (2012-2017)

### 8.4 South America 1,3-Butanediol Sales by Application (2012-2017)

## **9 MIDDLE EAST AND AFRICA 1,3-BUTANEDIOL BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS**

### 9.1 Middle East and Africa 1,3-Butanediol Sales, Revenue and Market Share by Countries



- 9.1.1 Middle East and Africa 1,3-Butanediol Sales by Countries (2012-2017)
- 9.1.2 Middle East and Africa 1,3-Butanediol Revenue by Countries (2012-2017)
- 9.1.3 Saudi Arabia 1,3-Butanediol Sales and Growth (2012-2017)
- 9.1.4 UAE 1,3-Butanediol Sales and Growth (2012-2017)
- 9.1.5 Egypt 1,3-Butanediol Sales and Growth (2012-2017)
- 9.1.6 Nigeria 1,3-Butanediol Sales and Growth (2012-2017)
- 9.1.7 South Africa 1,3-Butanediol Sales and Growth (2012-2017)
- 9.2 Middle East and Africa 1,3-Butanediol Sales and Revenue (value) by Manufacturers (2016-2017)
  - 9.2.1 Middle East and Africa 1,3-Butanediol Sales by Manufacturers (2016-2017)
  - 9.2.2 Middle East and Africa 1,3-Butanediol Revenue by Manufacturers (2016-2017)
- 9.3 Middle East and Africa 1,3-Butanediol Sales by Type (2012-2017)
- 9.4 Middle East and Africa 1,3-Butanediol Sales by Application (2012-2017)

## **10 GLOBAL 1,3-BUTANEDIOL MARKET SEGMENT BY TYPE**

- 10.1 Global 1,3-Butanediol Sales, Revenue and Market Share by Type (2012-2017)
  - 10.1.1 Global 1,3-Butanediol Sales and Market Share by Type (2012-2017)
  - 10.1.2 Global 1,3-Butanediol Revenue and Market Share by Type (2012-2017)
- 10.2 Chemical synthesis Sales Growth and Price
  - 10.2.1 Global Chemical synthesis Sales Growth (2012-2017)
  - 10.2.2 Global Chemical synthesis Price (2012-2017)
- 10.3 Fermentation Sales Growth and Price
  - 10.3.1 Global Fermentation Sales Growth (2012-2017)
  - 10.3.2 Global Fermentation Price (2012-2017)

## **11 GLOBAL 1,3-BUTANEDIOL MARKET SEGMENT BY APPLICATION**

- 11.1 Global 1,3-Butanediol Sales Market Share by Application (2012-2017)
- 11.2 Cosmetic Sales Growth (2012-2017)
- 11.3 Industrial Sales Growth (2012-2017)

## **12 1,3-BUTANEDIOL MARKET FORECAST (2017-2022)**

- 12.1 Global 1,3-Butanediol Sales, Revenue and Growth Rate (2017-2022)
- 12.2 1,3-Butanediol Market Forecast by Regions (2017-2022)
  - 12.2.1 North America 1,3-Butanediol Market Forecast (2017-2022)
  - 12.2.2 Europe 1,3-Butanediol Market Forecast (2017-2022)
  - 12.2.3 Asia-Pacific 1,3-Butanediol Market Forecast (2017-2022)



- 12.2.4 South America 1,3-Butanediol Market Forecast (2017-2022)
- 12.2.5 Middle East and Africa 1,3-Butanediol Market Forecast (2017-2022)
- 12.3 1,3-Butanediol Market Forecast by Type (2017-2022)
- 12.4 1,3-Butanediol Market Forecast by Application (2017-2022)

## **13 SALES CHANNEL, DISTRIBUTORS, TRADERS AND DEALERS**

- 13.1 Sales Channel
  - 13.1.1 Direct Marketing
  - 13.1.2 Indirect Marketing
  - 13.1.3 Marketing Channel Future Trend
- 13.2 Distributors, Traders and Dealers

## **14 RESEARCH FINDINGS AND CONCLUSION**

## **15 APPENDIX**

- 15.1 Methodology
- 15.2 Analyst Introduction
- 15.3 Data Source

## List Of Tables

### LIST OF TABLES AND FIGURES

Figure 1,3-Butanediol Picture

Table Product Specifications of 1,3-Butanediol

Figure Global Sales Market Share of 1,3-Butanediol by Types in 2016

Table 1,3-Butanediol Types for Major Manufacturers

Figure Chemical synthesis Picture

Figure Fermentation Picture

Table 1,3-Butanediol Sales Market Share by Applications in 2016

Figure Cosmetic Picture

Figure Industrial Picture

Figure USA 1,3-Butanediol Revenue (Value) and Growth Rate (2012-2022)

Figure Canada 1,3-Butanediol Revenue (Value) and Growth Rate (2012-2022)

Figure Mexico 1,3-Butanediol Revenue (Value) and Growth Rate (2012-2022)

Figure Germany 1,3-Butanediol Revenue (Value) and Growth Rate (2012-2022)

Figure France 1,3-Butanediol Revenue (Value) and Growth Rate (2012-2022)

Figure UK 1,3-Butanediol Revenue (Value) and Growth Rate (2012-2022)

Figure Russia 1,3-Butanediol Revenue (Value) and Growth Rate (2012-2022)

Figure Italy 1,3-Butanediol Revenue (Value) and Growth Rate (2012-2022)

Figure China 1,3-Butanediol Revenue (Value) and Growth Rate (2012-2022)

Figure Japan 1,3-Butanediol Revenue (Value) and Growth Rate (2012-2022)

Figure Korea 1,3-Butanediol Revenue (Value) and Growth Rate (2012-2022)

Figure India 1,3-Butanediol Revenue (Value) and Growth Rate (2012-2022)

Figure Southeast Asia 1,3-Butanediol Revenue (Value) and Growth Rate (2012-2022)

Figure Brazil 1,3-Butanediol Revenue (Value) and Growth Rate (2012-2022)

Figure Egypt 1,3-Butanediol Revenue (Value) and Growth Rate (2012-2022)

Figure Saudi Arabia 1,3-Butanediol Revenue (Value) and Growth Rate (2012-2022)

Figure South Africa 1,3-Butanediol Revenue (Value) and Growth Rate (2012-2022)

Figure Nigeria 1,3-Butanediol Revenue (Value) and Growth Rate (2012-2022)

Table OXEA Basic Information, Manufacturing Base and Competitors

Table OXEA 1,3-Butanediol Type and Applications

Table OXEA 1,3-Butanediol Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Table DAICEL Basic Information, Manufacturing Base and Competitors

Table DAICEL 1,3-Butanediol Type and Applications

Table DAICEL 1,3-Butanediol Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Table KH Neochem Basic Information, Manufacturing Base and Competitors  
Table KH Neochem 1,3-Butanediol Type and Applications  
Table KH Neochem 1,3-Butanediol Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)  
Table Global 1,3-Butanediol Sales by Manufacturer (2016-2017)  
Figure Global 1,3-Butanediol Sales Market Share by Manufacturer in 2016  
Figure Global 1,3-Butanediol Sales Market Share by Manufacturer in 2017  
Table Global 1,3-Butanediol Revenue by Manufacturer (2016-2017)  
Figure Global 1,3-Butanediol Revenue Market Share by Manufacturer in 2016  
Figure Global 1,3-Butanediol Revenue Market Share by Manufacturer in 2017  
Table Global 1,3-Butanediol Price by Manufacturer (2016-2017)  
Figure Global 1,3-Butanediol Sales and Growth (2012-2017)  
Figure Global 1,3-Butanediol Revenue and Growth (2012-2017)  
Table Global 1,3-Butanediol Sales by Regions (2012-2017)  
Table Global 1,3-Butanediol Sales Market Share by Regions (2012-2017)  
Table Global 1,3-Butanediol Revenue by Regions (2012-2017)  
Figure Global 1,3-Butanediol Revenue Market Share by Regions in 2012  
Figure Global 1,3-Butanediol Revenue Market Share by Regions in 2016  
Figure North America 1,3-Butanediol Sales and Growth (2012-2017)  
Figure Europe 1,3-Butanediol Sales and Growth (2012-2017)  
Figure Asia-Pacific 1,3-Butanediol Sales and Growth (2012-2017)  
Figure South America 1,3-Butanediol Sales and Growth (2012-2017)  
Figure Middle East and Africa 1,3-Butanediol Sales and Growth (2012-2017)  
Figure North America 1,3-Butanediol Revenue and Growth (2012-2017)  
Table North America 1,3-Butanediol Sales by Countries (2012-2017)  
Table North America 1,3-Butanediol Sales Market Share by Countries (2012-2017)  
Figure North America 1,3-Butanediol Sales Market Share by Countries in 2012  
Figure North America 1,3-Butanediol Sales Market Share by Countries in 2016  
Table North America 1,3-Butanediol Revenue by Countries (2012-2017)  
Table North America 1,3-Butanediol Revenue Market Share by Countries (2012-2017)  
Figure North America 1,3-Butanediol Revenue Market Share by Countries in 2012  
Figure North America 1,3-Butanediol Revenue Market Share by Countries in 2016  
Figure USA 1,3-Butanediol Sales and Growth (2012-2017)  
Figure Canada 1,3-Butanediol Sales and Growth (2012-2017)  
Figure Mexico 1,3-Butanediol Sales and Growth (2012-2017)  
Table North America 1,3-Butanediol Sales by Manufacturer (2016-2017)  
Figure North America 1,3-Butanediol Sales Market Share by Manufacturer in 2016  
Figure North America 1,3-Butanediol Sales Market Share by Manufacturer in 2017  
Table North America 1,3-Butanediol Revenue by Manufacturer (2016-2017)

Figure North America 1,3-Butanediol Revenue Market Share by Manufacturer in 2016  
Figure North America 1,3-Butanediol Revenue Market Share by Manufacturer in 2017  
Table North America 1,3-Butanediol Sales by Type (2012-2017)  
Table North America 1,3-Butanediol Sales Share by Type (2012-2017)  
Table North America 1,3-Butanediol Sales by Application (2012-2017)  
Table North America 1,3-Butanediol Sales Share by Application (2012-2017)  
Figure Europe 1,3-Butanediol Revenue and Growth (2012-2017)  
Table Europe 1,3-Butanediol Sales by Countries (2012-2017)  
Table Europe 1,3-Butanediol Sales Market Share by Countries (2012-2017)  
Table Europe 1,3-Butanediol Revenue by Countries (2012-2017)  
Table Europe 1,3-Butanediol Revenue Market Share by Countries in 2012  
Table Europe 1,3-Butanediol Revenue Market Share by Countries in 2016  
Figure Germany 1,3-Butanediol Sales and Growth (2012-2017)  
Figure UK 1,3-Butanediol Sales and Growth (2012-2017)  
Figure France 1,3-Butanediol Sales and Growth (2012-2017)  
Figure Russia 1,3-Butanediol Sales and Growth (2012-2017)  
Figure Italy 1,3-Butanediol Sales and Growth (2012-2017)  
Table Europe 1,3-Butanediol Sales by Manufacturer (2016-2017)  
Figure Europe 1,3-Butanediol Sales Market Share by Manufacturer in 2016  
Figure Europe 1,3-Butanediol Sales Market Share by Manufacturer in 2017  
Table Europe 1,3-Butanediol Revenue by Manufacturer (2016-2017)  
Figure Europe 1,3-Butanediol Revenue Market Share by Manufacturer in 2016  
Figure Europe 1,3-Butanediol Revenue Market Share by Manufacturer in 2017  
Table Europe 1,3-Butanediol Sales by Type (2012-2017)  
Table Europe 1,3-Butanediol Sales Share by Type (2012-2017)  
Table Europe 1,3-Butanediol Sales by Application (2012-2017)  
Table Europe 1,3-Butanediol Sales Share by Application (2012-2017)  
Figure Asia-Pacific 1,3-Butanediol Revenue and Growth (2012-2017)  
Table Asia-Pacific 1,3-Butanediol Sales by Countries (2012-2017)  
Table Asia-Pacific 1,3-Butanediol Sales Market Share by Countries (2012-2017)  
Table Asia-Pacific 1,3-Butanediol Sales Market Share by Countries (2012-2017)  
Table Asia-Pacific 1,3-Butanediol Revenue by Countries (2012-2017)  
Table Asia-Pacific 1,3-Butanediol Revenue Market Share by Countries (2012-2017)  
Figure China 1,3-Butanediol Sales and Growth (2012-2017)  
Figure Japan 1,3-Butanediol Sales and Growth (2012-2017)  
Figure Korea 1,3-Butanediol Sales and Growth (2012-2017)  
Figure India 1,3-Butanediol Sales and Growth (2012-2017)  
Figure Southeast Asia 1,3-Butanediol Sales and Growth (2012-2017)  
Table Asia-Pacific 1,3-Butanediol Sales by Manufacturer (2016-2017)

Figure Asia-Pacific 1,3-Butanediol Sales Market Share by Manufacturer in 2016  
Figure Asia-Pacific 1,3-Butanediol Sales Market Share by Manufacturer in 2017  
Table Asia-Pacific 1,3-Butanediol Revenue by Manufacturer (2016-2017)  
Figure Asia-Pacific 1,3-Butanediol Revenue Market Share by Manufacturer in 2016  
Figure Asia-Pacific 1,3-Butanediol Revenue Market Share by Manufacturer in 2017  
Table Asia-Pacific 1,3-Butanediol Sales by Type (2012-2017)  
Table Asia-Pacific 1,3-Butanediol Sales Share by Type (2012-2017)  
Table Asia-Pacific 1,3-Butanediol Sales by Application (2012-2017)  
Table Asia-Pacific 1,3-Butanediol Sales Share by Application (2012-2017)  
Figure South America 1,3-Butanediol Revenue and Growth (2012-2017)  
Table South America 1,3-Butanediol Sales by Countries (2012-2017)  
Table South America 1,3-Butanediol Sales Market Share by Countries (2012-2017)  
Figure South America 1,3-Butanediol Sales Market Share by Countries in 2016  
Table South America 1,3-Butanediol Revenue by Countries (2012-2017)  
Table South America 1,3-Butanediol Revenue Market Share by Countries (2012-2017)  
Figure South America 1,3-Butanediol Revenue Market Share by Countries in 2016  
Figure South America 1,3-Butanediol Revenue Market Share by Countries in 2017  
Figure Brazil 1,3-Butanediol Sales and Growth (2012-2017)  
Figure Argentina 1,3-Butanediol Sales and Growth (2012-2017)  
Figure Columbia 1,3-Butanediol Sales and Growth (2012-2017)  
Table South America 1,3-Butanediol Sales by Manufacturer (2016-2017)  
Figure South America 1,3-Butanediol Sales Market Share by Manufacturer in 2016  
Figure South America 1,3-Butanediol Sales Market Share by Manufacturer in 2017  
Table South America 1,3-Butanediol Revenue by Manufacturer (2016-2017)  
Figure South America 1,3-Butanediol Revenue Market Share by Manufacturer in 2016  
Figure South America 1,3-Butanediol Revenue Market Share by Manufacturer in 2017  
Table South America 1,3-Butanediol Sales by Type (2012-2017)  
Table South America 1,3-Butanediol Sales Share by Type (2012-2017)  
Table South America 1,3-Butanediol Sales by Application (2012-2017)  
Table South America 1,3-Butanediol Sales Share by Application (2012-2017)  
Figure Middle East and Africa 1,3-Butanediol Revenue and Growth (2012-2017)  
Table Middle East and Africa 1,3-Butanediol Sales by Countries (2012-2017)  
Table Middle East and Africa 1,3-Butanediol Sales Market Share by Countries (2012-2017)  
Figure Middle East and Africa 1,3-Butanediol Sales Market Share by Countries in 2016  
Table Middle East and Africa 1,3-Butanediol Revenue by Countries (2012-2017)  
Table Middle East and Africa 1,3-Butanediol Revenue Market Share by Countries (2012-2017)  
Figure Middle East and Africa 1,3-Butanediol Revenue Market Share by Countries in



2012

Figure Middle East and Africa 1,3-Butanediol Revenue Market Share by Countries in 2016

Figure Saudi Arabia 1,3-Butanediol Sales and Growth (2012-2017)

Figure UAE 1,3-Butanediol Sales and Growth (2012-2017)

Figure Egypt 1,3-Butanediol Sales and Growth (2012-2017)

Figure Nigeria 1,3-Butanediol Sales and Growth (2012-2017)

Figure South Africa 1,3-Butanediol Sales and Growth (2012-2017)

Table Middle East and Africa 1,3-Butanediol Sales by Manufacturer (2016-2017)

Figure Middle East and Africa 1,3-Butanediol Sales Market Share by Manufacturer in 2016

Figure Middle East and Africa 1,3-Butanediol Sales Market Share by Manufacturer in 2017

Table Middle East and Africa 1,3-Butanediol Revenue by Manufacturer (2016-2017)

Figure Middle East and Africa 1,3-Butanediol Revenue Market Share by Manufacturer in 2016

Figure Middle East and Africa 1,3-Butanediol Revenue Market Share by Manufacturer in 2017

Table Middle East and Africa 1,3-Butanediol Sales by Type (2012-2017)

Table Middle East and Africa 1,3-Butanediol Sales Share by Type (2012-2017)

Table Middle East and Africa 1,3-Butanediol Sales by Application (2012-2017)

Table Middle East and Africa 1,3-Butanediol Sales Share by Application (2012-2017)

Table Global 1,3-Butanediol Sales by Type (2012-2017)

Table Global 1,3-Butanediol Sales Share by Type (2012-2017)

Table Global 1,3-Butanediol Revenue by Type (2012-2017)

Table Global 1,3-Butanediol Revenue Share by Type (2012-2017)

Figure Global Chemical synthesis Sales Growth (2012-2017)

Figure Global Chemical synthesis Price (2012-2017)

Figure Global Fermentation Sales Growth (2012-2017)

Figure Global Fermentation Price (2012-2017)

Table Global 1,3-Butanediol Sales by Application (2012-2017)

Table Global 1,3-Butanediol Sales Share by Application (2012-2017)

Figure Global Cosmetic Sales Growth (2012-2017)

Figure Global Industrial Sales Growth (2012-2017)

Figure Global 1,3-Butanediol Sales, Revenue and Growth Rate (2017 -2022)

Table Global 1,3-Butanediol Sales Forecast by Regions (2017-2022)

Table Global 1,3-Butanediol Market Share Forecast by Regions (2017-2022)

Figure North America Sales 1,3-Butanediol Market Forecast (2017-2022)

Figure Europe Sales 1,3-Butanediol Market Forecast (2017-2022)

Figure Asia-Pacific Sales 1,3-Butanediol Market Forecast (2017-2022)  
Figure South America Sales 1,3-Butanediol Market Forecast (2017-2022)  
Figure Middle East and Africa Sales 1,3-Butanediol Market Forecast (2017-2022)  
Table Global 1,3-Butanediol Sales Forecast by Type (2017-2022)  
Table Global 1,3-Butanediol Market Share Forecast by Type (2017-2022)  
Table Global 1,3-Butanediol Sales Forecast by Application (2017-2022)  
Table Global 1,3-Butanediol Market Share Forecast by Application (2017-2022)  
Table Distributors/Traders/ Dealers List



## I would like to order

Product name: Global (North America, Europe and Asia-Pacific, South America, Middle East and Africa)  
1,3-Butanediol Market 2017 Forecast to 2022

Product link: <https://marketpublishers.com/r/GDP2LNYIOLEN.html>

Price: US\$ 4,880.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GDP2LNYIOLEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

