

# Global Water Treatment Antiscalant Biopolymers Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Water Treatment Antiscalant Biopolymers market size is expected to reach \$ 136 million by 2032, rising at a market growth of 9.0% CAGR during the forecast period (2026-2032).

Water treatment antiscalant biopolymers are biodegradable, phosphorus-free, non-toxic polymer-based scale inhibitors derived from renewable or biosynthetic sources, used to prevent mineral scale formation in water treatment systems. In 2025, global water treatment antiscalant biopolymers production reached approximately 24,156 ton, with an average global market price of around USD 3,000 per ton. A factory gross profit of USD 600 per ton with 20% gross margin. A single line full machine capacity production is around 500 ton per line per year. The upstream is dependent on glutamic acid, cellulose and chitosan. The downstream demand is concentrated in industrial circulating water, oilfield water treatment and reverse osmosis systems. Poly-L-Aspartic Acid used in RO membrane antiscalant due to biodegradable and prevents CaCO<sub>3</sub>/CaSO<sub>4</sub> scale. Germany market is driven by transition towards phosphate-free and biodegradable water treatment. China market is driven by massive production and research output for biopolymer materials in wastewater treatment.

This report studies the global Water Treatment Antiscalant Biopolymers production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Water Treatment Antiscalant Biopolymers and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Water Treatment Antiscalant Biopolymers that contribute to its increasing demand across

many markets.

Highlights and key features of the study

Global Water Treatment Antiscalant Biopolymers total production and demand, 2021-2032, (Tons)

Global Water Treatment Antiscalant Biopolymers total production value, 2021-2032, (USD Million)

Global Water Treatment Antiscalant Biopolymers production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)

Global Water Treatment Antiscalant Biopolymers consumption by region & country, CAGR, 2021-2032 & (Tons)

U.S. VS China: Water Treatment Antiscalant Biopolymers domestic production, consumption, key domestic manufacturers and share

Global Water Treatment Antiscalant Biopolymers production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)

Global Water Treatment Antiscalant Biopolymers production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

Global Water Treatment Antiscalant Biopolymers production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global Water Treatment Antiscalant Biopolymers market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include BASF SE, DuPont, Kemira Oyj, Ecolab, Veolia, Solenis, SNF, Italmatch Chemicals, BWA Water Additives, NINGBO INNO PHARMCHEM, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Water Treatment Antiscalant Biopolymers market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Tons) and average price (US\$/Ton) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by

year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

#### Global Water Treatment Antiscalant Biopolymers Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

#### Global Water Treatment Antiscalant Biopolymers Market, Segmentation by Type:

Polyaspartic Acid

Polyglutamic Acid

Carboxymethyl Cellulose

Chitosan Derivatives

Others

#### Global Water Treatment Antiscalant Biopolymers Market, Segmentation by Product Form:

Liquid Formulations

Granular Formulations

Concentrated Emulsions

Tablet Formulations

Global Water Treatment Antiscalant Biopolymers Market, Segmentation by Molecular Weight Range:

High Molecular Weight (>50,000 Da)

Medium Molecular Weight (10,000?50,000 Da)

Low Molecular Weight (1,000?10,000 Da)

Very Low Molecular Weight (

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