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Anhydrous Aluminium Chloride Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Form (Granule, Powder), By Application (Dyes & Pigments, Pesticides, Pharmaceuticals, Hydrocarbon Resins, Fumed Alumina, Others), By Region & Competition, 2020-2030F

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Abstracts

Market Overview

The Global Anhydrous Aluminium Chloride Market was valued at USD 932.46 Million in 2024 and is projected to reach USD 1184.69 Million by 2030, growing at a CAGR of 4.27% during the forecast period. Anhydrous aluminium chloride, recognized for its white to yellow crystalline appearance and odorless properties, is extensively used as a catalyst in Friedel-Crafts reactions and in numerous industrial processes. Its versatility enables its application across diverse sectors, including the production of dyes, pigments, polymers, agrochemicals, pharmaceuticals, fragrances, and specialty chemicals. The compound also plays a critical role in manufacturing synthetic rubber, paints, lubricants, wood preservatives, and other organic and inorganic materials.

Available in powdered and granular forms, it is produced through the reaction of dry chlorine or hydrogen chloride gas with superheated aluminium or via heating alumina and coke with chlorine gas. Proper storage—sealed, dry, and away from combustible materials—is essential to maintain its reactivity and safety. The compound is also key in producing fumed alumina and titanium dioxide, and is utilized in synthesizing ethylbenzene and hydrocarbon resins. The market is experiencing strong growth due to its wide-ranging applications and the steady rise in demand from end-use industries

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globally.

Key Market Drivers

Growing Demand of Anhydrous Aluminium Chloride in Pharmaceutical Industry

Anhydrous aluminium chloride plays a vital role in the synthesis of various pharmaceuticals, including antihistamines, antacids, and antibiotics. The pharmaceutical sector, now valued at approximately USD 1.6 trillion globally as of 2023, represents a significant consumer of this compound. As global health expenditures continue to rise and the need for efficient drug production intensifies, demand for anhydrous aluminium chloride is growing in tandem. Its critical function in chemical reactions used in drug manufacturing ensures its continued relevance and demand. The sustained expansion of pharmaceutical production, driven by both innovation and increasing healthcare needs, will remain a strong factor propelling the market forward.

Key Market Challenges

Lack in Supply of Raw Materials

The consistent production of anhydrous aluminium chloride depends heavily on the availability of key raw materials—aluminium and chlorine. Global supply chain disruptions, driven by geopolitical tensions and rising demand, have led to material shortages that directly impact manufacturing capabilities. This scarcity results in reduced production output and contributes to price volatility, posing challenges for manufacturers and downstream users alike. The supply imbalance also increases costs for end-use industries, limiting product accessibility and slowing market growth. Addressing this issue requires improved resource allocation strategies and diversification of supply sources to ensure long-term market stability.

Key Market Trends

Growing Demand in Chemical Industry

Anhydrous aluminium chloride is a critical catalyst within the chemical sector, used extensively in the synthesis of dyes, pigments, pesticides, and chemical intermediates. Its importance across these domains has made it a foundational material for various chemical manufacturing processes. As demand for end products in these sectors rises, so does the need for efficient catalytic solutions like anhydrous aluminium chloride. The

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compound’s widespread adoption and its expanding role in new applications highlight its significance. Continued development in the chemical industry, alongside emerging applications in pharmaceuticals and specialty materials, is expected to further strengthen the market outlook.

Key Market Players

Aditya Birla Chemicals India Ltd.

Base Metal International

BASF SE

DCM Shriram Ltd.

Gujarat Alkali & Chemicals Ltd

Gulbrandsen Manufacturing Inc.

Kanto Denka Kogyo Co. Ltd

Nippon Light Metal Company Ltd

Shandong Kunbao New Materials Group Co. Ltd

Upra Chem Pvt. Ltd

Report Scope:

In this report, the Global Anhydrous Aluminium Chloride Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Anhydrous Aluminium Chloride Market, By Form:

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- Granule
- Powder

Anhydrous Aluminium Chloride Market, By Application:

- Dyes & Pigments
- Pesticides
- Pharmaceuticals
- Hydrocarbon Resins
- Fumed Alumina
- Others

Anhydrous Aluminium Chloride Market, By Region:

- North America
  - United States
  - Canada
  - Mexico
- Europe
  - France
  - United Kingdom
  - Italy
  - Germany

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Spain

Asia Pacific

China

India

Japan

Australia

South Korea

South America

Brazil

Argentina

Colombia

Middle East & Africa

South Africa

Saudi Arabia

UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Anhydrous Aluminium Chloride Market.

Available Customizations:

Global Anhydrous Aluminium Chloride Market report with the given market data,

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TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

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