

Global Sodium Surfactin Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Sodium Surfactin market size was valued at US\$ 131 million in 2025 and is forecast to a readjusted size of US\$ 246 million by 2032 with a CAGR of 8.9% during review period.

In 2025, global production of Sodium Surfactin is approximately 1,200 metric tons, with an average global market price of around \$106,000 per metric ton. The total global production capacity for Sodium Surfactin in 2025 is approximately 2,400 metric tons. The average gross profit margin in the industry stands at 48%. Sodium Surfactin is a natural cyclic lipopeptide biosurfactant produced through the fermentation of *Bacillus subtilis*; it is a functional biomaterial of microbial origin. Its primary component is the sodium salt form of the lipopeptide Surfactin, which consists of a fatty acid chain and a heptapeptide ring structure. It exhibits excellent properties in terms of surface tension reduction, emulsification, dispersion, wetting, and solubilization. Compared to traditional petroleum-based surfactants, Sodium Surfactin is characterized by its renewable origin, good biodegradability, environmental friendliness, and high biological activity.

The upstream segment of the Sodium Surfactin industry mainly includes microbial strains, fermentation substrates, nutrients, and purification material suppliers. High-performance *Bacillus subtilis* strains are the key factor determining surfactin yield, composition, and product quality. Fermentation materials such as glucose, molasses, plant proteins, soybean meal, and yeast extracts directly affect production costs and fermentation efficiency. The upstream chain also involves fermentation equipment, bioreactors, membrane separation systems, and chromatography purification materials. Since high-purity Sodium Surfactin requires strict impurity control, activity preservation, and batch consistency, upstream suppliers need capabilities in strain screening,

metabolic engineering, and biotechnology manufacturing. Related industrial capabilities are mainly concentrated in regions with strong biotechnology industries, including Japan, China, Europe, and the United States. The midstream segment of the Sodium Surfactin industry mainly consists of microbial fermentation companies, biotechnology manufacturers, and functional ingredient suppliers. Midstream companies produce Sodium Surfactin through strain cultivation, liquid fermentation, extraction, purification, concentration, and quality control processes. According to application requirements, products can be classified into industrial grade, cosmetic grade, food grade, and research grade. High-purity products require more advanced purification technologies and stricter quality control systems. Currently, commercial production of Sodium Surfactin remains at an early development stage, with a limited number of large-scale manufacturers. Representative companies include Kaneka Corporation and Bloomage Biotech. Some research reagent suppliers also provide high-purity Surfactin products, but mainly for laboratory applications rather than large-scale industrial production. The downstream applications of Sodium Surfactin mainly include agricultural biological products, cosmetics and personal care, environmental treatment, industrial cleaning, and biomedical research. Agriculture represents one of the most mature application areas, where Sodium Surfactin is used in bio-pesticide additives, microbial fertilizers, and plant protection products. In cosmetics, its natural origin and mild surfactant properties make it suitable for green cleansing products and functional personal care formulations. In environmental applications, Sodium Surfactin can be used for oil contamination treatment, pollutant emulsification, and eco-friendly cleaning systems. With increasing demand for alternatives to traditional chemical surfactants and continued advances in biotechnology manufacturing, Sodium Surfactin is expected to achieve broader adoption in premium cosmetics, biological agriculture, and sustainable environmental materials.

Growing environmental regulations and increasing demand for natural and sustainable ingredients are accelerating the adoption of biosurfactants. Sodium Surfactin, a cyclic lipopeptide biosurfactant produced through *Bacillus subtilis* fermentation, offers biodegradability, environmental compatibility, and excellent surface activity. Its unique cyclic peptide structure enables strong emulsifying and surface tension reduction performance at low concentrations, supporting its transition from laboratory research toward commercial applications.

The cosmetics and personal care industry is becoming a major growth driver for Sodium Surfactin. Rising consumer preference for natural, mild, and sustainable ingredients is increasing demand for bio-based surfactants. Due to its gentle properties, emulsification capability, and compatibility with green formulations, Sodium Surfactin is increasingly

used in cleansing products, skincare formulations, and premium personal care applications.

Beyond cosmetics, agricultural biotechnology and environmental applications represent important future opportunities. Sodium Surfactin can improve formulation performance in biological agricultural products and contribute to environmentally friendly crop protection solutions. Its strong interfacial activity also provides potential applications in oil contamination treatment and enhanced oil recovery technologies.

This report is a detailed and comprehensive analysis for global Sodium Surfactin market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Sodium Surfactin market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Sodium Surfactin market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Sodium Surfactin market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Sodium Surfactin market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/Ton), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Sodium Surfactin

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Sodium Surfactin market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Kaneka Corporation, Bloomage Biotech, Wuhan Yuancheng Chemical, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Sodium Surfactin market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Cosmetic Grade

Industrial Grade

Market segment by Purity

Purity: 98%-99%

Purity: >99%

Market segment by Molecular Structure

Surfactin A

Surfactin B

Surfactin C

Market segment by Form

Powder

Solution

Market segment by Application

Cosmetics

Personal care products

Pharmaceuticals

Textiles

Others

Major players covered

Kaneka Corporation

Bloomage Biotech

Wuhan Yuancheng Chemical

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

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

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Sodium Surfactin product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Sodium Surfactin, with price, sales quantity, revenue, and global market share of Sodium Surfactin from 2021 to 2026.

Chapter 3, the Sodium Surfactin competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Sodium Surfactin breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Sodium Surfactin market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Sodium Surfactin.

Chapter 14 and 15, to describe Sodium Surfactin sales channel, distributors, customers,

research findings and conclusion.

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