

Global Bio-surfactants Market Growth 2022-2028

<https://marketpublishers.com/r/G6C6B98CD63BEN.html>

Date: January 2022

Pages: 112

Price: US\$ 3,660.00 (Single User License)

ID: G6C6B98CD63BEN

Abstracts

The report requires updating with new data and is sent in 48 hours after order is placed.

As the global economy mends, the 2021 growth of Bio-surfactants will have significant change from previous year. According to our (LP Information) latest study, the global Bio-surfactants market size is USD million in 2022 from USD 1305.1 million in 2021, with a change of % between 2021 and 2022. The global Bio-surfactants market size will reach USD 1628.8 million in 2028, growing at a CAGR of 3.2% over the analysis period.

The United States Bio-surfactants market is expected at value of US\$ million in 2021 and grow at approximately % CAGR during review period. China constitutes a % market for the global Bio-surfactants market, reaching US\$ million by the year 2028. As for the Europe Bio-surfactants landscape, Germany is projected to reach US\$ million by 2028 trailing a CAGR of % over the forecast period. In APAC, the growth rates of other notable markets (Japan and South Korea) are projected to be at % and % respectively for the next 5-year period.

Global main Bio-surfactants players cover Akzo Nobel, BASF, Croda International, and Ecover, etc. In terms of revenue, the global largest two companies occupy a share nearly % in 2021.

This report presents a comprehensive overview, market shares, and growth opportunities of Bio-surfactants market by product type, application, key manufacturers and key regions and countries.

Segmentation by type: breakdown data from 2017 to 2022, in Section 2.3; and forecast to 2028 in section 12.6

An-ionic Surfactant

Cationic Surfactants

Amphoteric Surfactants

Segmentation by application: breakdown data from 2017 to 2022, in Section 2.4; and forecast to 2028 in section 12.7.

Foaming Agent

Detergent

Agricultural

Pharmaceutical

Food

Other

This report also splits the market by region: Breakdown data in Chapter 4, 5, 6, 7 and 8.

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The report also presents the market competition landscape and a corresponding detailed analysis of the prominent manufacturers in this market, include

Akzo Nobel

BASF

Croda International

Ecover

Saraya

AGAE Technologies

Clariant

Evonik

GlycoSurf

Jeneil Biotech

Kemin Industries

Logos Technologies

SEPPIC

Stepan

TensioGreen

Contents

1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered

2 EXECUTIVE SUMMARY

- 2.1 World Market Overview
 - 2.1.1 Global Bio-surfactants Annual Sales 2017-2028
 - 2.1.2 World Current & Future Analysis for Bio-surfactants by Geographic Region, 2017, 2022 & 2028
 - 2.1.3 World Current & Future Analysis for Bio-surfactants by Country/Region, 2017, 2022 & 2028
- 2.2 Bio-surfactants Segment by Type
 - 2.2.1 An-ionic Surfactant
 - 2.2.2 Cationic Surfactants
 - 2.2.3 Amphoteric Surfactants
- 2.3 Bio-surfactants Sales by Type
 - 2.3.1 Global Bio-surfactants Sales Market Share by Type (2017-2022)
 - 2.3.2 Global Bio-surfactants Revenue and Market Share by Type (2017-2022)
 - 2.3.3 Global Bio-surfactants Sale Price by Type (2017-2022)
- 2.4 Bio-surfactants Segment by Application
 - 2.4.1 Foaming Agent
 - 2.4.2 Detergent
 - 2.4.3 Agricultural
 - 2.4.4 Pharmaceutical
 - 2.4.5 Food
 - 2.4.6 Other
- 2.5 Bio-surfactants Sales by Application
 - 2.5.1 Global Bio-surfactants Sale Market Share by Application (2017-2022)
 - 2.5.2 Global Bio-surfactants Revenue and Market Share by Application (2017-2022)
 - 2.5.3 Global Bio-surfactants Sale Price by Application (2017-2022)

3 GLOBAL BIO-SURFACTANTS BY COMPANY

- 3.1 Global Bio-surfactants Breakdown Data by Company
 - 3.1.1 Global Bio-surfactants Annual Sales by Company (2020-2022)
 - 3.1.2 Global Bio-surfactants Sales Market Share by Company (2020-2022)
- 3.2 Global Bio-surfactants Annual Revenue by Company (2020-2022)
 - 3.2.1 Global Bio-surfactants Revenue by Company (2020-2022)
 - 3.2.2 Global Bio-surfactants Revenue Market Share by Company (2020-2022)
- 3.3 Global Bio-surfactants Sale Price by Company
- 3.4 Key Manufacturers Bio-surfactants Producing Area Distribution, Sales Area, Product Type
 - 3.4.1 Key Manufacturers Bio-surfactants Product Location Distribution
 - 3.4.2 Players Bio-surfactants Products Offered
- 3.5 Market Concentration Rate Analysis
 - 3.5.1 Competition Landscape Analysis
 - 3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2020-2022)
- 3.6 New Products and Potential Entrants
- 3.7 Mergers & Acquisitions, Expansion

4 WORLD HISTORIC REVIEW FOR BIO-SURFACTANTS BY GEOGRAPHIC REGION

- 4.1 World Historic Bio-surfactants Market Size by Geographic Region (2017-2022)
 - 4.1.1 Global Bio-surfactants Annual Sales by Geographic Region (2017-2022)
 - 4.1.2 Global Bio-surfactants Annual Revenue by Geographic Region
- 4.2 World Historic Bio-surfactants Market Size by Country/Region (2017-2022)
 - 4.2.1 Global Bio-surfactants Annual Sales by Country/Region (2017-2022)
 - 4.2.2 Global Bio-surfactants Annual Revenue by Country/Region
- 4.3 Americas Bio-surfactants Sales Growth
- 4.4 APAC Bio-surfactants Sales Growth
- 4.5 Europe Bio-surfactants Sales Growth
- 4.6 Middle East & Africa Bio-surfactants Sales Growth

5 AMERICAS

- 5.1 Americas Bio-surfactants Sales by Country
 - 5.1.1 Americas Bio-surfactants Sales by Country (2017-2022)
 - 5.1.2 Americas Bio-surfactants Revenue by Country (2017-2022)

- 5.2 Americas Bio-surfactants Sales by Type
- 5.3 Americas Bio-surfactants Sales by Application
- 5.4 United States
- 5.5 Canada
- 5.6 Mexico
- 5.7 Brazil

6 APAC

- 6.1 APAC Bio-surfactants Sales by Region
 - 6.1.1 APAC Bio-surfactants Sales by Region (2017-2022)
 - 6.1.2 APAC Bio-surfactants Revenue by Region (2017-2022)
- 6.2 APAC Bio-surfactants Sales by Type
- 6.3 APAC Bio-surfactants Sales by Application
- 6.4 China
- 6.5 Japan
- 6.6 South Korea
- 6.7 Southeast Asia
- 6.8 India
- 6.9 Australia
- 6.10 China Taiwan

7 EUROPE

- 7.1 Europe Bio-surfactants by Country
 - 7.1.1 Europe Bio-surfactants Sales by Country (2017-2022)
 - 7.1.2 Europe Bio-surfactants Revenue by Country (2017-2022)
- 7.2 Europe Bio-surfactants Sales by Type
- 7.3 Europe Bio-surfactants Sales by Application
- 7.4 Germany
- 7.5 France
- 7.6 UK
- 7.7 Italy
- 7.8 Russia

8 MIDDLE EAST & AFRICA

- 8.1 Middle East & Africa Bio-surfactants by Country
 - 8.1.1 Middle East & Africa Bio-surfactants Sales by Country (2017-2022)

- 8.1.2 Middle East & Africa Bio-surfactants Revenue by Country (2017-2022)
- 8.2 Middle East & Africa Bio-surfactants Sales by Type
- 8.3 Middle East & Africa Bio-surfactants Sales by Application
- 8.4 Egypt
- 8.5 South Africa
- 8.6 Israel
- 8.7 Turkey
- 8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

- 9.1 Market Drivers & Growth Opportunities
- 9.2 Market Challenges & Risks
- 9.3 Industry Trends

10 MANUFACTURING COST STRUCTURE ANALYSIS

- 10.1 Raw Material and Suppliers
- 10.2 Manufacturing Cost Structure Analysis of Bio-surfactants
- 10.3 Manufacturing Process Analysis of Bio-surfactants
- 10.4 Industry Chain Structure of Bio-surfactants

11 MARKETING, DISTRIBUTORS AND CUSTOMER

- 11.1 Sales Channel
 - 11.1.1 Direct Channels
 - 11.1.2 Indirect Channels
- 11.2 Bio-surfactants Distributors
- 11.3 Bio-surfactants Customer

12 WORLD FORECAST REVIEW FOR BIO-SURFACTANTS BY GEOGRAPHIC REGION

- 12.1 Global Bio-surfactants Market Size Forecast by Region
 - 12.1.1 Global Bio-surfactants Forecast by Region (2023-2028)
 - 12.1.2 Global Bio-surfactants Annual Revenue Forecast by Region (2023-2028)
- 12.2 Americas Forecast by Country
- 12.3 APAC Forecast by Region
- 12.4 Europe Forecast by Country

- 12.5 Middle East & Africa Forecast by Country
- 12.6 Global Bio-surfactants Forecast by Type
- 12.7 Global Bio-surfactants Forecast by Application

13 KEY PLAYERS ANALYSIS

13.1 Akzo Nobel

- 13.1.1 Akzo Nobel Company Information
- 13.1.2 Akzo Nobel Bio-surfactants Product Offered
- 13.1.3 Akzo Nobel Bio-surfactants Sales, Revenue, Price and Gross Margin (2020-2022)
- 13.1.4 Akzo Nobel Main Business Overview
- 13.1.5 Akzo Nobel Latest Developments

13.2 BASF

- 13.2.1 BASF Company Information
- 13.2.2 BASF Bio-surfactants Product Offered
- 13.2.3 BASF Bio-surfactants Sales, Revenue, Price and Gross Margin (2020-2022)
- 13.2.4 BASF Main Business Overview
- 13.2.5 BASF Latest Developments

13.3 Croda International

- 13.3.1 Croda International Company Information
- 13.3.2 Croda International Bio-surfactants Product Offered
- 13.3.3 Croda International Bio-surfactants Sales, Revenue, Price and Gross Margin (2020-2022)
- 13.3.4 Croda International Main Business Overview
- 13.3.5 Croda International Latest Developments

13.4 Ecover

- 13.4.1 Ecover Company Information
- 13.4.2 Ecover Bio-surfactants Product Offered
- 13.4.3 Ecover Bio-surfactants Sales, Revenue, Price and Gross Margin (2020-2022)
- 13.4.4 Ecover Main Business Overview
- 13.4.5 Ecover Latest Developments

13.5 Saraya

- 13.5.1 Saraya Company Information
- 13.5.2 Saraya Bio-surfactants Product Offered
- 13.5.3 Saraya Bio-surfactants Sales, Revenue, Price and Gross Margin (2020-2022)
- 13.5.4 Saraya Main Business Overview
- 13.5.5 Saraya Latest Developments

13.6 AGAE Technologies

- 13.6.1 AGAE Technologies Company Information
- 13.6.2 AGAE Technologies Bio-surfactants Product Offered
- 13.6.3 AGAE Technologies Bio-surfactants Sales, Revenue, Price and Gross Margin (2020-2022)
- 13.6.4 AGAE Technologies Main Business Overview
- 13.6.5 AGAE Technologies Latest Developments
- 13.7 Clariant
 - 13.7.1 Clariant Company Information
 - 13.7.2 Clariant Bio-surfactants Product Offered
 - 13.7.3 Clariant Bio-surfactants Sales, Revenue, Price and Gross Margin (2020-2022)
 - 13.7.4 Clariant Main Business Overview
 - 13.7.5 Clariant Latest Developments
- 13.8 Evonik
 - 13.8.1 Evonik Company Information
 - 13.8.2 Evonik Bio-surfactants Product Offered
 - 13.8.3 Evonik Bio-surfactants Sales, Revenue, Price and Gross Margin (2020-2022)
 - 13.8.4 Evonik Main Business Overview
 - 13.8.5 Evonik Latest Developments
- 13.9 GlycoSurf
 - 13.9.1 GlycoSurf Company Information
 - 13.9.2 GlycoSurf Bio-surfactants Product Offered
 - 13.9.3 GlycoSurf Bio-surfactants Sales, Revenue, Price and Gross Margin (2020-2022)
 - 13.9.4 GlycoSurf Main Business Overview
 - 13.9.5 GlycoSurf Latest Developments
- 13.10 Jeneil Biotech
 - 13.10.1 Jeneil Biotech Company Information
 - 13.10.2 Jeneil Biotech Bio-surfactants Product Offered
 - 13.10.3 Jeneil Biotech Bio-surfactants Sales, Revenue, Price and Gross Margin (2020-2022)
 - 13.10.4 Jeneil Biotech Main Business Overview
 - 13.10.5 Jeneil Biotech Latest Developments
- 13.11 Kemin Industries
 - 13.11.1 Kemin Industries Company Information
 - 13.11.2 Kemin Industries Bio-surfactants Product Offered
 - 13.11.3 Kemin Industries Bio-surfactants Sales, Revenue, Price and Gross Margin (2020-2022)
 - 13.11.4 Kemin Industries Main Business Overview
 - 13.11.5 Kemin Industries Latest Developments

13.12 Logos Technologies

13.12.1 Logos Technologies Company Information

13.12.2 Logos Technologies Bio-surfactants Product Offered

13.12.3 Logos Technologies Bio-surfactants Sales, Revenue, Price and Gross Margin (2020-2022)

13.12.4 Logos Technologies Main Business Overview

13.12.5 Logos Technologies Latest Developments

13.13 SEPPIC

13.13.1 SEPPIC Company Information

13.13.2 SEPPIC Bio-surfactants Product Offered

13.13.3 SEPPIC Bio-surfactants Sales, Revenue, Price and Gross Margin (2020-2022)

13.13.4 SEPPIC Main Business Overview

13.13.5 SEPPIC Latest Developments

13.14 Stepan

13.14.1 Stepan Company Information

13.14.2 Stepan Bio-surfactants Product Offered

13.14.3 Stepan Bio-surfactants Sales, Revenue, Price and Gross Margin (2020-2022)

13.14.4 Stepan Main Business Overview

13.14.5 Stepan Latest Developments

13.15 TensioGreen

13.15.1 TensioGreen Company Information

13.15.2 TensioGreen Bio-surfactants Product Offered

13.15.3 TensioGreen Bio-surfactants Sales, Revenue, Price and Gross Margin (2020-2022)

13.15.4 TensioGreen Main Business Overview

13.15.5 TensioGreen Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

Table 1. Bio-surfactants Annual Sales CAGR by Geographic Region (2017, 2022 & 2028) & (\$ millions)

Table 2. Bio-surfactants Annual Sales CAGR by Country/Region (2017, 2022 & 2028) & (\$ millions)

Table 3. Major Players of An-ionic Surfactant

Table 4. Major Players of Cationic Surfactants

Table 5. Major Players of Amphoteric Surfactants

Table 6. Global Bio-surfactants Sales by Type (2017-2022) & (K MT)

Table 7. Global Bio-surfactants Sales Market Share by Type (2017-2022)

Table 8. Global Bio-surfactants Revenue by Type (2017-2022) & (\$ million)

Table 9. Global Bio-surfactants Revenue Market Share by Type (2017-2022)

Table 10. Global Bio-surfactants Sale Price by Type (2017-2022) & (USD/MT)

Table 11. Global Bio-surfactants Sales by Application (2017-2022) & (K MT)

Table 12. Global Bio-surfactants Sales Market Share by Application (2017-2022)

Table 13. Global Bio-surfactants Revenue by Application (2017-2022)

Table 14. Global Bio-surfactants Revenue Market Share by Application (2017-2022)

Table 15. Global Bio-surfactants Sale Price by Application (2017-2022) & (USD/MT)

Table 16. Global Bio-surfactants Sales by Company (2020-2022) & (K MT)

Table 17. Global Bio-surfactants Sales Market Share by Company (2020-2022)

Table 18. Global Bio-surfactants Revenue by Company (2020-2022) (\$ Millions)

Table 19. Global Bio-surfactants Revenue Market Share by Company (2020-2022)

Table 20. Global Bio-surfactants Sale Price by Company (2020-2022) & (USD/MT)

Table 21. Key Manufacturers Bio-surfactants Producing Area Distribution and Sales Area

Table 22. Players Bio-surfactants Products Offered

Table 23. Bio-surfactants Concentration Ratio (CR3, CR5 and CR10) & (2020-2022)

Table 24. New Products and Potential Entrants

Table 25. Mergers & Acquisitions, Expansion

Table 26. Global Bio-surfactants Sales by Geographic Region (2017-2022) & (K MT)

Table 27. Global Bio-surfactants Sales Market Share Geographic Region (2017-2022)

Table 28. Global Bio-surfactants Revenue by Geographic Region (2017-2022) & (\$ millions)

Table 29. Global Bio-surfactants Revenue Market Share by Geographic Region (2017-2022)

Table 30. Global Bio-surfactants Sales by Country/Region (2017-2022) & (K MT)

- Table 31. Global Bio-surfactants Sales Market Share by Country/Region (2017-2022)
- Table 32. Global Bio-surfactants Revenue by Country/Region (2017-2022) & (\$ millions)
- Table 33. Global Bio-surfactants Revenue Market Share by Country/Region (2017-2022)
- Table 34. Americas Bio-surfactants Sales by Country (2017-2022) & (K MT)
- Table 35. Americas Bio-surfactants Sales Market Share by Country (2017-2022)
- Table 36. Americas Bio-surfactants Revenue by Country (2017-2022) & (\$ Millions)
- Table 37. Americas Bio-surfactants Revenue Market Share by Country (2017-2022)
- Table 38. Americas Bio-surfactants Sales by Type (2017-2022) & (K MT)
- Table 39. Americas Bio-surfactants Sales Market Share by Type (2017-2022)
- Table 40. Americas Bio-surfactants Sales by Application (2017-2022) & (K MT)
- Table 41. Americas Bio-surfactants Sales Market Share by Application (2017-2022)
- Table 42. APAC Bio-surfactants Sales by Region (2017-2022) & (K MT)
- Table 43. APAC Bio-surfactants Sales Market Share by Region (2017-2022)
- Table 44. APAC Bio-surfactants Revenue by Region (2017-2022) & (\$ Millions)
- Table 45. APAC Bio-surfactants Revenue Market Share by Region (2017-2022)
- Table 46. APAC Bio-surfactants Sales by Type (2017-2022) & (K MT)
- Table 47. APAC Bio-surfactants Sales Market Share by Type (2017-2022)
- Table 48. APAC Bio-surfactants Sales by Application (2017-2022) & (K MT)
- Table 49. APAC Bio-surfactants Sales Market Share by Application (2017-2022)
- Table 50. Europe Bio-surfactants Sales by Country (2017-2022) & (K MT)
- Table 51. Europe Bio-surfactants Sales Market Share by Country (2017-2022)
- Table 52. Europe Bio-surfactants Revenue by Country (2017-2022) & (\$ Millions)
- Table 53. Europe Bio-surfactants Revenue Market Share by Country (2017-2022)
- Table 54. Europe Bio-surfactants Sales by Type (2017-2022) & (K MT)
- Table 55. Europe Bio-surfactants Sales Market Share by Type (2017-2022)
- Table 56. Europe Bio-surfactants Sales by Application (2017-2022) & (K MT)
- Table 57. Europe Bio-surfactants Sales Market Share by Application (2017-2022)
- Table 58. Middle East & Africa Bio-surfactants Sales by Country (2017-2022) & (K MT)
- Table 59. Middle East & Africa Bio-surfactants Sales Market Share by Country (2017-2022)
- Table 60. Middle East & Africa Bio-surfactants Revenue by Country (2017-2022) & (\$ Millions)
- Table 61. Middle East & Africa Bio-surfactants Revenue Market Share by Country (2017-2022)
- Table 62. Middle East & Africa Bio-surfactants Sales by Type (2017-2022) & (K MT)
- Table 63. Middle East & Africa Bio-surfactants Sales Market Share by Type (2017-2022)
- Table 64. Middle East & Africa Bio-surfactants Sales by Application (2017-2022) & (K

MT)

Table 65. Middle East & Africa Bio-surfactants Sales Market Share by Application (2017-2022)

Table 66. Key Market Drivers & Growth Opportunities of Bio-surfactants

Table 67. Key Market Challenges & Risks of Bio-surfactants

Table 68. Key Industry Trends of Bio-surfactants

Table 69. Bio-surfactants Raw Material

Table 70. Key Suppliers of Raw Materials

Table 71. Bio-surfactants Distributors List

Table 72. Bio-surfactants Customer List

Table 73. Global Bio-surfactants Sales Forecast by Region (2023-2028) & (K MT)

Table 74. Global Bio-surfactants Sales Market Forecast by Region

Table 75. Global Bio-surfactants Revenue Forecast by Region (2023-2028) & (\$ millions)

Table 76. Global Bio-surfactants Revenue Market Share Forecast by Region (2023-2028)

Table 77. Americas Bio-surfactants Sales Forecast by Country (2023-2028) & (K MT)

Table 78. Americas Bio-surfactants Revenue Forecast by Country (2023-2028) & (\$ millions)

Table 79. APAC Bio-surfactants Sales Forecast by Region (2023-2028) & (K MT)

Table 80. APAC Bio-surfactants Revenue Forecast by Region (2023-2028) & (\$ millions)

Table 81. Europe Bio-surfactants Sales Forecast by Country (2023-2028) & (K MT)

Table 82. Europe Bio-surfactants Revenue Forecast by Country (2023-2028) & (\$ millions)

Table 83. Middle East & Africa Bio-surfactants Sales Forecast by Country (2023-2028) & (K MT)

Table 84. Middle East & Africa Bio-surfactants Revenue Forecast by Country (2023-2028) & (\$ millions)

Table 85. Global Bio-surfactants Sales Forecast by Type (2023-2028) & (K MT)

Table 86. Global Bio-surfactants Sales Market Share Forecast by Type (2023-2028)

Table 87. Global Bio-surfactants Revenue Forecast by Type (2023-2028) & (\$ Millions)

Table 88. Global Bio-surfactants Revenue Market Share Forecast by Type (2023-2028)

Table 89. Global Bio-surfactants Sales Forecast by Application (2023-2028) & (K MT)

Table 90. Global Bio-surfactants Sales Market Share Forecast by Application (2023-2028)

Table 91. Global Bio-surfactants Revenue Forecast by Application (2023-2028) & (\$ Millions)

Table 92. Global Bio-surfactants Revenue Market Share Forecast by Application

(2023-2028)

Table 93. Akzo Nobel Basic Information, Bio-surfactants Manufacturing Base, Sales Area and Its Competitors

Table 94. Akzo Nobel Bio-surfactants Product Offered

Table 95. Akzo Nobel Bio-surfactants Sales (K MT), Revenue (\$ Million), Price (USD/MT) and Gross Margin (2020-2022)

Table 96. Akzo Nobel Main Business

Table 97. Akzo Nobel Latest Developments

Table 98. BASF Basic Information, Bio-surfactants Manufacturing Base, Sales Area and Its Competitors

Table 99. BASF Bio-surfactants Product Offered

Table 100. BASF Bio-surfactants Sales (K MT), Revenue (\$ Million), Price (USD/MT) and Gross Margin (2020-2022)

Table 101. BASF Main Business

Table 102. BASF Latest Developments

Table 103. Croda International Basic Information, Bio-surfactants Manufacturing Base, Sales Area and Its Competitors

Table 104. Croda International Bio-surfactants Product Offered

Table 105. Croda International Bio-surfactants Sales (K MT), Revenue (\$ Million), Price (USD/MT) and Gross Margin (2020-2022)

Table 106. Croda International Main Business

Table 107. Croda International Latest Developments

Table 108. Ecover Basic Information, Bio-surfactants Manufacturing Base, Sales Area and Its Competitors

Table 109. Ecover Bio-surfactants Product Offered

Table 110. Ecover Bio-surfactants Sales (K MT), Revenue (\$ Million), Price (USD/MT) and Gross Margin (2020-2022)

Table 111. Ecover Main Business

Table 112. Ecover Latest Developments

Table 113. Saraya Basic Information, Bio-surfactants Manufacturing Base, Sales Area and Its Competitors

Table 114. Saraya Bio-surfactants Product Offered

Table 115. Saraya Bio-surfactants Sales (K MT), Revenue (\$ Million), Price (USD/MT) and Gross Margin (2020-2022)

Table 116. Saraya Main Business

Table 117. Saraya Latest Developments

Table 118. AGAE Technologies Basic Information, Bio-surfactants Manufacturing Base, Sales Area and Its Competitors

Table 119. AGAE Technologies Bio-surfactants Product Offered

Table 120. AGAE Technologies Bio-surfactants Sales (K MT), Revenue (\$ Million), Price (USD/MT) and Gross Margin (2020-2022)

Table 121. AGAE Technologies Main Business

Table 122. AGAE Technologies Latest Developments

Table 123. Clariant Basic Information, Bio-surfactants Manufacturing Base, Sales Area and Its Competitors

Table 124. Clariant Bio-surfactants Product Offered

Table 125. Clariant Bio-surfactants Sales (K MT), Revenue (\$ Million), Price (USD/MT) and Gross Margin (2020-2022)

Table 126. Clariant Main Business

Table 127. Clariant Latest Developments

Table 128. Evonik Basic Information, Bio-surfactants Manufacturing Base, Sales Area and Its Competitors

Table 129. Evonik Bio-surfactants Product Offered

Table 130. Evonik Bio-surfactants Sales (K MT), Revenue (\$ Million), Price (USD/MT) and Gross Margin (2020-2022)

Table 131. Evonik Main Business

Table 132. Evonik Latest Developments

Table 133. GlycoSurf Basic Information, Bio-surfactants Manufacturing Base, Sales Area and Its Competitors

Table 134. GlycoSurf Bio-surfactants Product Offered

Table 135. GlycoSurf Bio-surfactants Sales (K MT), Revenue (\$ Million), Price (USD/MT) and Gross Margin (2020-2022)

Table 136. GlycoSurf Main Business

Table 137. GlycoSurf Latest Developments

Table 138. Jeneil Biotech Basic Information, Bio-surfactants Manufacturing Base, Sales Area and Its Competitors

Table 139. Jeneil Biotech Bio-surfactants Product Offered

Table 140. Jeneil Biotech Bio-surfactants Sales (K MT), Revenue (\$ Million), Price (USD/MT) and Gross Margin (2020-2022)

Table 141. Jeneil Biotech Main Business

Table 142. Jeneil Biotech Latest Developments

Table 143. Kemin Industries Basic Information, Bio-surfactants Manufacturing Base, Sales Area and Its Competitors

Table 144. Kemin Industries Bio-surfactants Product Offered

Table 145. Kemin Industries Bio-surfactants Sales (K MT), Revenue (\$ Million), Price (USD/MT) and Gross Margin (2020-2022)

Table 146. Kemin Industries Main Business

Table 147. Kemin Industries Latest Developments

Table 148. Logos Technologies Basic Information, Bio-surfactants Manufacturing Base, Sales Area and Its Competitors

Table 149. Logos Technologies Bio-surfactants Product Offered

Table 150. Logos Technologies Bio-surfactants Sales (K MT), Revenue (\$ Million), Price (USD/MT) and Gross Margin (2020-2022)

Table 151. Logos Technologies Main Business

Table 152. Logos Technologies Latest Developments

Table 153. SEPPIC Basic Information, Bio-surfactants Manufacturing Base, Sales Area and Its Competitors

Table 154. SEPPIC Bio-surfactants Product Offered

Table 155. SEPPIC Bio-surfactants Sales (K MT), Revenue (\$ Million), Price (USD/MT) and Gross Margin (2020-2022)

Table 156. SEPPIC Main Business

Table 157. SEPPIC Latest Developments

Table 158. Stepan Basic Information, Bio-surfactants Manufacturing Base, Sales Area and Its Competitors

Table 159. Stepan Bio-surfactants Product Offered

Table 160. Stepan Bio-surfactants Sales (K MT), Revenue (\$ Million), Price (USD/MT) and Gross Margin (2020-2022)

Table 161. Stepan Main Business

Table 162. Stepan Latest Developments

Table 163. TensioGreen Basic Information, Bio-surfactants Manufacturing Base, Sales Area and Its Competitors

Table 164. TensioGreen Bio-surfactants Product Offered

Table 165. TensioGreen Bio-surfactants Sales (K MT), Revenue (\$ Million), Price (USD/MT) and Gross Margin (2020-2022)

Table 166. TensioGreen Main Business

Table 167. TensioGreen Latest Developments

List Of Figures

LIST OF FIGURES

- Figure 1. Picture of Bio-surfactants
- Figure 2. Bio-surfactants Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Bio-surfactants Sales Growth Rate 2017-2028 (K MT)
- Figure 7. Global Bio-surfactants Revenue Growth Rate 2017-2028 (\$ Millions)
- Figure 8. Bio-surfactants Sales by Region (2021 & 2028) & (\$ millions)
- Figure 9. Product Picture of An-ionic Surfactant
- Figure 10. Product Picture of Cationic Surfactants
- Figure 11. Product Picture of Amphoteric Surfactants
- Figure 12. Global Bio-surfactants Sales Market Share by Type in 2021
- Figure 13. Global Bio-surfactants Revenue Market Share by Type (2017-2022)
- Figure 14. Bio-surfactants Consumed in Foaming Agent
- Figure 15. Global Bio-surfactants Market: Foaming Agent (2017-2022) & (K MT)
- Figure 16. Bio-surfactants Consumed in Detergent
- Figure 17. Global Bio-surfactants Market: Detergent (2017-2022) & (K MT)
- Figure 18. Bio-surfactants Consumed in Agricultural
- Figure 19. Global Bio-surfactants Market: Agricultural (2017-2022) & (K MT)
- Figure 20. Bio-surfactants Consumed in Pharmaceutical
- Figure 21. Global Bio-surfactants Market: Pharmaceutical (2017-2022) & (K MT)
- Figure 22. Bio-surfactants Consumed in Food
- Figure 23. Global Bio-surfactants Market: Food (2017-2022) & (K MT)
- Figure 24. Bio-surfactants Consumed in Other
- Figure 25. Global Bio-surfactants Market: Other (2017-2022) & (K MT)
- Figure 26. Global Bio-surfactants Sales Market Share by Application (2017-2022)
- Figure 27. Global Bio-surfactants Revenue Market Share by Application in 2021
- Figure 28. Bio-surfactants Revenue Market by Company in 2021 (\$ Million)
- Figure 29. Global Bio-surfactants Revenue Market Share by Company in 2021
- Figure 30. Global Bio-surfactants Sales Market Share by Geographic Region (2017-2022)
- Figure 31. Global Bio-surfactants Revenue Market Share by Geographic Region in 2021
- Figure 32. Global Bio-surfactants Sales Market Share by Region (2017-2022)
- Figure 33. Global Bio-surfactants Revenue Market Share by Country/Region in 2021
- Figure 34. Americas Bio-surfactants Sales 2017-2022 (K MT)

- Figure 35. Americas Bio-surfactants Revenue 2017-2022 (\$ Millions)
- Figure 36. APAC Bio-surfactants Sales 2017-2022 (K MT)
- Figure 37. APAC Bio-surfactants Revenue 2017-2022 (\$ Millions)
- Figure 38. Europe Bio-surfactants Sales 2017-2022 (K MT)
- Figure 39. Europe Bio-surfactants Revenue 2017-2022 (\$ Millions)
- Figure 40. Middle East & Africa Bio-surfactants Sales 2017-2022 (K MT)
- Figure 41. Middle East & Africa Bio-surfactants Revenue 2017-2022 (\$ Millions)
- Figure 42. Americas Bio-surfactants Sales Market Share by Country in 2021
- Figure 43. Americas Bio-surfactants Revenue Market Share by Country in 2021
- Figure 44. United States Bio-surfactants Revenue Growth 2017-2022 (\$ Millions)
- Figure 45. Canada Bio-surfactants Revenue Growth 2017-2022 (\$ Millions)
- Figure 46. Mexico Bio-surfactants Revenue Growth 2017-2022 (\$ Millions)
- Figure 47. Brazil Bio-surfactants Revenue Growth 2017-2022 (\$ Millions)
- Figure 48. APAC Bio-surfactants Sales Market Share by Region in 2021
- Figure 49. APAC Bio-surfactants Revenue Market Share by Regions in 2021
- Figure 50. China Bio-surfactants Revenue Growth 2017-2022 (\$ Millions)
- Figure 51. Japan Bio-surfactants Revenue Growth 2017-2022 (\$ Millions)
- Figure 52. South Korea Bio-surfactants Revenue Growth 2017-2022 (\$ Millions)
- Figure 53. Southeast Asia Bio-surfactants Revenue Growth 2017-2022 (\$ Millions)
- Figure 54. India Bio-surfactants Revenue Growth 2017-2022 (\$ Millions)
- Figure 55. Australia Bio-surfactants Revenue Growth 2017-2022 (\$ Millions)
- Figure 56. Europe Bio-surfactants Sales Market Share by Country in 2021
- Figure 57. Europe Bio-surfactants Revenue Market Share by Country in 2021
- Figure 58. Germany Bio-surfactants Revenue Growth 2017-2022 (\$ Millions)
- Figure 59. France Bio-surfactants Revenue Growth 2017-2022 (\$ Millions)
- Figure 60. UK Bio-surfactants Revenue Growth 2017-2022 (\$ Millions)
- Figure 61. Italy Bio-surfactants Revenue Growth 2017-2022 (\$ Millions)
- Figure 62. Russia Bio-surfactants Revenue Growth 2017-2022 (\$ Millions)
- Figure 63. Middle East & Africa Bio-surfactants Sales Market Share by Country in 2021
- Figure 64. Middle East & Africa Bio-surfactants Revenue Market Share by Country in 2021
- Figure 65. Egypt Bio-surfactants Revenue Growth 2017-2022 (\$ Millions)
- Figure 66. South Africa Bio-surfactants Revenue Growth 2017-2022 (\$ Millions)
- Figure 67. Israel Bio-surfactants Revenue Growth 2017-2022 (\$ Millions)
- Figure 68. Turkey Bio-surfactants Revenue Growth 2017-2022 (\$ Millions)
- Figure 69. GCC Country Bio-surfactants Revenue Growth 2017-2022 (\$ Millions)
- Figure 70. Manufacturing Cost Structure Analysis of Bio-surfactants in 2021
- Figure 71. Manufacturing Process Analysis of Bio-surfactants
- Figure 72. Industry Chain Structure of Bio-surfactants

Figure 73. Channels of Distribution
Figure 74. Distributors Profiles

I would like to order

Product name: Global Bio-surfactants Market Growth 2022-2028

Product link: <https://marketpublishers.com/r/G6C6B98CD63BEN.html>

Price: US\$ 3,660.00 (Single User License / Electronic Delivery)

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

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G6C6B98CD63BEN.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