

Ammonium Polyphosphate (APP) Market By Type (APP I, APP II) , By Application (Flame retardants, Fertilizers, Paints and coatings, Food Additives, Polymer Additives, Adhesives, Others) By End-Use Industry (Automotive, Textile, Construction, Plastic, Agriculture, Others) : Global Opportunity Analysis and Industry Forecast, 2024-2033

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Abstracts

Ammonium Polyphosphate (APP) Market

The ammonium polyphosphate (APP) market was valued at \$2.1 billion in 2023 and is projected to reach \$5.1 billion by 2033, growing at a CAGR of 9.4% from 2024 to 2033.

Ammonium polyphosphate (APP) is an inorganic salt formed by the combination of ammonia and polyphosphoric acid. The compound is characterized by its flame retardant, non-toxic, and environment-friendly attributes. APP is majorly used as a flameproof coating in ships, buildings, trains, and cables. In addition, the compound is used in agricultural fields as fertilizer as it provides essential nutrients that improve soil fertility and crop yield.

With increasing awareness regarding sustainability and environment-friendly fertilizers, the ammonium polyphosphate (APP) market is being driven significantly owing to surge in integration of APP in fertilizers. Furthermore, upsurge in the construction of residential and commercial buildings due to rapid urbanization is propelling the market development by rise in demand for APP as a flame retardant for the new infrastructure. The trend of precision farming is opening new avenues for the ammonium polyphosphate (APP) market by fueling the popularity of slow-release fertilizers. Such

fertilizers aid in enhancing agricultural productivity as they precisely control the release of chemical content into the soil. APP serves as an excellent component for slow-release fertilizers due to its cross-chained structure, which exhibits high adhesion and improves the particle strength of fertilizers.

However, the presence of other phosphate-based flame-retardants and fertilizer alternatives hampers the development of the market. Furthermore, high volatility in the prices of raw materials impacts the overall production costs of APP. This results in financial instability and restrained growth of the ammonium polyphosphate (APP) market. On the contrary, rise in automotive industry is presenting lucrative opportunities for the market. The use of flame retardants is upsurging in the automotive industry, boosting the demand for APP. According to Forbes, the global automotive industry is anticipated to cross the mark of 100 million sales by 2028. This exponentially growing sale of automotives is poised to drive the growth of the ammonium polyphosphate (APP) market in the future.

Segment Review

The ammonium polyphosphate (APP) market is segmented into type, application, end-use industry, and region. On the basis of type, the market is bifurcated into APP I and APP II. As per application, it is divided into flame retardants, fertilizers, paints & coatings, food additives, polymer additives, adhesives, and others. By end-use industry, it is classified into automotive, textile, construction, plastic, agriculture, and others. Region wise, it is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

Key Findings

On the basis of type, the APP II segment held a high share of the market in 2023.

As per application, the flame retardants segment acquired a high stake in the market in 2023.

By end-use industry, the construction segment dominated the market in 2023.

Region wise, Asia-Pacific was the highest revenue generator in 2023.

Competition Analysis

The major players of the global ammonium polyphosphate (APP) market include

CLARIANT, Haihang Industry, American Elements, B JOSHI AGROCHEM PHARMA, vinipul Inorganics Pvt. Ltd., Nilkanth Organics, Tianjin Crown Champion Industrial Co., Ltd., AARTI PHOSPHATES, SAKSHI DYES & CHEMICALS, and YOGI CHEMICAL INDUSTRIES. These major players have adopted various key development strategies such as business expansion, new product launches, and partnerships, to strengthen their foothold in the competitive market.

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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 to client's interest

Additional country or region analysis- market size and forecast

Expanded list for Company Profiles

Historic market data

Import Export Analysis/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 Type

APP I

APP II

By Application

Flame retardants

Fertilizers

Paints and coatings

Food Additives

Polymer Additives

Adhesives

Others

By End-Use Industry

Automotive

Textile

Construction

Plastic

Agriculture

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

UAE

Rest of LAMEA

Key Market Players

CLARIANT

Haihang Industry

American Elements

B JOSHI AGROCHEM PHARMA

vinipul Inorganics Pvt. Ltd.

Nilkanth Organics

Tianjin Crown Champion Industrial Co., Ltd.

AARTI PHOSPHATES

SAKSHI DYES & CHEMICALS

YOGI CHEMICAL INDUSTRIES

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