

Biosurfactants Market Report by Product (Rhamnolipids, Sophorolipids, Methyl Ester Sulfonates (MES), Alkyl Polyglucosides (APG), Sorbitan Esters, Sucrose Esters, and Others), Source (Bacteria, Fungi, Agricultural Waste, Agro-Industrial Waste), Application (Household Detergents, Personal Care, Industrial Cleaners, Food Processing, Oilfield Chemicals, Agricultural Chemicals, Textiles, and Others), and Region 2025-2033

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Report description:

The global biosurfactants market size reached USD 2.80 Billion in 2024. Looking forward, IMARC Group expects the market to reach USD 4.20 Billion by 2033, exhibiting a growth rate (CAGR) of 4.42% during 2025-2033.

Biosurfactants are active compounds made using bacteria, yeasts, and filamentous fungi. They offer several advantages over their synthetic counterparts, which include low toxicity, high biodegradability, and ease of preparation. As a result, they are employed in the textile, chemicals, mining, agriculture, cosmetics, pharmaceutical, and food and beverage (F&B) industries worldwide as wetting agents and functional ingredients. Besides this, as they enhance the solubility and reduce interfacial surface tension, biosurfactants are also utilized as emulsifiers in fossil fuel recovery from petroleum tank bottom sludges and in the bioremediation of heavy crude oil.

Biosurfactants Market Trends:

The rising need for enhancing crop productivity represents one of the key factors positively influencing the utilization of biosurfactants in the agriculture industry. Biosurfactants are used for hydrophilization of heavy soils to obtain good wettability and

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evenly distribute fertilizer in the soil. Moreover, growing environmental concerns and increasing risks associated with chemical surfactants are catalyzing the demand for ecofriendly biosurfactants, which are further used in the manufacturing of commercial laundry detergents. Apart from this, as various biosurfactants have strong antibacterial, antifungal, and antivirus properties, they are gaining traction in the pharmaceutical industry as therapeutic and probiotic agents to treat diseases like cancer. Due to the increasing consumer inclination towards organic and natural cosmetic products, biosurfactants are also being used as foaming agents, solubilizers, and cleansers in anti-dandruff shampoos, mascara, lipsticks, and bathing products. Other factors, including escalating demand for packaged food products and rising oil and gas exploration activities, are anticipated to drive the market.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global biosurfactants market report, along with forecasts at the global, regional and country level from 2025-2033. Our report has categorized the market based on product, source and application.

Breakup by Product:

- Rhamnolipids
- Sophorolipids
- Methyl Ester Sulfonates (MES)
- Alkyl Polyglucosides (APG)
- Sorbitan Esters
- Sucrose Esters
- Others

Breakup by Source:

- Bacteria
- Fungi
- Agricultural Waste
- Agro-Industrial Waste

Breakup by Application:

- Household Detergents
- Personal Care
- Industrial Cleaners
- Food Processing
- Oilfield Chemicals
- Agricultural Chemicals
- Textiles
- Others

Breakup by Region:

- North America
 - o□United States
 - o□Canada
- Asia-Pacific
 - o□China
 - o□Japan
 - o□India
 - o□South Korea
 - o□Australia
 - o□Indonesia
 - o□Others
- Europe

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- o Germany
- o France
- o United Kingdom
- o Italy
- o Spain
- o Russia
- o Others
- Latin America
- o Brazil
- o Mexico
- o Others
- Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Akzo Nobel N.V., BASF SE, Croda International plc, Ecover (S. C. Johnson & Son Inc.), Evonik Industries AG (RAG-Stiftung), Givaudan SA, Henkel AG & Co. KGaA, Jeneil Biotech Inc., Kao Corporation, Kemin Industries Inc., Lion Corporation and Saraya Co. Ltd.

Key Questions Answered in This Report:

- How has the global biosurfactants market performed so far and how will it perform in the coming years?
- What has been the impact of COVID-19 on the global biosurfactants market?
- What are the key regional markets?
- What is the breakup of the market based on the product?
- What is the breakup of the market based on the source?
- What is the breakup of the market based on the application?
- What are the various stages in the value chain of the industry?
- What are the key driving factors and challenges in the industry?
- What is the structure of the global biosurfactants market and who are the key players?
- What is the degree of competition in the industry?

Table of Contents:

- 1 Preface
- 2 Scope and Methodology
 - 2.1 Objectives of the Study
 - 2.2 Stakeholders
 - 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
 - 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
 - 2.5 Forecasting Methodology
- 3 Executive Summary
- 4 Introduction
 - 4.1 Overview
 - 4.2 Key Industry Trends

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5 Global Biosurfactants Market

5.1 Market Overview

5.2 Market Performance

5.3 Impact of COVID-19

5.4 Market Forecast

6 Market Breakup by Product

6.1 Rhamnolipids

6.1.1 Market Trends

6.1.2 Market Forecast

6.2 Sophorolipids

6.2.1 Market Trends

6.2.2 Market Forecast

6.3 Methyl Ester Sulfonates (MES)

6.3.1 Market Trends

6.3.2 Market Forecast

6.4 Alkyl Polyglucosides (APG)

6.4.1 Market Trends

6.4.2 Market Forecast

6.5 Sorbitan Esters

6.5.1 Market Trends

6.5.2 Market Forecast

6.6 Sucrose Esters

6.6.1 Market Trends

6.6.2 Market Forecast

6.7 Others

6.7.1 Market Trends

6.7.2 Market Forecast

7 Market Breakup by Source

7.1 Bacteria

7.1.1 Market Trends

7.1.2 Market Forecast

7.2 Fungi

7.2.1 Market Trends

7.2.2 Market Forecast

7.3 Agricultural Waste

7.3.1 Market Trends

7.3.2 Market Forecast

7.4 Agro-Industrial Waste

7.4.1 Market Trends

7.4.2 Market Forecast

8 Market Breakup by Application

8.1 Household Detergents

8.1.1 Market Trends

8.1.2 Market Forecast

8.2 Personal Care

8.2.1 Market Trends

8.2.2 Market Forecast

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- 8.3 Industrial Cleaners
 - 8.3.1 Market Trends
 - 8.3.2 Market Forecast
- 8.4 Food Processing
 - 8.4.1 Market Trends
 - 8.4.2 Market Forecast
- 8.5 Oilfield Chemicals
 - 8.5.1 Market Trends
 - 8.5.2 Market Forecast
- 8.6 Agricultural Chemicals
 - 8.6.1 Market Trends
 - 8.6.2 Market Forecast
- 8.7 Textiles
 - 8.7.1 Market Trends
 - 8.7.2 Market Forecast
- 8.8 Others
 - 8.8.1 Market Trends
 - 8.8.2 Market Forecast
- 9 Market Breakup by Region
 - 9.1 North America
 - 9.1.1 United States
 - 9.1.1.1 Market Trends
 - 9.1.1.2 Market Forecast
 - 9.1.2 Canada
 - 9.1.2.1 Market Trends
 - 9.1.2.2 Market Forecast
 - 9.2 Asia-Pacific
 - 9.2.1 China
 - 9.2.1.1 Market Trends
 - 9.2.1.2 Market Forecast
 - 9.2.2 Japan
 - 9.2.2.1 Market Trends
 - 9.2.2.2 Market Forecast
 - 9.2.3 India
 - 9.2.3.1 Market Trends
 - 9.2.3.2 Market Forecast
 - 9.2.4 South Korea
 - 9.2.4.1 Market Trends
 - 9.2.4.2 Market Forecast
 - 9.2.5 Australia
 - 9.2.5.1 Market Trends
 - 9.2.5.2 Market Forecast
 - 9.2.6 Indonesia
 - 9.2.6.1 Market Trends
 - 9.2.6.2 Market Forecast
 - 9.2.7 Others
 - 9.2.7.1 Market Trends

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- 9.2.7.2 Market Forecast
- 9.3 Europe
 - 9.3.1 Germany
 - 9.3.1.1 Market Trends
 - 9.3.1.2 Market Forecast
 - 9.3.2 France
 - 9.3.2.1 Market Trends
 - 9.3.2.2 Market Forecast
 - 9.3.3 United Kingdom
 - 9.3.3.1 Market Trends
 - 9.3.3.2 Market Forecast
 - 9.3.4 Italy
 - 9.3.4.1 Market Trends
 - 9.3.4.2 Market Forecast
 - 9.3.5 Spain
 - 9.3.5.1 Market Trends
 - 9.3.5.2 Market Forecast
 - 9.3.6 Russia
 - 9.3.6.1 Market Trends
 - 9.3.6.2 Market Forecast
 - 9.3.7 Others
 - 9.3.7.1 Market Trends
 - 9.3.7.2 Market Forecast
- 9.4 Latin America
 - 9.4.1 Brazil
 - 9.4.1.1 Market Trends
 - 9.4.1.2 Market Forecast
 - 9.4.2 Mexico
 - 9.4.2.1 Market Trends
 - 9.4.2.2 Market Forecast
 - 9.4.3 Others
 - 9.4.3.1 Market Trends
 - 9.4.3.2 Market Forecast
- 9.5 Middle East and Africa
 - 9.5.1 Market Trends
 - 9.5.2 Market Breakup by Country
 - 9.5.3 Market Forecast
- 10 SWOT Analysis
 - 10.1 Overview
 - 10.2 Strengths
 - 10.3 Weaknesses
 - 10.4 Opportunities
 - 10.5 Threats
- 11 Value Chain Analysis
- 12 Porters Five Forces Analysis
 - 12.1 Overview
 - 12.2 Bargaining Power of Buyers

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- 12.3 Bargaining Power of Suppliers
- 12.4 Degree of Competition
- 12.5 Threat of New Entrants
- 12.6 Threat of Substitutes
- 13 Price Analysis
- 14 Competitive Landscape
 - 14.1 Market Structure
 - 14.2 Key Players
 - 14.3 Profiles of Key Players
 - 14.3.1 Akzo Nobel N.V.
 - 14.3.1.1 Company Overview
 - 14.3.1.2 Product Portfolio
 - 14.3.1.3 Financials
 - 14.3.1.4 SWOT Analysis
 - 14.3.2 BASF SE
 - 14.3.2.1 Company Overview
 - 14.3.2.2 Product Portfolio
 - 14.3.2.3 Financials
 - 14.3.2.4 SWOT Analysis
 - 14.3.3 Croda International plc
 - 14.3.3.1 Company Overview
 - 14.3.3.2 Product Portfolio
 - 14.3.3.3 Financials
 - 14.3.3.4 SWOT Analysis
 - 14.3.4 Ecover (S. C. Johnson & Son Inc.)
 - 14.3.4.1 Company Overview
 - 14.3.4.2 Product Portfolio
 - 14.3.5 Evonik Industries AG (RAG-Stiftung)
 - 14.3.5.1 Company Overview
 - 14.3.5.2 Product Portfolio
 - 14.3.5.3 Financials
 - 14.3.5.4 SWOT Analysis
 - 14.3.6 Givaudan SA
 - 14.3.6.1 Company Overview
 - 14.3.6.2 Product Portfolio
 - 14.3.6.3 Financials
 - 14.3.6.4 SWOT Analysis
 - 14.3.7 Henkel AG & Co. KGaA
 - 14.3.7.1 Company Overview
 - 14.3.7.2 Product Portfolio
 - 14.3.7.3 Financials
 - 14.3.7.4 SWOT Analysis
 - 14.3.8 Jeneil Biotech Inc.
 - 14.3.8.1 Company Overview
 - 14.3.8.2 Product Portfolio
 - 14.3.9 Kao Corporation
 - 14.3.9.1 Company Overview

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- 14.3.9.2 Product Portfolio
- 14.3.9.3 Financials
- 14.3.9.4 SWOT Analysis
- 14.3.10 Kemin Industries Inc.
 - 14.3.10.1 Company Overview
 - 14.3.10.2 Product Portfolio
- 14.3.11 Lion Corporation
 - 14.3.11.1 Company Overview
 - 14.3.11.2 Product Portfolio
 - 14.3.11.3 Financials
 - 14.3.11.4 SWOT Analysis
- 14.3.12 Saraya Co. Ltd.
 - 14.3.12.1 Company Overview
 - 14.3.12.2 Product Portfolio

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