

Global Anhydrous Aluminum Chloride Market 2023

<https://marketpublishers.com/r/G87E9B1F3D76EN.html>

Date: October 2023

Pages: 21

Price: US\$ 1,875.00 (Single User License)

ID: G87E9B1F3D76EN

Abstracts

Description

The global anhydrous aluminum chloride market size is projected to grow from approximately 1.32 million tons in 2022 to 1.79 million tons by 2029, representing a compound annual growth rate (CAGR) of 4.3% during the forecast period from 2023 to 2029.

Anhydrous aluminum chloride is an odorless inorganic solid represented by the chemical formula AlCl_3 . It serves as a vital catalyst in the chemical industry, notably for Friedel–Crafts reactions and as a Lewis acid. Typically white or gray in color, it can also appear yellowish due to traces of iron chloride.

Key factors driving market growth include increasing application of anhydrous aluminum chloride in pesticide manufacturing for agriculture as well as its role as a catalyst in various chemical production processes. However, potential challenges from volatile raw material pricing and concerns over wastewater effluents could hinder market expansion.

The market is experiencing positive expansion fueled by rising demand for anhydrous aluminum chloride as a catalyst in pharmaceuticals and an array of industrial chemical syntheses such as for agricultural chemicals, polymers, flavors, and fragrances. Currently, the Asia Pacific region, led by major markets like China and India, dominates global consumption and contributes significantly to overall demand.

Market Segmentation

The market is segmented based on various factors, including form, application, and geography.

Segmentation by Form

Powder

Granules

Crystals

Segmentation by Application

Pharmaceuticals

Pesticides

Chemical Manufacturing

Pigments

Others

Segmentation by Geography

North America %li%United States, Canada, Mexico

Europe %li%United Kingdom, Germany, France, Italy, and Rest of Europe

Asia-Pacific %li%China, Japan, India, South Korea, and Rest of Asia-Pacific

Latin America %li%Brazil, Argentina, and Rest of Latin America

Middle East and Africa %li%Saudi Arabia, South Africa, and Rest of Middle East and Africa

The global anhydrous aluminum chloride market is characterized significantly by pigments, which are widely utilized in dye manufacturing. Anhydrous aluminum chloride also plays a crucial role as a nucleating agent in titanium dioxide pigment production via the chloride process.

Its Lewis acid properties make anhydrous aluminum chloride an essential catalyst for

the pharmaceutical industry, especially in medications like ibuprofen. This drives considerable demand.

The market is expected to flourish due to rising applications of anhydrous aluminum chloride as a catalyst in generating chemical intermediates for various sectors, including dyes, anthraquinone, ethylbenzene, and meta phenoxy benzaldehyde. Its primary catalytic function in reactions such as Friedel-Crafts alkylation and acylation, hydrocarbon polymerization, and isomerization further stimulates demand.

Additionally, its usage in the petrochemical industry for hydrocarbon resins as well as inorganic chemical synthesis of titanium dioxide and fumed alumina contributes to market growth.

The Indian chemical sector, notably dye and pigment manufacturing, holds a sizable 17.2% share of the global textile market in 2022. Resulting textile industry demand presents opportunities. Regions like North America, Europe, and others exhibit high demand for pigments, spurring expansions by producers such as DCL Corporation.

Competitive Landscape

The anhydrous aluminum chloride market is fragmented, with multiple players holding small shares. Key market participants include Aditya Birla Chemicals Ltd., BASF SE, DCM Shriram Ltd., Gujarat Alkalies and Chemicals Limited (GACL), Gulbrandsen Manufacturing Inc., Kanto Denka Kogyo Co. Ltd., Nippon Light Metal Company Ltd., Shandong Kunbao New Material Group Co. Ltd., Upra Chem Pvt. Ltd., USM Inc. (Base Metals Group).

Why Buy This Report?

Get a detailed picture of the Global Anhydrous Aluminum Chloride Market

Identify segments/areas to invest in over the forecast period in the Global Anhydrous Aluminum Chloride Market

Understand the competitive environment, the market's leading players

The market estimate for ease of analysis across scenarios in Excel format

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