

# Global Gamma-Butyrolactone (GBL) Market Outlook to 2027

<https://marketpublishers.com/r/G532DB02F7F5EN.html>

Date: February 2022

Pages: 167

Price: US\$ 4,490.00 (Single User License)

ID: G532DB02F7F5EN

## Abstracts

Gamma-Butyrolactone (GBL) is the simplest 4-carbon lactone, a colorless liquid, miscible in water, and has a weak odor and is commonly used as an intermediate to produce other chemicals like methyl-2-pyrrolidone. According to BlueQuark Research & Consulting, the global Gamma-Butyrolactone market is expected to witness a significant growth rate during the forecasted period. Factors such as general uses of Gamma-Butyrolactone in the electrical and agrochemical industry are driving the Global Gamma-Butyrolactone market in the forecasted period. GBL is used as a parent chemical to produce herbicides and as a plant growth regulator. Properties like low freezing point and high boiling point make it a beneficial raw material for Electrical Industry. Therefore, it is used in batteries as various other solvents. Furthermore, its use is expected to increase in the dyeing and pharmaceutical industry, which is predicted to drive the demand of the Gamma-Butyrolactone (GBL) market in the forecasted period. However, the availability of substitutes in almost every sector and abusive uses of GBL as a drug have made all the countries regulate its flow in the market. So, this may restrain the Global Gamma-Butyrolactone GBL market in the forecast period.

Gamma-Butyrolactone is mainly produced in liquid form and is also used to manufacture herbicides capacitors as an intermediate in the manufacture of pyrrolidone, like a circuit board cleaner in electronics, paint strippers, nail polish remover. It is also used as a solvent for cellulose acetate, polyacrylonitrile, and polystyrene. Pharmaceutical uses of Gamma-Butyrolactone include causing relaxation, increasing mental clarity, improving sexual performance, reducing fat, and improving sleep. Though, most countries in the world have nearly banned or strictly regulated the medical uses of the compound as it can be used as an abusive drug.

Agriculture Industry is the prime consumer of Gamma-Butyrolactone and is expected to

remain at the top in consumption over the forecasted period. According to the World Health Organization (WHO), the world population is expected to surpass 8.2 billion by 2026, rapidly increasing food demand. The herbicides consumption became over 1.2 million tons in 2018; thus, the order in the Gamma-Butyrolactone industry was expanded. The United States makes up more than one-third of the global herbicide market, making it a great future market prospect for Gamma-Butyrolactone. The dependence of humans on technology is increasing with the increase in the population globally, as a result, it is hard to survive for any industry without computers and other electronic items and gadgets. Therefore, the increasing demand for computers and other electronic items which use small capacitors has surged the Global Gamma-Butyrolactone (GBL) Market. The rising use of batteries and capacitors in the automobile industry and the shift from petroleum to batteries also drive the Gamma-Butyrolactone market. International production and trade of Gamma-Butyrolactone is a minimum of the order hundreds of thousands of metric tons, and The United States alone produces in the order of 185,000 metric tons of Gamma-Butyrolactone. Gamma-Butyrolactone is a polar solvent used for ionic substrates. It works as an acid donor in aqueous media and high temperatures, thus making it very useful for the chemical industry hence driving the GBL market. Almost half of the total Gamma-Butyrolactone produced globally is consumed to produce Tetrahydrofuran (THF), a principal derivative of the compound. THF is an excellent solvent and is widely used for surface coating, film casting, printing inks, adhesives. Gamma-Butyrolactone is also in graphic films application. It can be used as a lithography developer by efficiently removing and dissolving partially polymerized photochemically active polymer not exposed to ultraviolet(negative image) or cured UV degraded coating (positive image). Therefore, Gamma-Butyrolactone can be used for dispersion and as finishing agents in Photography.

The Asia Pacific region is expected to be the most dominating region in terms of the production of Gamma-Butyrolactone, with most companies located in China and India. The Asia Pacific region is home to over 60% of the world's population. This growing population's food demand has been increasing since the last decade, so to meet the needs, pesticides, herbicides, and insecticides are utilized to maximize food output. This could benefit the Gamma-Butyrolactone market as it is an essential ingredient in manufacturing herbicides. As dyeing and printing require Gamma-Butyrolactone, its demand is expected to boost in the region. China keeping its status as the world's workshop is the world's largest producer and has a broad Gamma-Butyrolactone market in the area. The expansion in the agrochemical and chemical industry in the Asia Pacific region has increased demand and consumption. Increasing urbanization and industrialization and the high population of the country could very well be a key driver

for the Global Gamma-Butyrolactone Market. The Covid 19 outbreak has affected Global Gamma-Butyrolactone Market like every other market. Still, the pharmaceutical industry has surged the demand for Gamma-Butyrolactone after the pandemic in the global market.

The global GBL market was found to be consolidated. Some of the market's key players are Realsun Chemical, Lutianhua Group, Boai NKY, BASF, and Ashland.

In April 2021, Mitsubishi Chemical Corporation entered into a partnership agreement with Dyson Co., Ltd., the robot and space development venture, the first private company ever to explore the moon.

In August 2019, BASF Idemitsu Co., Ltd., a joint venture between BASF SE ('BASF') and Idemitsu Kosan Co., Ltd., will be closing its 1,4-Butanediol ('BDO') plant at Chiba, Japan in December 2020.

In June 2019, Daicel Corp announced a new production facility of 1, 3 butanediols at its Aboshi Plant.

Global Gamma-Butyrolactone GBL Market report provides deep insight into the Industrial market's current and future state across various regions. The study comprehensively analyses the Gamma-Butyrolactone market by segmenting based on Grade [Industrial Grade (5 wt. %), Common Grade (8 wt. %), Electric Grade (9 wt. %)], End-User Industry (Electronics and Electrical, Agrochemical, Pharmaceutical, Chemical, Others), Application (Batteries and Capacitors, Herbicides and Insecticides, sedative & Aesthetic, and Solvent) and Geography (Asia-Pacific, North America, Europe, South America, and Middle-East and Africa). The report examines the market drivers and restraints and the impact of Covid-19 on the market growth in detail. The study covers emerging market trends, market dynamics, market analysis, developments, opportunities, and challenges in the industry. This report covers extensively researched competitive landscape sections with prominent companies and profiles, including their market shares and projects.

## Contents

### 1. Executive Summary

### 2. Research Scope and Methodology

- 2.1 Aim & Objective of the study
- 2.2 Market Definition
- 2.3 Study Information
- 2.4 General Study Assumptions
- 2.5 Research Phases

### 3. Market Analysis

- 3.1 Introduction
- 3.2 Market Dynamics
  - 3.2.1 Drivers
  - 3.2.2 Restraints
- 3.3 Market Trends & Developments
- 3.4 Market Opportunities
- 3.5 Regulatory Policies
- 3.6 Analysis of Covid-19 Impact

### 4. Industry Analysis

- 4.1 Supply Chain Analysis
- 4.2 Porter's Five Forces Analysis
  - 4.2.1 Competition in the Industry
  - 4.2.2 Potential of New Entrants into the Industry
  - 4.2.3 Bargaining Power of Suppliers
  - 4.2.4 Bargaining Power of Consumers
  - 4.2.5 Threat of substitute products

### 5. Market Segmentation & Forecast

- 5.1 By Grade
  - 5.1.1 Industrial Grade (5 wt. %)
  - 5.1.2 Common Grade (8 wt. %)
  - 5.1.3 Electric Grade (9 wt. %)

## 5.2 By Applications

5.2.1 Batteries and Capacitors

5.2.2 Herbicides and Insecticides

5.2.3 Sedative and Anesthetic

5.2.4 Solvent

5.2.5 Others

## 5.3 By End-user

5.3.1 Electronics

and Electrical

5.3.2 Agrochemical

5.3.3 Pharmaceutical

5.3.4 Chemical

5.3.5 Others

## **Regional Market Analysis**

### 6.1 North America

6.1.1 United States

6.1.2 Canada

6.1.3 Mexico

### 6.2 Europe

6.2.1 Germany

6.2.2 United Kingdom

6.2.3 Italy

6.2.4 France

6.2.5 Spain

6.2.6 Rest of Europe

### 6.3 Asia-Pacific

6.3.1 China

6.3.2 India

6.3.3 Japan

6.3.4 South Korea

6.3.5 Rest of Asia-Pacific

### 6.4 South America

6.4.1 Brazil

6.4.2 Argentina

6.4.3 Rest of South America

### 6.5 Middle East & Africa

6.5.1 South Africa

6.5.2 Saudi Arabia

### 6.5.3 Rest of Middle East & Africa

#### **Company Profiles**

Isun Chemical

anhua Group

i NKY

F

ng Chemical

land

n Chemical

ang Guangming Chemicals

hou Yuneng Chemical

chang Ruida

Technology

subishi

ondellBasell

angxin Chemical

yang

ng Chemicals

iren Chemicals

*Companies is not exhaustive*

#### **Competitive Landscape**

of Notable Players in the Market

A, JV, and Agreements

Market Share Analysis

Strategies of Key Players

#### **Conclusions and Recommendations**

## List Of Tables

### LIST OF TABLES

Global Gamma Butyrolactone Market Size, Market Growth & Market Forecast  
Revenue(in USD million), 2017-2027

North America Gamma Butyrolactone Market Size, Market Growth & Market Forecast  
Revenue(in USD million), 2017-2027

United States Gamma Butyrolactone Market Size, Market Growth & Market Forecast  
Revenue(in USD million), 2017-2027

Canada Gamma Butyrolactone Market Size, Market Growth & Market Forecast  
Revenue(in USD million), 2017-2027

Mexico Gamma Butyrolactone Market Size, Market Growth & Market Forecast  
Revenue(in USD million), 2017-2027

Europe Gamma Butyrolactone Market Size, Market Growth & Market Forecast  
Revenue(in USD million), 2017-2027

United Kingdom Gamma Butyrolactone Market Size, Market Growth & Market Forecast  
Revenue(in USD million), 2017-2027

Germany Gamma Butyrolactone Market Size, Market Growth & Market Forecast  
Revenue(in USD million), 2017-2027

Italy Gamma Butyrolactone Market Size, Market Growth & Market Forecast Revenue(in  
USD million), 2017-2027

France Gamma Butyrolactone Market Size, Market Growth & Market Forecast  
Revenue(in USD million), 2017-2027

Other Supporting Charts

Rest of Europe Gamma Butyrolactone Market Size, Market Growth & Market Forecast  
Revenue(in USD million), 2017-2027

South America Gamma Butyrolactone Market Size, Market Growth & Market Forecast  
Revenue(in USD million), 2017-2027

Brazil Gamma Butyrolactone Market Size, Market Growth & Market Forecast  
Revenue(in USD million), 2017-2027

Argentina Gamma Butyrolactone Market Size, Market Growth & Market Forecast  
Revenue(in USD million), 2017-2027

Rest of South America Gamma Butyrolactone Market Size, Market Growth & Market  
Forecast Revenue(in USD million), 2017-2027

Asia-Pacific Gamma Butyrolactone Market Size, Market Growth & Market Forecast  
Revenue(in USD million), 2017-2027

China Gamma Butyrolactone Market Size, Market Growth & Market Forecast  
Revenue(in USD million), 2017-2027

India Gamma Butyrolactone Market Size, Market Growth & Market Forecast Revenue(in USD million), 2017-2027

Japan Gamma Butyrolactone Market Size, Market Growth & Market Forecast Revenue(in USD million), 2017-2027

South Korea Gamma Butyrolactone Market Size, Market Growth & Market Forecast Revenue(in USD million), 2017-2027

ASEAN Countries Gamma Butyrolactone Market Size, Market Growth & Market Forecast Revenue(in USD million), 2017-2027

Rest of Asia-Pacific Gamma Butyrolactone Market Size, Market Growth & Market Forecast Revenue(in USD million), 2017-2027

Middle East & Africa Gamma Butyrolactone Market Size, Market Growth & Market Forecast Revenue(in USD million), 2017-2027

Saudi Arabia Gamma Butyrolactone Market Size, Market Growth & Market Forecast Revenue(in USD million), 2017-2027

South Africa Gamma Butyrolactone Market Size, Market Growth & Market Forecast Revenue(in USD million), 2017-2027

Rest of Middle-East & Africa Gamma Butyrolactone Market Size, Market Growth & Market Forecast Revenue(in USD million), 2017-2027



## I would like to order

Product name: Global Gamma-Butyrolactone (GBL) Market Outlook to 2027

Product link: <https://marketpublishers.com/r/G532DB02F7F5EN.html>

Price: US\$ 4,490.00 (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/G532DB02F7F5EN.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