

Aluminum Sulfate Market By Grade (Standard Grade, Low Iron Grade, Iron Free Grade) , By Form (Solid, Liquid) By Application (Water Treatment, Paper Manufacturing, Dyeing, Pharmaceutical, Others) : Global Opportunity Analysis and Industry Forecast, 2024-2033

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Abstracts

The aluminum sulfate market was valued at \$1.1 billion in 2023, and is projected to reach \$1.5 billion by 2033, growing at a CAGR of 3.2% from 2024 to 2033.

Aluminum sulfate is a chemical compound that is widely used for various applications due to its coagulation properties. One of the most important uses of aluminum sulfate is in water treatment and purification, wherein it clumps microscopic impurities and enables to filter them out of the water, thus making water potable. It is further employed in agriculture as a soil conditioner and in the construction industry for concrete waterproofing.

The growth of the global aluminum sulfate market is majorly driven by surge in demand for clean and safe drinking water. With exponentially increasing population, industrial activities are expected to increase correspondingly, which intensifies the pressure on water resources, leading to higher contamination and pollution concerns. In response, municipalities, industries, and communities worldwide are heavily investing in robust water treatment infrastructure to ensure the supply of clean and safe water. According to the US Water Alliance, approximately 52,000 water systems in the U.S. deliver drinking water to homes and businesses and around 16,000 centralized treatment plants collect and treat wastewater. As per the assessment done by the American Society of Civil Engineers in 2016, an additional investment of \$82 billion is

required to be done by the U.S. per year in water infrastructure. This, in turn, boost the demand for aluminum sulfate, as it remains a critical component in municipal and industrial water treatment plants. Moreover, increase in trend of adopting sustainable agricultural practices notably contributes toward the growth of the market. This is attributed to the fact that aluminum sulfate is used in controlled amounts to enhance soil health and crop yields while minimizing environmental impact. However, improper disposal of aluminum sulfate leads to water pollution. If not effectively treated, wastewater from industrial processes can contain residual aluminum sulfate, which, when released into natural water bodies can disturb the ecological balance. In addition, availability of more sustainable and effective alternatives hampers the market growth. On the contrary, rise in trend toward the recovery and recycling of aluminum sulfate from industrial processes to reduce environmental impact and improve cost efficiency is expected to offer remunerative opportunities for the growth of the market during the forecast period.

The aluminum sulfate market is segmented into grade, form, application, and region. By grade, the market is classified into standard grade, low iron grade, and iron free grade. On the basis of form, it is bifurcated into solid and liquid. Depending on application, it is categorized into water treatment, paper manufacturing, dyeing, pharmaceutical, and others. Region wise, the market is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

Key Findings

By grade, the standard grade segment held the highest market share in 2023 and is expected to maintain its leadership status by 2033.

On the basis of form, the liquid segment was the major shareholder in 2023 and is anticipated to continue the same trend throughout the forecast period.

Depending on application, the water treatment segment acquired maximum share in 2023 and is projected to lead during the coming years.

Region wise, Asia-Pacific was the key revenue generator in 2023, and is likely to dominate the market in the future.

Competition Analysis

Competitive analysis and profiles of the major players in the global aluminum sulfate

market include American Elements, Hawkins, Kishida Chemical Co., Ltd., NIKE CHEMICAL INDIA, Chemtrade Logistics, Henan Fengbai Industrial Co., Ltd., Merck KGaA, USALCO, NACALAI TESQUE, INC., and AFFINITY CHEMICAL. These major players have adopted various key development strategies such as business expansion, new product launches, and partnerships to gain maximum share and sustain the intense competition.

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Industry life cycle assessment, by region

Product Benchmarking / Product specification and applications

Supply Chain Analysis & Vendor Margins

Upcoming/New Entrant by Regions

Technology Trend Analysis

Market share analysis of players by products/segments

New Product Development/ Product Matrix of Key Players

Regulatory Guidelines

Additional company profiles with specific client's interest

Additional country or region analysis- market size and forecast

Criss-cross segment analysis- market size and forecast

Expanded list for Company Profiles

Historic market data

Key player details (including location, contact details, supplier/vendor network etc. in excel format)

List of customers/consumers/raw material suppliers- value chain analysis

Market share analysis of players at global/region/country level

SWOT Analysis

Volume Market Size and Forecast

Key Market Segments

By Grade

Standard Grade

Low Iron Grade

Iron Free Grade

By Form

Solid

Liquid

By Application

Water Treatment

Paper Manufacturing

Dyeing

Pharmaceutical

Others

By Region

North America

U.S.

Canada

Mexico

Europe

France

Germany

Italy

Spain

UK

Rest of Europe

Asia-Pacific

China

Japan

India

South Korea

Australia

Rest of Asia-Pacific

LAMEA

Brazil

South Africa

Saudi Arabia

Rest of LAMEA

Key Market Players

American Elements

Hawkins

Kishida Chemical Co.,Ltd.

NIKE CHEMICAL INDIA

Chemtrade Logistics

Henan Fengbai Industrial Co., Ltd.

Merck KGaA

USALCO

NACALAI TESQUE, INC.

AFFINITY CHEMICAL

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