

Alumina Trihydrate Market Growth Analysis Report - Market Size, Share, Forecast Trends and Outlook (2025-2034)

Market Report | 2025-08-11 | 164 pages | EMR Inc.

AVAILABLE LICENSES:

- Single User License \$3599.00
- Five User License \$4249.00
- Corporate License \$5099.00

Report description:

The global alumina trihydrate industry attained a value of around USD 1.50 Billion in 2024. The market is further expected to grow at a CAGR of nearly 5.00% in the forecast period of 2025-2034 to reach value of around USD 2.44 Billion by 2034.

Alumina Trihydrate Market Share

The global alumina trihydrate market is experiencing substantial growth, driven by increasing demand across various industries, including plastics, paints, and pharmaceuticals. As a key component in flame retardants and a filler in plastics, alumina trihydrate is vital for enhancing product performance and safety. The market is segmented by application, with the construction and automotive sectors leading in consumption. Key players are focusing on sustainable production methods to meet environmental regulations, which is boosting market share. Additionally, the growing trend toward lightweight materials in the automotive industry is further propelling demand. As the market evolves, innovative applications and advancements in processing technologies will play a crucial role in shaping the future of the alumina trihydrate landscape.

Asia Pacific Significantly Supports the Global Market Growth

Owing to the increase in infrastructure and automobile demand in Asian countries, especially China, alumina trihydrate demand is booming there. Alumina trihydrate is used to ensure safety against fire-related uncertain happenings. Being a flame retardant, it is used in electric wire insulation in buildings and as an effective coating in automobiles. Circuit boards are prospective places where a fire may originate and thus insulating wires and cables with a flame retardant is important. In addition, governmental regulations with respect to fire safety in countries in North America and Europe will drive a stronger demand for it. Alumina trihydrate is a halogen-free flame retardant which will help in surging its demand further as an environment-friendly substitute.

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Alumina Trihydrate Industry Segmentation

Alumina trihydrate or aluminium hydroxide is the hydrated oxide of aluminium. It is a white translucent powder with average particle size varying between 80-100 micron. Alumina trihydrate is separated from ore bauxite using the Bayer process. The Bayer process dissolves bauxite, which is aluminium ore, in sodium hydroxide at high temperatures and alumina trihydrate is then separated from the solids remaining after the heating process.

The market, based on type, comprises of:

- Ground
- Dry
- Wet
- Precipitate

Based on the application, the market is divided into:

- Flame Retardant
- Filler
- Antacid
- Smoke Suppressant
- Others

The end users of the industry are:

- Plastics
- Building and Construction
- Paints and Coatings
- Pharmaceuticals
- Glass
- Rubber
- Others

The regional markets can be classified into:

- North America
- Europe
- Asia Pacific
- Latin America
- Middle East and Africa

Versatility and Application Flexibility of Alumina Trihydrate is Leading to an Expanding Market

Alumina trihydrate is majorly converted into alumina, which is aluminium oxide, that is used in the manufacture of aluminium metal. Aluminium metal is highly demanded in products like cans, foils, aeroplane parts, among others because of its excellent properties. The rise in demand for aluminium drives the demand for its originator, aluminium trihydrate. Additionally, the property of alumina trihydrate being a fire retardant and smoke suppressant also expands its desirability in a variety of industries. It is

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

used as a fire retardant as it releases water molecules at 220 degrees celsius taking heat away from the flame. Its capabilities like high brightness, water insolubility, low oil absorption is utilised in coatings, inks, adhesives, and sealants applications further boosting its demand. Alumina trihydrate is also used as an antacid that can be ingested to buffer the pH within the stomach. It also supports manufacture of many inorganic chemicals like non-ferric alum, poly aluminium chloride, aluminium fluoride, and others. Versatile properties of alumina trihydrate is expected to raise its demand in the forecast period.

Key Industry Players in the Global Alumina Trihydrate Market

The report presents a detailed analysis of the following key players in the global alumina trihydrate market looking into their capacity, market shares, and latest developments like capacity expansions, plant turnarounds, and mergers and acquisitions:

- Sumitomo Chemical Co., Ltd.
- Alcoa Corporation
- Aditya Birla Management Corporation Pvt. Ltd.
- J.M. Huber Corporation
- Aluminum Corporation of China Limited
- Nabaltec AG
- Others

The comprehensive EMR report provides an in-depth assessment of the market based on the Porter's five forces model along with giving a SWOT analysis.

Table of Contents:

- 1 Executive Summary
 - 1.1 Market Size 2024-2025
 - 1.2 Market Growth 2025(F)-2034(F)
 - 1.3 Key Demand Drivers
 - 1.4 Key Players and Competitive Structure
 - 1.5 Industry Best Practices
 - 1.6 Recent Trends and Developments
 - 1.7 Industry Outlook
- 2 Market Overview and Stakeholder Insights
 - 2.1 Market Trends
 - 2.2 Key Verticals
 - 2.3 Key Regions
 - 2.4 Supplier Power
 - 2.5 Buyer Power
 - 2.6 Key Market Opportunities and Risks
 - 2.7 Key Initiatives by Stakeholders
- 3 Economic Summary
 - 3.1 GDP Outlook
 - 3.2 GDP Per Capita Growth
 - 3.3 Inflation Trends
 - 3.4 Democracy Index
 - 3.5 Gross Public Debt Ratios

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 3.6 Balance of Payment (BoP) Position
- 3.7 Population Outlook
- 3.8 Urbanisation Trends
- 4 Country Risk Profiles
 - 4.1 Country Risk
 - 4.2 Business Climate
- 5 Global Alumina Trihydrate Market Analysis
 - 5.1 Key Industry Highlights
 - 5.2 Global Alumina Trihydrate Historical Market (2018-2024)
 - 5.3 Global Alumina Trihydrate Market Forecast (2025-2034)
 - 5.4 Global Alumina Trihydrate Market by Type
 - 5.4.1 Ground
 - 5.4.1.1 Historical Trend (2018-2024)
 - 5.4.1.2 Forecast Trend (2025-2034)
 - 5.4.2 Dry
 - 5.4.2.1 Historical Trend (2018-2024)
 - 5.4.2.2 Forecast Trend (2025-2034)
 - 5.4.3 Wet
 - 5.4.3.1 Historical Trend (2018-2024)
 - 5.4.3.2 Forecast Trend (2025-2034)
 - 5.4.4 Precipitate
 - 5.4.4.1 Historical Trend (2018-2024)
 - 5.4.4.2 Forecast Trend (2025-2034)
 - 5.5 Global Alumina Trihydrate Market by Application
 - 5.5.1 Flame Retardant
 - 5.5.1.1 Historical Trend (2018-2024)
 - 5.5.1.2 Forecast Trend (2025-2034)
 - 5.5.2 Filler
 - 5.5.2.1 Historical Trend (2018-2024)
 - 5.5.2.2 Forecast Trend (2025-2034)
 - 5.5.3 Antacid
 - 5.5.3.1 Historical Trend (2018-2024)
 - 5.5.3.2 Forecast Trend (2025-2034)
 - 5.5.4 Smoke Suppressant
 - 5.5.4.1 Historical Trend (2018-2024)
 - 5.5.4.2 Forecast Trend (2025-2034)
 - 5.5.5 Others
 - 5.6 Global Alumina Trihydrate Market by End-Use Industry
 - 5.6.1 Plastics
 - 5.6.1.1 Historical Trend (2018-2024)
 - 5.6.1.2 Forecast Trend (2025-2034)
 - 5.6.2 Building and Construction
 - 5.6.2.1 Historical Trend (2018-2024)
 - 5.6.2.2 Forecast Trend (2025-2034)
 - 5.6.3 Paints and Coatings
 - 5.6.3.1 Historical Trend (2018-2024)
 - 5.6.3.2 Forecast Trend (2025-2034)

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 5.6.4 Pharmaceuticals
 - 5.6.4.1 Historical Trend (2018-2024)
 - 5.6.4.2 Forecast Trend (2025-2034)
- 5.6.5 Glass
 - 5.6.5.1 Historical Trend (2018-2024)
 - 5.6.5.2 Forecast Trend (2025-2034)
- 5.6.6 Rubber
 - 5.6.6.1 Historical Trend (2018-2024)
 - 5.6.6.2 Forecast Trend (2025-2034)
- 5.6.7 Others
- 5.7 Global Alumina Trihydrate Market by Region
 - 5.7.1 North America
 - 5.7.2 Europe
 - 5.7.3 Asia Pacific
 - 5.7.4 Latin America
 - 5.7.5 Middle East and Africa
- 6 Regional Analysis
 - 6.1 North America
 - 6.1.1 Historical Trend (2018-2024)
 - 6.1.2 Forecast Trend (2025-2034)
 - 6.1.3 Breakup by Country
 - 6.1.3.1 United States of America
 - 6.1.3.2 Canada
 - 6.2 Europe
 - 6.2.1 Historical Trend (2018-2024)
 - 6.2.2 Forecast Trend (2025-2034)
 - 6.2.3 Breakup by Country Kingdom
 - 6.2.3.1 United
 - 6.2.3.2 Germany
 - 6.2.3.3 France
 - 6.2.3.4 Italy
 - 6.2.3.5 Others
 - 6.3 Asia Pacific
 - 6.3.1 Historical Trend (2018-2024)
 - 6.3.2 Forecast Trend (2025-2034)
 - 6.3.3 Breakup by Country
 - 6.3.3.1 China
 - 6.3.3.2 Japan
 - 6.3.3.3 India
 - 6.3.3.4 ASEAN
 - 6.3.3.5 Australia
 - 6.3.3.6 Others
 - 6.4 Latin America
 - 6.4.1 Historical Trend (2018-2024)
 - 6.4.2 Forecast Trend (2025-2034)
 - 6.4.3 Breakup by Country
 - 6.4.3.1 Brazil

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 6.4.3.2 Argentina
- 6.4.3.3 Mexico
- 6.4.3.4 Others
- 6.5 Middle East and Africa
 - 6.5.1 Historical Trend (2018-2024)
 - 6.5.2 Forecast Trend (2025-2034)
 - 6.5.3 Breakup by Country
 - 6.5.3.1 Saudi Arabia
 - 6.5.3.2 United Arab Emirates
 - 6.5.3.3 Nigeria
 - 6.5.3.4 South Africa
 - 6.5.3.5 Others
- 7 Market Dynamics
 - 7.1 SWOT Analysis
 - 7.1.1 Strengths
 - 7.1.2 Weaknesses
 - 7.1.3 Opportunities
 - 7.1.4 Threats
 - 7.2 Porter's Five Forces Analysis
 - 7.2.1 Supplier's Power
 - 7.2.2 Buyer's Power
 - 7.2.3 Threat of New Entrants
 - 7.2.4 Degree of Rivalry
 - 7.2.5 Threat of Substitutes
 - 7.3 Key Indicators for Demand
 - 7.4 Key Indicators for Price
- 8 Value Chain Analysis
- 9 Price Analysis
 - 9.1 North America Historical Price Trends (2018-2024) and Forecast (2025-2034)
 - 9.2 Europe Historical Price Trends (2018-2024) and Forecast (2025-2034)
 - 9.3 Asia Pacific Historical Price Trends (2018-2024) and Forecast (2025-2034)
 - 9.4 Latin America Historical Price Trends (2018-2024) and Forecast (2025-2034)
 - 9.5 Middle East and Africa Historical Price Trends (2018-2024) and Forecast (2025-2034)
- 10 Trade Data Analysis
 - 10.1 Major Exporting Countries
 - 10.1.1 By Value
 - 10.1.2 By Volume
 - 10.2 Major Importing Countries
 - 10.2.1 By Value
 - 10.2.2 By Volume
- 11 Competitive Landscape
 - 11.1 Supplier Selection
 - 11.2 Key Global Players
 - 11.3 Key Regional Players
 - 11.4 Key Player Strategies
 - 11.5 Company Profiles
 - 11.5.1 Sumitomo Chemical Co., Ltd.

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 11.5.1.1 Company Overview
- 11.5.1.2 Product Portfolio
- 11.5.1.3 Demographic Reach and Achievements
- 11.5.1.4 Certifications
- 11.5.2 Alcoa Corporation
 - 11.5.2.1 Company Overview
 - 11.5.2.2 Product Portfolio
 - 11.5.2.3 Demographic Reach and Achievements
 - 11.5.2.4 Certifications
- 11.5.3 Aditya Birla Management Corporation Pvt. Ltd.
 - 11.5.3.1 Company Overview
 - 11.5.3.2 Product Portfolio
 - 11.5.3.3 Demographic Reach and Achievements
 - 11.5.3.4 Certifications
- 11.5.4 J.M. Huber Corporation
 - 11.5.4.1 Company Overview
 - 11.5.4.2 Product Portfolio
 - 11.5.4.3 Demographic Reach and Achievements
 - 11.5.4.4 Certifications
- 11.5.5 Aluminum Corporation of China Limited
 - 11.5.5.1 Company Overview
 - 11.5.5.2 Product Portfolio
 - 11.5.5.3 Demographic Reach and Achievements
 - 11.5.5.4 Certifications
- 11.5.6 Nabaltec AG
 - 11.5.6.1 Company Overview
 - 11.5.6.2 Product Portfolio
 - 11.5.6.3 Demographic Reach and Achievements
 - 11.5.6.4 Certifications
- 11.5.7 Others

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Alumina Trihydrate Market Growth Analysis Report - Market Size, Share, Forecast Trends and Outlook (2025-2034)

Market Report | 2025-08-11 | 164 pages | EMR Inc.

To place an Order with Scotts International:

- Print this form
- Complete the relevant blank fields and sign
- Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License	Price
	Single User License	\$3599.00
	Five User License	\$4249.00
	Corporate License	\$5099.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2026-03-04"/>
		Signature	

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

