

# **Global Algae Treatment Chemical Market Size Study, by Product Type (Algaecides, Coagulants and Flocculants, pH Adjusters, Oxidizers, Biocides, Nutrient Reduction Chemicals, Others), by Algae Type (Macroalgae, Microalgae), by Form (Liquid, Solid), by End-use Industry (Municipal Water Treatment, Industrial Water Treatment, Agriculture, Healthcare and Pharmaceuticals, Food and Beverage, Others) and Regional Forecasts 2022-2032**

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## **Abstracts**

The Global Algae Treatment Chemical Market is valued at approximately USD 3,070 million in 2023 and is anticipated to grow with a healthy growth rate of more than 5.5% over the forecast period 2024-2034. The algae treatment chemical industry is expected to rise over 1.5x through 2032, accompanied by a 1.0% increase in the projected CAGR compared to the historical one. This growth is driven by increased concerns about water pollution, harmful algal blooms, and stringent regulatory frameworks regulating water quality.

The market is anticipated to be propelled by sectors such as municipal water treatment, agriculture, aquaculture, and industrial processes seeking effective methods to combat algal proliferation. With a growing emphasis on sustainability and environmental stewardship, the industry is set to surge by 2034, meeting diverse industry needs.

The demand for algae treatment chemicals is growing exponentially as industries prioritize environmental sustainability and regulatory compliance. Concerns regarding algae bloom and water pollution drive the need for efficient algae treatment

technologies for energy generation and food processing, emphasizing chemical algae treatments for sustainable business practices.

Bio-based and sustainable chemicals are gaining traction compared to conventional chemical treatments, fueling market growth. Products derived from renewable resources and with minimal environmental impact are increasingly in demand from consumers, leading companies, and regulatory agencies. Governments worldwide are implementing robust environmental rules and regulations to manage and prevent algae blooms, surging demand for algae treatment chemicals.

Novel chemical formulations, biological therapies, and algae monitoring systems are gaining traction in the industry. There is a growing need for chemicals used in algae treatment due to concerns about pollution in water bodies like lakes, ponds, and other aquatic ecosystems. Algal blooms can negatively impact aquatic ecosystems, human health, and water quality, making efficient remediation methods imperative. The chemicals are widely utilized in wastewater, agriculture, aquaculture, and water treatment, with growing market potential. International funding for water infrastructure projects, particularly from emerging nations, is further projected to boost demand.

The key regions considered for the Global Algae Treatment Chemical Market study include Asia Pacific, North America, Europe, Latin America, and Rest of the World. North America is a dominating region in the Algae Treatment Chemical Market in terms of revenue. The growth of the algae treatment chemical market in North America is driven by increasing awareness of water quality, stringent environmental regulations, rising industrial and municipal wastewater treatment needs, technological advancements in treatment methods, and the growing importance of algae control in aquaculture and recreational water bodies. These factors collectively boost demand for effective algae treatment solutions. Whereas, the market in Asia Pacific is anticipated to grow at the fastest rate over the forecast period 2024-2032.

Major market players included in this report are:

Applied Biochemists

BioSafe Systems LLC

LG Sonic

Ocean Harvest Technology

SePRO Corporation

BASF SE

Nalco Water (an Ecolab Company)

Kemira Oyj

Solenis LLC

Corteva Agriscience

USA Water Services Corporation

BioPetroClean

Algaecytes Ltd.

Accepta

Evoqua Water Technologies

The detailed segments and sub-segment of the market are explained below:

By Product Type:

Algaecides

Coagulants and Flocculants

pH Adjusters

Oxidizers

Biocides

Nutrient Reduction Chemicals

Others

By Algae Type:

Macroalgae

Microalgae

By Form:

Liquid

Solid

By End-use Industry:

Municipal Water Treatment

Industrial Water Treatment

Agriculture

Healthcare and Pharmaceuticals

Food and Beverage

Others

Common content for Report Description:

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa

RoMEA

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market

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