

# **Biosurfactant Market By Type (Glycolipids, Fatty Acids, Phospholipids and Neutral Fats, Lipopeptides, Polymeric Biosurfactants, Others), By Application (Detergent, Cosmetics, Medicine, Food, Bioremediation, Agriculture, Others): Global Opportunity Analysis and Industry Forecast, 2022 - 2032**

<https://marketpublishers.com/r/B1ADA4D159E9EN.html>

Date: January 2024

Pages: 403

Price: US\$ 3,570.00 (Single User License)

ID: B1ADA4D159E9EN

## **Abstracts**

The global biosurfactants market was valued for \$1.9 billion in 2022 and is estimated to reach \$3.2 billion by 2032, exhibiting a CAGR of 5.4% from 2023 to 2032.

Biosurfactants, short for biological surfactants, are a diverse group of surface-active compounds produced by microorganisms such as bacteria, yeast, and fungi. These natural molecules possess both hydrophilic (water-attracting) and hydrophobic (water-repelling) components, allowing them to lower the surface tension of liquids and facilitate the dispersion and mixing of immiscible substances, such as oil and water. The unique structure and properties of biosurfactants make them valuable in various industrial, environmental, and biotechnological applications.

Environmental consciousness is a prominent driver propelling the biosurfactants market. With an increasing awareness of the ecological impact of chemical pollutants, there is a global push towards sustainable alternatives. Biosurfactants, being derived from natural sources and biodegradable, resonate with the goals of reducing environmental harm. This growing awareness among consumers and industries alike has led to an uptick in demand for biosurfactants across various applications.

Moreover, the global shift towards sustainable practices in industries such as

agriculture, healthcare, and manufacturing is a significant driver for the biosurfactants market. As companies seek to reduce their carbon footprint and adopt more environmentally friendly processes, biosurfactants emerge as a viable solution. Their sustainable production methods and eco-friendly properties align with the broader trend of incorporating green technologies into industrial practices.

Furthermore, changing consumer preferences, driven by a desire for healthier and environmentally friendly products, contribute significantly to the demand for biosurfactants. Consumers are increasingly opting for products that are not only effective but also align with their values related to sustainability. The biosurfactants market benefits from this shift in consumer sentiment, as more individuals seek out green alternatives in everyday products.

However, technical challenges related to the formulation and stability of biosurfactants in various applications are a restraint for market growth. Achieving consistent quality and stability in formulations can be complex, especially when biosurfactants are incorporated into products such as detergents, cosmetics, or pharmaceuticals. Compatibility issues with other ingredients, susceptibility to environmental conditions, and potential degradation can affect the performance of biosurfactant-containing formulations, limiting their widespread use.

On the contrary, the oil and gas industry presents a significant opportunity for biosurfactants, particularly in Enhanced Oil Recovery (EOR) processes. Biosurfactants can effectively reduce the interfacial tension between oil and water, improving the recovery of oil from reservoirs. As conventional oil extraction methods face challenges, the demand for EOR technologies, including biosurfactants, is expected to grow, providing a lucrative opportunity for market expansion.

The global biosurfactants market is segmented on the basis of type, application, and region. On the basis of type, the market is categorized into glycolipids, fatty acids, phospholipids and neutral fats, lipopeptides, polymeric biosurfactants, and others. As per application, it is divided into detergents, cosmetics, medicine, food, bioremediation, agriculture, and others. Region-wise, the market is studied across North America, Europe, Asia-Pacific, and LAMEA.

The global biosurfactants market profiles leading players that include Evonik, Biotensidon GmbH, Saraya.Co.Ltd, Allied Carbon Solution, BASF SE, Lankem Ltd., Holiferm, Solvay, Unilever PLC, and Jeneil Biotech. The global biosurfactants market report provides in-depth competitive analysis as well as profiles of these major players.

## Key Benefits For Stakeholders

This report provides a quantitative analysis of the market segments, current trends, estimations, and dynamics of the biosurfactant market analysis from 2022 to 2032 to identify the prevailing biosurfactant market opportunities.

The market research is offered along with information related to key drivers, restraints, and opportunities.

Porter's five forces analysis highlights the potency of buyers and suppliers to enable stakeholders make profit-oriented business decisions and strengthen their supplier-buyer network.

In-depth analysis of the biosurfactant market segmentation assists to determine the prevailing market opportunities.

Major countries in each region are mapped according to their revenue contribution to the global market.

Market player positioning facilitates benchmarking and provides a clear understanding of the present position of the market players.

The report includes the analysis of the regional as well as global biosurfactant market trends, key players, market segments, application areas, and market growth strategies.

## Additional benefits you will get with this purchase are:

Quarterly Update and\* (only available with a corporate license, on listed price)

5 additional Company Profile of client Choice pre- or Post-purchase, as a free update.

Free Upcoming Version on the Purchase of Five and Enterprise User License.

16 analyst hours of support\* (post-purchase, if you find additional data requirements upon review of the report, you may receive support amounting to

16 analyst hours to solve questions, and post-sale queries)

15% Free Customization\* (in case the scope or segment of the report does not match your requirements, 15% is equivalent to 3 working days of free work, applicable once)

Free data Pack on the Five and Enterprise User License. (Excel version of the report)

Free Updated report if the report is 6-12 months old or older.

24-hour priority response\*

Free Industry updates and white papers.

**Possible Customization with this report (with additional cost and timeline, please talk to the sales executive to know more):**

Manufacturing Capacity

Investment Opportunities

Product Benchmarking / Product specification and applications

Product Life Cycles

Supply Chain Analysis & Vendor Margins

Upcoming/New Entrant by Regions

Technology Trend Analysis

Average Consumer Expenditure

Market share analysis of players by products/segments

Regulatory Guidelines

Additional company profiles with specific to client's interest

Additional country or region analysis- market size and forecast

Average Selling Price Analysis / Price Point Analysis

Expanded list for Company Profiles

Historic market data

Import Export Analysis/Data

SWOT Analysis

Volume Market Size and Forecast

### **Key Market Segments By Type Glycolipids**

Fatty Acids, Phospholipids and Neutral Fats

Lipopeptides

Polymeric Biosurfactants

Others

### **By Application Detergent**

Cosmetics

Medicine

Food

Bioremediation

Agriculture

Others

## By Region

North America U.S.

Canada

Mexico

Europe Germany

UK

France

Spain

Italy

Rest of Europe

Asia-Pacific China

India

Japan

South Korea

Australia

Rest of Asia-Pacific

LAMEA Brazil

Saudi Arabia

South Africa

Rest of LAMEA

### Key Market Players

Biotensidon GmbH

Saraya.Co.Ltd

Allied Carbon Solution

BASF SE

Holiferm

Solvay

Unilever PLC

Jeneil Biotech, Inc.

Evonik

## Contents

### CHAPTER 1: INTRODUCTION

- 1.1. Report description
- 1.2. Key market segments
- 1.3. Key benefits to the stakeholders
- 1.4. Research methodology
  - 1.4.1. Primary research
  - 1.4.2. Secondary research
  - 1.4.3. Analyst tools and models

### CHAPTER 2: EXECUTIVE SUMMARY

- 2.1. CXO perspective

### CHAPTER 3: MARKET OVERVIEW

- 3.1. Market definition and scope
- 3.2. Key findings
  - 3.2.1. Top impacting factors
  - 3.2.2. Top investment pockets
- 3.3. Porter s five forces analysis
  - 3.3.1. Moderate bargaining power of suppliers
  - 3.3.2. Moderate threat of new entrants
  - 3.3.3. Moderate threat of substitutes
  - 3.3.4. Moderate intensity of rivalry
  - 3.3.5. Moderate bargaining power of buyers
- 3.4. Market dynamics
  - 3.4.1. Drivers
    - 3.4.1.1. Growth of personal care, food, and agricultural industries
    - 3.4.1.2. Rising demand for eco-friendly and biodegradable surfactants
    - 3.4.1.3. Expanding applications in environmental remediation and oil recovery
  - 3.4.2. Restraints
    - 3.4.2.1. High production cost and scalability challenges
  - 3.4.3. Opportunities
    - 3.4.3.1. Technological advancements and collaborative research initiatives
- 3.5. Value Chain Analysis
- 3.6. Regulatory Guidelines

## **CHAPTER 4: BIOSURFACTANT MARKET, BY TYPE**

### 4.1. Overview

#### 4.1.1. Market size and forecast

### 4.2. Glycolipids

#### 4.2.1. Key market trends, growth factors and opportunities

#### 4.2.2. Market size and forecast, by region

#### 4.2.3. Market share analysis by country

### 4.3. Fatty Acids, Phospholipids and Neutral Fats

#### 4.3.1. Key market trends, growth factors and opportunities

#### 4.3.2. Market size and forecast, by region

#### 4.3.3. Market share analysis by country

### 4.4. Lipopeptides

#### 4.4.1. Key market trends, growth factors and opportunities

#### 4.4.2. Market size and forecast, by region

#### 4.4.3. Market share analysis by country

### 4.5. Polymeric Biosurfactants

#### 4.5.1. Key market trends, growth factors and opportunities

#### 4.5.2. Market size and forecast, by region

#### 4.5.3. Market share analysis by country

### 4.6. Others

#### 4.6.1. Key market trends, growth factors and opportunities

#### 4.6.2. Market size and forecast, by region

#### 4.6.3. Market share analysis by country

## **CHAPTER 5: BIOSURFACTANT MARKET, BY APPLICATION**

### 5.1. Overview

#### 5.1.1. Market size and forecast

### 5.2. Detergent

#### 5.2.1. Key market trends, growth factors and opportunities

#### 5.2.2. Market size and forecast, by region

#### 5.2.3. Market share analysis by country

### 5.3. Cosmetics

#### 5.3.1. Key market trends, growth factors and opportunities

#### 5.3.2. Market size and forecast, by region

#### 5.3.3. Market share analysis by country

### 5.4. Medicine

- 5.4.1. Key market trends, growth factors and opportunities
- 5.4.2. Market size and forecast, by region
- 5.4.3. Market share analysis by country
- 5.5. Food
  - 5.5.1. Key market trends, growth factors and opportunities
  - 5.5.2. Market size and forecast, by region
  - 5.5.3. Market share analysis by country
- 5.6. Bioremediation
  - 5.6.1. Key market trends, growth factors and opportunities
  - 5.6.2. Market size and forecast, by region
  - 5.6.3. Market share analysis by country
- 5.7. Agriculture
  - 5.7.1. Key market trends, growth factors and opportunities
  - 5.7.2. Market size and forecast, by region
  - 5.7.3. Market share analysis by country
- 5.8. Others
  - 5.8.1. Key market trends, growth factors and opportunities
  - 5.8.2. Market size and forecast, by region
  - 5.8.3. Market share analysis by country

## **CHAPTER 6: BIOSURFACTANT MARKET, BY REGION**

- 6.1. Overview
  - 6.1.1. Market size and forecast By Region
- 6.2. North America
  - 6.2.1. Key market trends, growth factors and opportunities
  - 6.2.2. Market size and forecast, by Type
  - 6.2.3. Market size and forecast, by Application
  - 6.2.4. Market size and forecast, by country
    - 6.2.4.1. U.S.
      - 6.2.4.1.1. Market size and forecast, by Type
      - 6.2.4.1.2. Market size and forecast, by Application
    - 6.2.4.2. Canada
      - 6.2.4.2.1. Market size and forecast, by Type
      - 6.2.4.2.2. Market size and forecast, by Application
    - 6.2.4.3. Mexico
      - 6.2.4.3.1. Market size and forecast, by Type
      - 6.2.4.3.2. Market size and forecast, by Application
- 6.3. Europe

- 6.3.1. Key market trends, growth factors and opportunities
- 6.3.2. Market size and forecast, by Type
- 6.3.3. Market size and forecast, by Application
- 6.3.4. Market size and forecast, by country
  - 6.3.4.1. Germany
    - 6.3.4.1.1. Market size and forecast, by Type
    - 6.3.4.1.2. Market size and forecast, by Application
  - 6.3.4.2. UK
    - 6.3.4.2.1. Market size and forecast, by Type
    - 6.3.4.2.2. Market size and forecast, by Application
  - 6.3.4.3. France
    - 6.3.4.3.1. Market size and forecast, by Type
    - 6.3.4.3.2. Market size and forecast, by Application
  - 6.3.4.4. Spain
    - 6.3.4.4.1. Market size and forecast, by Type
    - 6.3.4.4.2. Market size and forecast, by Application
  - 6.3.4.5. Italy
    - 6.3.4.5.1. Market size and forecast, by Type
    - 6.3.4.5.2. Market size and forecast, by Application
  - 6.3.4.6. Rest of Europe
    - 6.3.4.6.1. Market size and forecast, by Type
    - 6.3.4.6.2. Market size and forecast, by Application
- 6.4. Asia-Pacific
  - 6.4.1. Key market trends, growth factors and opportunities
  - 6.4.2. Market size and forecast, by Type
  - 6.4.3. Market size and forecast, by Application
  - 6.4.4. Market size and forecast, by country
    - 6.4.4.1. China
      - 6.4.4.1.1. Market size and forecast, by Type
      - 6.4.4.1.2. Market size and forecast, by Application
    - 6.4.4.2. India
      - 6.4.4.2.1. Market size and forecast, by Type
      - 6.4.4.2.2. Market size and forecast, by Application
    - 6.4.4.3. Japan
      - 6.4.4.3.1. Market size and forecast, by Type
      - 6.4.4.3.2. Market size and forecast, by Application
    - 6.4.4.4. South Korea
      - 6.4.4.4.1. Market size and forecast, by Type
      - 6.4.4.4.2. Market size and forecast, by Application

#### 6.4.4.5. Australia

6.4.4.5.1. Market size and forecast, by Type

6.4.4.5.2. Market size and forecast, by Application

#### 6.4.4.6. Rest of Asia-Pacific

6.4.4.6.1. Market size and forecast, by Type

6.4.4.6.2. Market size and forecast, by Application

### 6.5. LAMEA

6.5.1. Key market trends, growth factors and opportunities

6.5.2. Market size and forecast, by Type

6.5.3. Market size and forecast, by Application

6.5.4. Market size and forecast, by country

#### 6.5.4.1. Brazil

6.5.4.1.1. Market size and forecast, by Type

6.5.4.1.2. Market size and forecast, by Application

#### 6.5.4.2. Saudi Arabia

6.5.4.2.1. Market size and forecast, by Type

6.5.4.2.2. Market size and forecast, by Application

#### 6.5.4.3. South Africa

6.5.4.3.1. Market size and forecast, by Type

6.5.4.3.2. Market size and forecast, by Application

#### 6.5.4.4. Rest of LAMEA

6.5.4.4.1. Market size and forecast, by Type

6.5.4.4.2. Market size and forecast, by Application

## CHAPTER 7: COMPETITIVE LANDSCAPE

7.1. Introduction

7.2. Top winning strategies

7.3. Product mapping of top 10 player

7.4. Competitive dashboard

7.5. Competitive heatmap

7.6. Top player positioning, 2022

## CHAPTER 8: COMPANY PROFILES

8.1. Evonik

8.1.1. Company overview

8.1.2. Key executives

8.1.3. Company snapshot

- 8.1.4. Operating business segments
- 8.1.5. Product portfolio
- 8.1.6. Business performance
- 8.1.7. Key strategic moves and developments
- 8.2. Biotensidon GmbH
  - 8.2.1. Company overview
  - 8.2.2. Key executives
  - 8.2.3. Company snapshot
  - 8.2.4. Operating business segments
  - 8.2.5. Product portfolio
  - 8.2.6. Business performance
  - 8.2.7. Key strategic moves and developments
- 8.3. Saraya.Co.Ltd
  - 8.3.1. Company overview
  - 8.3.2. Key executives
  - 8.3.3. Company snapshot
  - 8.3.4. Operating business segments
  - 8.3.5. Product portfolio
  - 8.3.6. Business performance
  - 8.3.7. Key strategic moves and developments
- 8.4. Allied Carbon Solution
  - 8.4.1. Company overview
  - 8.4.2. Key executives
  - 8.4.3. Company snapshot
  - 8.4.4. Operating business segments
  - 8.4.5. Product portfolio
  - 8.4.6. Business performance
  - 8.4.7. Key strategic moves and developments
- 8.5. BASF SE
  - 8.5.1. Company overview
  - 8.5.2. Key executives
  - 8.5.3. Company snapshot
  - 8.5.4. Operating business segments
  - 8.5.5. Product portfolio
  - 8.5.6. Business performance
  - 8.5.7. Key strategic moves and developments
- 8.6. Holiferm
  - 8.6.1. Company overview
  - 8.6.2. Key executives

- 8.6.3. Company snapshot
- 8.6.4. Operating business segments
- 8.6.5. Product portfolio
- 8.6.6. Business performance
- 8.6.7. Key strategic moves and developments
- 8.7. Solvay
  - 8.7.1. Company overview
  - 8.7.2. Key executives
  - 8.7.3. Company snapshot
  - 8.7.4. Operating business segments
  - 8.7.5. Product portfolio
  - 8.7.6. Business performance
  - 8.7.7. Key strategic moves and developments
- 8.8. Unilever PLC
  - 8.8.1. Company overview
  - 8.8.2. Key executives
  - 8.8.3. Company snapshot
  - 8.8.4. Operating business segments
  - 8.8.5. Product portfolio
  - 8.8.6. Business performance
  - 8.8.7. Key strategic moves and developments
- 8.9. Jeneil Biotech, Inc.
  - 8.9.1. Company overview
  - 8.9.2. Key executives
  - 8.9.3. Company snapshot
  - 8.9.4. Operating business segments
  - 8.9.5. Product portfolio
  - 8.9.6. Business performance
  - 8.9.7. Key strategic moves and developments

## List Of Tables

### LIST OF TABLES

- TABLE 01. GLOBAL BIOSURFACTANT MARKET, BY TYPE, 2022-2032 (\$MILLION)
- TABLE 02. GLOBAL BIOSURFACTANT MARKET, BY TYPE, 2022-2032 (KILOTON)
- TABLE 03. BIOSURFACTANT MARKET FOR GLYCOLIPIDS, BY REGION, 2022-2032 (\$MILLION)
- TABLE 04. BIOSURFACTANT MARKET FOR GLYCOLIPIDS, BY REGION, 2022-2032 (KILOTON)
- TABLE 05. BIOSURFACTANT MARKET FOR FATTY ACIDS, PHOSPHOLIPIDS AND NEUTRAL FATS, BY REGION, 2022-2032 (\$MILLION)
- TABLE 06. BIOSURFACTANT MARKET FOR FATTY ACIDS, PHOSPHOLIPIDS AND NEUTRAL FATS, BY REGION, 2022-2032 (KILOTON)
- TABLE 07. BIOSURFACTANT MARKET FOR LIPOPEPTIDES, BY REGION, 2022-2032 (\$MILLION)
- TABLE 08. BIOSURFACTANT MARKET FOR LIPOPEPTIDES, BY REGION, 2022-2032 (KILOTON)
- TABLE 09. BIOSURFACTANT MARKET FOR POLYMERIC BIOSURFACTANTS, BY REGION, 2022-2032 (\$MILLION)
- TABLE 10. BIOSURFACTANT MARKET FOR POLYMERIC BIOSURFACTANTS, BY REGION, 2022-2032 (KILOTON)
- TABLE 11. BIOSURFACTANT MARKET FOR OTHERS, BY REGION, 2022-2032 (\$MILLION)
- TABLE 12. BIOSURFACTANT MARKET FOR OTHERS, BY REGION, 2022-2032 (KILOTON)
- TABLE 13. GLOBAL BIOSURFACTANT MARKET, BY APPLICATION, 2022-2032 (\$MILLION)
- TABLE 14. GLOBAL BIOSURFACTANT MARKET, BY APPLICATION, 2022-2032 (KILOTON)
- TABLE 15. BIOSURFACTANT MARKET FOR DETERGENT, BY REGION, 2022-2032 (\$MILLION)
- TABLE 16. BIOSURFACTANT MARKET FOR DETERGENT, BY REGION, 2022-2032 (KILOTON)
- TABLE 17. BIOSURFACTANT MARKET FOR COSMETICS, BY REGION, 2022-2032 (\$MILLION)
- TABLE 18. BIOSURFACTANT MARKET FOR COSMETICS, BY REGION, 2022-2032 (KILOTON)
- TABLE 19. BIOSURFACTANT MARKET FOR MEDICINE, BY REGION, 2022-2032

(\$MILLION)

TABLE 20. BIOSURFACTANT MARKET FOR MEDICINE, BY REGION, 2022-2032

(KILOTON)

TABLE 21. BIOSURFACTANT MARKET FOR FOOD, BY REGION, 2022-2032

(\$MILLION)

TABLE 22. BIOSURFACTANT MARKET FOR FOOD, BY REGION, 2022-2032

(KILOTON)

TABLE 23. BIOSURFACTANT MARKET FOR BIOREMEDIATION, BY REGION,  
2022-2032 (\$MILLION)

TABLE 24. BIOSURFACTANT MARKET FOR BIOREMEDIATION, BY REGION,  
2022-2032 (KILOTON)

TABLE 25. BIOSURFACTANT MARKET FOR AGRICULTURE, BY REGION,  
2022-2032 (\$MILLION)

TABLE 26. BIOSURFACTANT MARKET FOR AGRICULTURE, BY REGION,  
2022-2032 (KILOTON)

TABLE 27. BIOSURFACTANT MARKET FOR OTHERS, BY REGION, 2022-2032  
(\$MILLION)

TABLE 28. BIOSURFACTANT MARKET FOR OTHERS, BY REGION, 2022-2032  
(KILOTON)

TABLE 29. BIOSURFACTANT MARKET, BY REGION, 2022-2032 (\$MILLION)

TABLE 30. BIOSURFACTANT MARKET, BY REGION, 2022-2032 (KILOTON)

TABLE 31. NORTH AMERICA BIOSURFACTANT MARKET, BY TYPE, 2022-2032  
(\$MILLION)

TABLE 32. NORTH AMERICA BIOSURFACTANT MARKET, BY TYPE, 2022-2032  
(KILOTON)

TABLE 33. NORTH AMERICA BIOSURFACTANT MARKET, BY APPLICATION,  
2022-2032 (\$MILLION)

TABLE 34. NORTH AMERICA BIOSURFACTANT MARKET, BY APPLICATION,  
2022-2032 (KILOTON)

TABLE 35. NORTH AMERICA BIOSURFACTANT MARKET, BY COUNTRY,  
2022-2032 (\$MILLION)

TABLE 36. NORTH AMERICA BIOSURFACTANT MARKET, BY COUNTRY,  
2022-2032 (KILOTON)

TABLE 37. U.S. BIOSURFACTANT MARKET, BY TYPE, 2022-2032 (\$MILLION)

TABLE 38. U.S. BIOSURFACTANT MARKET, BY TYPE, 2022-2032 (KILOTON)

TABLE 39. U.S. BIOSURFACTANT MARKET, BY APPLICATION, 2022-2032  
(\$MILLION)

TABLE 40. U.S. BIOSURFACTANT MARKET, BY APPLICATION, 2022-2032  
(KILOTON)

TABLE 41. CANADA BIOSURFACTANT MARKET, BY TYPE, 2022-2032 (\$MILLION)

TABLE 42. CANADA BIOSURFACTANT MARKET, BY TYPE, 2022-2032 (KILOTON)

TABLE 43. CANADA BIOSURFACTANT MARKET, BY APPLICATION, 2022-2032 (\$MILLION)

TABLE 44. CANADA BIOSURFACTANT MARKET, BY APPLICATION, 2022-2032 (KILOTON)

TABLE 45. MEXICO BIOSURFACTANT MARKET, BY TYPE, 2022-2032 (\$MILLION)

TABLE 46. MEXICO BIOSURFACTANT MARKET, BY TYPE, 2022-2032 (KILOTON)

TABLE 47. MEXICO BIOSURFACTANT MARKET, BY APPLICATION, 2022-2032 (\$MILLION)

TABLE 48. MEXICO BIOSURFACTANT MARKET, BY APPLICATION, 2022-2032 (KILOTON)

TABLE 49. EUROPE BIOSURFACTANT MARKET, BY TYPE, 2022-2032 (\$MILLION)

TABLE 50. EUROPE BIOSURFACTANT MARKET, BY TYPE, 2022-2032 (KILOTON)

TABLE 51. EUROPE BIOSURFACTANT MARKET, BY APPLICATION, 2022-2032 (\$MILLION)

TABLE 52. EUROPE BIOSURFACTANT MARKET, BY APPLICATION, 2022-2032 (KILOTON)

TABLE 53. EUROPE BIOSURFACTANT MARKET, BY COUNTRY, 2022-2032 (\$MILLION)

TABLE 54. EUROPE BIOSURFACTANT MARKET, BY COUNTRY, 2022-2032 (KILOTON)

TABLE 55. GERMANY BIOSURFACTANT MARKET, BY TYPE, 2022-2032 (\$MILLION)

TABLE 56. GERMANY BIOSURFACTANT MARKET, BY TYPE, 2022-2032 (KILOTON)

TABLE 57. GERMANY BIOSURFACTANT MARKET, BY APPLICATION, 2022-2032 (\$MILLION)

TABLE 58. GERMANY BIOSURFACTANT MARKET, BY APPLICATION, 2022-2032 (KILOTON)

TABLE 59. UK BIOSURFACTANT MARKET, BY TYPE, 2022-2032 (\$MILLION)

TABLE 60. UK BIOSURFACTANT MARKET, BY TYPE, 2022-2032 (KILOTON)

TABLE 61. UK BIOSURFACTANT MARKET, BY APPLICATION, 2022-2032 (\$MILLION)

TABLE 62. UK BIOSURFACTANT MARKET, BY APPLICATION, 2022-2032 (KILOTON)

TABLE 63. FRANCE BIOSURFACTANT MARKET, BY TYPE, 2022-2032 (\$MILLION)

TABLE 64. FRANCE BIOSURFACTANT MARKET, BY TYPE, 2022-2032 (KILOTON)

TABLE 65. FRANCE BIOSURFACTANT MARKET, BY APPLICATION, 2022-2032 (\$MILLION)

TABLE 66. FRANCE BIOSURFACTANT MARKET, BY APPLICATION, 2022-2032

(KILOTON)

TABLE 67. SPAIN BIOSURFACTANT MARKET, BY TYPE, 2022-2032 (\$MILLION)

TABLE 68. SPAIN BIOSURFACTANT MARKET, BY TYPE, 2022-2032 (KILOTON)

TABLE 69. SPAIN BIOSURFACTANT MARKET, BY APPLICATION, 2022-2032 (\$MILLION)

TABLE 70. SPAIN BIOSURFACTANT MARKET, BY APPLICATION, 2022-2032 (KILOTON)

TABLE 71. ITALY BIOSURFACTANT MARKET, BY TYPE, 2022-2032 (\$MILLION)

TABLE 72. ITALY BIOSURFACTANT MARKET, BY TYPE, 2022-2032 (KILOTON)

TABLE 73. ITALY BIOSURFACTANT MARKET, BY APPLICATION, 2022-2032 (\$MILLION)

TABLE 74. ITALY BIOSURFACTANT MARKET, BY APPLICATION, 2022-2032 (KILOTON)

TABLE 75. REST OF EUROPE BIOSURFACTANT MARKET, BY TYPE, 2022-2032 (\$MILLION)

TABLE 76. REST OF EUROPE BIOSURFACTANT MARKET, BY TYPE, 2022-2032 (KILOTON)

TABLE 77. REST OF EUROPE BIOSURFACTANT MARKET, BY APPLICATION, 2022-2032 (\$MILLION)

TABLE 78. REST OF EUROPE BIOSURFACTANT MARKET, BY APPLICATION, 2022-2032 (KILOTON)

TABLE 79. ASIA-PACIFIC BIOSURFACTANT MARKET, BY TYPE, 2022-2032 (\$MILLION)

TABLE 80. ASIA-PACIFIC BIOSURFACTANT MARKET, BY TYPE, 2022-2032 (KILOTON)

TABLE 81. ASIA-PACIFIC BIOSURFACTANT MARKET, BY APPLICATION, 2022-2032 (\$MILLION)

TABLE 82. ASIA-PACIFIC BIOSURFACTANT MARKET, BY APPLICATION, 2022-2032 (KILOTON)

TABLE 83. ASIA-PACIFIC BIOSURFACTANT MARKET, BY COUNTRY, 2022-2032 (\$MILLION)

TABLE 84. ASIA-PACIFIC BIOSURFACTANT MARKET, BY COUNTRY, 2022-2032 (KILOTON)

TABLE 85. CHINA BIOSURFACTANT MARKET, BY TYPE, 2022-2032 (\$MILLION)

TABLE 86. CHINA BIOSURFACTANT MARKET, BY TYPE, 2022-2032 (KILOTON)

TABLE 87. CHINA BIOSURFACTANT MARKET, BY APPLICATION, 2022-2032 (\$MILLION)

TABLE 88. CHINA BIOSURFACTANT MARKET, BY APPLICATION, 2022-2032 (KILOTON)

TABLE 89. INDIA BIOSURFACTANT MARKET, BY TYPE, 2022-2032 (\$MILLION)

TABLE 90. INDIA BIOSURFACTANT MARKET, BY TYPE, 2022-2032 (KILOTON)

TABLE 91. INDIA BIOSURFACTANT MARKET, BY APPLICATION, 2022-2032 (\$MILLION)

TABLE 92. INDIA BIOSURFACTANT MARKET, BY APPLICATION, 2022-2032 (KILOTON)

TABLE 93. JAPAN BIOSURFACTANT MARKET, BY TYPE, 2022-2032 (\$MILLION)

TABLE 94. JAPAN BIOSURFACTANT MARKET, BY TYPE, 2022-2032 (KILOTON)

TABLE 95. JAPAN BIOSURFACTANT MARKET, BY APPLICATION, 2022-2032 (\$MILLION)

TABLE 96. JAPAN BIOSURFACTANT MARKET, BY APPLICATION, 2022-2032 (KILOTON)

TABLE 97. SOUTH KOREA BIOSURFACTANT MARKET, BY TYPE, 2022-2032 (\$MILLION)

TABLE 98. SOUTH KOREA BIOSURFACTANT MARKET, BY TYPE, 2022-2032 (KILOTON)

TABLE 99. SOUTH KOREA BIOSURFACTANT MARKET, BY APPLICATION, 2022-2032 (\$MILLION)

TABLE 100. SOUTH KOREA BIOSURFACTANT MARKET, BY APPLICATION, 2022-2032 (KILOTON)

TABLE 101. AUSTRALIA BIOSURFACTANT MARKET, BY TYPE, 2022-2032 (\$MILLION)

TABLE 102. AUSTRALIA BIOSURFACTANT MARKET, BY TYPE, 2022-2032 (KILOTON)

TABLE 103. AUSTRALIA BIOSURFACTANT MARKET, BY APPLICATION, 2022-2032 (\$MILLION)

TABLE 104. AUSTRALIA BIOSURFACTANT MARKET, BY APPLICATION, 2022-2032 (KILOTON)

TABLE 105. REST OF ASIA-PACIFIC BIOSURFACTANT MARKET, BY TYPE, 2022-2032 (\$MILLION)

TABLE 106. REST OF ASIA-PACIFIC BIOSURFACTANT MARKET, BY TYPE, 2022-2032 (KILOTON)

TABLE 107. REST OF ASIA-PACIFIC BIOSURFACTANT MARKET, BY APPLICATION, 2022-2032 (\$MILLION)

TABLE 108. REST OF ASIA-PACIFIC BIOSURFACTANT MARKET, BY APPLICATION, 2022-2032 (KILOTON)

TABLE 109. LAMEA BIOSURFACTANT MARKET, BY TYPE, 2022-2032 (\$MILLION)

TABLE 110. LAMEA BIOSURFACTANT MARKET, BY TYPE, 2022-2032 (KILOTON)

TABLE 111. LAMEA BIOSURFACTANT MARKET, BY APPLICATION, 2022-2032

(\$MILLION)

TABLE 112. LAMEA BIOSURFACTANT MARKET, BY APPLICATION, 2022-2032

(KILOTON)

TABLE 113. LAMEA BIOSURFACTANT MARKET, BY COUNTRY, 2022-2032

(\$MILLION)

TABLE 114. LAMEA BIOSURFACTANT MARKET, BY COUNTRY, 2022-2032

(KILOTON)

TABLE 115. BRAZIL BIOSURFACTANT MARKET, BY TYPE, 2022-2032 (\$MILLION)

TABLE 116. BRAZIL BIOSURFACTANT MARKET, BY TYPE, 2022-2032 (KILOTON)

TABLE 117. BRAZIL BIOSURFACTANT MARKET, BY APPLICATION, 2022-2032

(\$MILLION)

TABLE 118. BRAZIL BIOSURFACTANT MARKET, BY APPLICATION, 2022-2032

(KILOTON)

TABLE 119. SAUDI ARABIA BIOSURFACTANT MARKET, BY TYPE, 2022-2032

(\$MILLION)

TABLE 120. SAUDI ARABIA BIOSURFACTANT MARKET, BY TYPE, 2022-2032

(KILOTON)

TABLE 121. SAUDI ARABIA BIOSURFACTANT MARKET, BY APPLICATION,  
2022-2032 (\$MILLION)

TABLE 122. SAUDI ARABIA BIOSURFACTANT MARKET, BY APPLICATION,  
2022-2032 (KILOTON)

TABLE 123. SOUTH AFRICA BIOSURFACTANT MARKET, BY TYPE, 2022-2032  
(\$MILLION)

TABLE 124. SOUTH AFRICA BIOSURFACTANT MARKET, BY TYPE, 2022-2032  
(KILOTON)

TABLE 125. SOUTH AFRICA BIOSURFACTANT MARKET, BY APPLICATION,  
2022-2032 (\$MILLION)

TABLE 126. SOUTH AFRICA BIOSURFACTANT MARKET, BY APPLICATION,  
2022-2032 (KILOTON)

TABLE 127. REST OF LAMEA BIOSURFACTANT MARKET, BY TYPE, 2022-2032  
(\$MILLION)

TABLE 128. REST OF LAMEA BIOSURFACTANT MARKET, BY TYPE, 2022-2032  
(KILOTON)

TABLE 129. REST OF LAMEA BIOSURFACTANT MARKET, BY APPLICATION,  
2022-2032 (\$MILLION)

TABLE 130. REST OF LAMEA BIOSURFACTANT MARKET, BY APPLICATION,  
2022-2032 (KILOTON)

TABLE 131. EVONIK: KEY EXECUTIVES

TABLE 132. EVONIK: COMPANY SNAPSHOT

TABLE 133. EVONIK: PRODUCT SEGMENTS  
TABLE 134. EVONIK: SERVICE SEGMENTS  
TABLE 135. EVONIK: PRODUCT PORTFOLIO  
TABLE 136. EVONIK: KEY STRATERGIES  
TABLE 137. BIOTENSIDON GMBH: KEY EXECUTIVES  
TABLE 138. BIOTENSIDON GMBH: COMPANY SNAPSHOT  
TABLE 139. BIOTENSIDON GMBH: PRODUCT SEGMENTS  
TABLE 140. BIOTENSIDON GMBH: SERVICE SEGMENTS  
TABLE 141. BIOTENSIDON GMBH: PRODUCT PORTFOLIO  
TABLE 142. BIOTENSIDON GMBH: KEY STRATERGIES  
TABLE 143. SARAYA.CO.LTD: KEY EXECUTIVES  
TABLE 144. SARAYA.CO.LTD: COMPANY SNAPSHOT  
TABLE 145. SARAYA.CO.LTD: PRODUCT SEGMENTS  
TABLE 146. SARAYA.CO.LTD: SERVICE SEGMENTS  
TABLE 147. SARAYA.CO.LTD: PRODUCT PORTFOLIO  
TABLE 148. SARAYA.CO.LTD: KEY STRATERGIES  
TABLE 149. ALLIED CARBON SOLUTION: KEY EXECUTIVES  
TABLE 150. ALLIED CARBON SOLUTION: COMPANY SNAPSHOT  
TABLE 151. ALLIED CARBON SOLUTION: PRODUCT SEGMENTS  
TABLE 152. ALLIED CARBON SOLUTION: SERVICE SEGMENTS  
TABLE 153. ALLIED CARBON SOLUTION: PRODUCT PORTFOLIO  
TABLE 154. ALLIED CARBON SOLUTION: KEY STRATERGIES  
TABLE 155. BASF SE: KEY EXECUTIVES  
TABLE 156. BASF SE: COMPANY SNAPSHOT  
TABLE 157. BASF SE: PRODUCT SEGMENTS  
TABLE 158. BASF SE: SERVICE SEGMENTS  
TABLE 159. BASF SE: PRODUCT PORTFOLIO  
TABLE 160. BASF SE: KEY STRATERGIES  
TABLE 161. HOLIFERM: KEY EXECUTIVES  
TABLE 162. HOLIFERM: COMPANY SNAPSHOT  
TABLE 163. HOLIFERM: PRODUCT SEGMENTS  
TABLE 164. HOLIFERM: SERVICE SEGMENTS  
TABLE 165. HOLIFERM: PRODUCT PORTFOLIO  
TABLE 166. HOLIFERM: KEY STRATERGIES  
TABLE 167. SOLVAY: KEY EXECUTIVES  
TABLE 168. SOLVAY: COMPANY SNAPSHOT  
TABLE 169. SOLVAY: PRODUCT SEGMENTS  
TABLE 170. SOLVAY: SERVICE SEGMENTS  
TABLE 171. SOLVAY: PRODUCT PORTFOLIO

TABLE 172. SOLVAY: KEY STRATERGIES  
TABLE 173. UNILEVER PLC: KEY EXECUTIVES  
TABLE 174. UNILEVER PLC: COMPANY SNAPSHOT  
TABLE 175. UNILEVER PLC: PRODUCT SEGMENTS  
TABLE 176. UNILEVER PLC: SERVICE SEGMENTS  
TABLE 177. UNILEVER PLC: PRODUCT PORTFOLIO  
TABLE 178. UNILEVER PLC: KEY STRATERGIES  
TABLE 179. JENEIL BIOTECH, INC.: KEY EXECUTIVES  
TABLE 180. JENEIL BIOTECH, INC.: COMPANY SNAPSHOT  
TABLE 181. JENEIL BIOTECH, INC.: PRODUCT SEGMENTS  
TABLE 182. JENEIL BIOTECH, INC.: SERVICE SEGMENTS  
TABLE 183. JENEIL BIOTECH, INC.: PRODUCT PORTFOLIO  
TABLE 184. JENEIL BIOTECH, INC.: KEY STRATERGIES

## List Of Figures

### LIST OF FIGURES

- FIGURE 01. BIOSURFACTANT MARKET, 2022-2032
- FIGURE 02. SEGMENTATION OF BIOSURFACTANT MARKET, 2022-2032
- FIGURE 03. TOP IMPACTING FACTORS IN BIOSURFACTANT MARKET (2022 TO 2032)
- FIGURE 04. TOP INVESTMENT POCKETS IN BIOSURFACTANT MARKET (2023-2032)
- FIGURE 05. MODERATE BARGAINING POWER OF SUPPLIERS
- FIGURE 06. MODERATE THREAT OF NEW ENTRANTS
- FIGURE 07. MODERATE THREAT OF SUBSTITUTES
- FIGURE 08. MODERATE INTENSITY OF RIVALRY
- FIGURE 09. MODERATE BARGAINING POWER OF BUYERS
- FIGURE 10. GLOBAL BIOSURFACTANT MARKET: DRIVERS, RESTRAINTS AND OPPORTUNITIES
- FIGURE 11. BIOSURFACTANT MARKET, BY TYPE, 2022 AND 2032(%)
- FIGURE 12. COMPARATIVE SHARE ANALYSIS OF BIOSURFACTANT MARKET FOR GLYCOLIPIDS, BY COUNTRY 2022 AND 2032(%)
- FIGURE 13. COMPARATIVE SHARE ANALYSIS OF BIOSURFACTANT MARKET FOR FATTY ACIDS, PHOSPHOLIPIDS AND NEUTRAL FATS, BY COUNTRY 2022 AND 2032(%)
- FIGURE 14. COMPARATIVE SHARE ANALYSIS OF BIOSURFACTANT MARKET FOR LIPOPEPTIDES, BY COUNTRY 2022 AND 2032(%)
- FIGURE 15. COMPARATIVE SHARE ANALYSIS OF BIOSURFACTANT MARKET FOR POLYMERIC BIOSURFACTANTS, BY COUNTRY 2022 AND 2032(%)
- FIGURE 16. COMPARATIVE SHARE ANALYSIS OF BIOSURFACTANT MARKET FOR OTHERS, BY COUNTRY 2022 AND 2032(%)
- FIGURE 17. BIOSURFACTANT MARKET, BY APPLICATION, 2022 AND 2032(%)
- FIGURE 18. COMPARATIVE SHARE ANALYSIS OF BIOSURFACTANT MARKET FOR DETERGENT, BY COUNTRY 2022 AND 2032(%)
- FIGURE 19. COMPARATIVE SHARE ANALYSIS OF BIOSURFACTANT MARKET FOR COSMETICS, BY COUNTRY 2022 AND 2032(%)
- FIGURE 20. COMPARATIVE SHARE ANALYSIS OF BIOSURFACTANT MARKET FOR MEDICINE, BY COUNTRY 2022 AND 2032(%)
- FIGURE 21. COMPARATIVE SHARE ANALYSIS OF BIOSURFACTANT MARKET FOR FOOD, BY COUNTRY 2022 AND 2032(%)
- FIGURE 22. COMPARATIVE SHARE ANALYSIS OF BIOSURFACTANT MARKET

FOR BIOREMEDIATION, BY COUNTRY 2022 AND 2032(%)

FIGURE 23. COMPARATIVE SHARE ANALYSIS OF BIOSURFACTANT MARKET FOR AGRICULTURE, BY COUNTRY 2022 AND 2032(%)

FIGURE 24. COMPARATIVE SHARE ANALYSIS OF BIOSURFACTANT MARKET FOR OTHERS, BY COUNTRY 2022 AND 2032(%)

FIGURE 25. BIOSURFACTANT MARKET BY REGION, 2022 AND 2032(%)

FIGURE 26. U.S. BIOSURFACTANT MARKET, 2022-2032 (\$MILLION)

FIGURE 27. CANADA BIOSURFACTANT MARKET, 2022-2032 (\$MILLION)

FIGURE 28. MEXICO BIOSURFACTANT MARKET, 2022-2032 (\$MILLION)

FIGURE 29. GERMANY BIOSURFACTANT MARKET, 2022-2032 (\$MILLION)

FIGURE 30. UK BIOSURFACTANT MARKET, 2022-2032 (\$MILLION)

FIGURE 31. FRANCE BIOSURFACTANT MARKET, 2022-2032 (\$MILLION)

FIGURE 32. SPAIN BIOSURFACTANT MARKET, 2022-2032 (\$MILLION)

FIGURE 33. ITALY BIOSURFACTANT MARKET, 2022-2032 (\$MILLION)

FIGURE 34. REST OF EUROPE BIOSURFACTANT MARKET, 2022-2032 (\$MILLION)

FIGURE 35. CHINA BIOSURFACTANT MARKET, 2022-2032 (\$MILLION)

FIGURE 36. INDIA BIOSURFACTANT MARKET, 2022-2032 (\$MILLION)

FIGURE 37. JAPAN BIOSURFACTANT MARKET, 2022-2032 (\$MILLION)

FIGURE 38. SOUTH KOREA BIOSURFACTANT MARKET, 2022-2032 (\$MILLION)

FIGURE 39. AUSTRALIA BIOSURFACTANT MARKET, 2022-2032 (\$MILLION)

FIGURE 40. REST OF ASIA-PACIFIC BIOSURFACTANT MARKET, 2022-2032 (\$MILLION)

FIGURE 41. BRAZIL BIOSURFACTANT MARKET, 2022-2032 (\$MILLION)

FIGURE 42. SAUDI ARABIA BIOSURFACTANT MARKET, 2022-2032 (\$MILLION)

FIGURE 43. SOUTH AFRICA BIOSURFACTANT MARKET, 2022-2032 (\$MILLION)

FIGURE 44. REST OF LAMEA BIOSURFACTANT MARKET, 2022-2032 (\$MILLION)

FIGURE 45. TOP WINNING STRATEGIES, BY YEAR (2022)

FIGURE 46. TOP WINNING STRATEGIES, BY DEVELOPMENT (2022)

FIGURE 47. TOP WINNING STRATEGIES, BY COMPANY (2022)

FIGURE 48. PRODUCT MAPPING OF TOP 10 PLAYERS

FIGURE 49. COMPETITIVE DASHBOARD

FIGURE 50. COMPETITIVE HEATMAP: BIOSURFACTANT MARKET

FIGURE 51. TOP PLAYER POSITIONING, 2022

## I would like to order

Product name: Biosurfactant Market By Type (Glycolipids, Fatty Acids, Phospholipids and Neutral Fats, Lipopeptides, Polymeric Biosurfactants, Others), By Application (Detergent, Cosmetics, Medicine, Food, Bioremediation, Agriculture, Others): Global Opportunity Analysis and Industry Forecast, 2022 - 2032

Product link: <https://marketpublishers.com/r/B1ADA4D159E9EN.html>

Price: US\$ 3,570.00 (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/B1ADA4D159E9EN.html>