Market Publishers

+357 96 030922
info@marketpublishers.com

Dust Control or Suppression Chemicals Market Forecasts to 2034 – Global Analysis By Chemical Type (Calcium Chloride, Asphalt Emulsions and Other Chemical Types), System Type (Wet Suppression, Dry Collection and Other System Types), System Mobility, End User and By Geography

https://marketpublishers.com/r/DB89FF1BD08AEN.html
Date: May 2026
Pages: 200
Price: US$ 4,150.00 (Single User License)
ID: DB89FF1BD08AEN

Abstracts

According to Stratistics MRC, the Global Dust Control or Suppression Chemicals Market is accounted for $1.5 billion in 2026 and is expected to reach $2.5 billion by 2034 growing at a CAGR of 6.1% during the forecast period. Chemicals used in dust control or suppression are specialist materials intended to reduce the production and dispersion of dust particles in a range of industrial and environmental contexts. To improve particle cohesion and lessen airborne dust, these chemicals are applied to surfaces or materials that are prone to dust formation, such as building sites, mining operations, and unpaved roads. Through the resolution of dust-related issues, these chemicals enhance air quality, worker safety, and environmental protection, making them indispensable elements of dust management plans in a variety of industries.

According to HSE statistics, the U.K. government's Health and Safety Executive statistics, every year, more than 500 construction workers die from exposure to silica dust worldwide.

Market Dynamics:

Driver:

Mining and quarry activities

Heavy dust is produced during mining and quarrying operations, which can be harmful to the environment and human health. The need to address these problems is what drives the market's demand for dust control and suppression chemicals. These substances are essential for limiting the impact on the environment, preventing respiratory issues, and managing airborne particles. The implementation of dust control solutions in mining and quarrying operations is accelerated by regulatory compliance and a growing consciousness of health and safety concerns. The market is further driven by the growth of these industries and the emphasis on sustainable practices, which forges a crucial connection between environmental responsibility and operational efficiency.

Restraint:

Seasonal variations

Due to the variable impact that weather conditions have on dust generation and control needs, seasonal variations present a challenge to the dust control or suppression chemicals market. Increased dust levels during dry seasons could lead to a demand for suppression chemicals, which could then decrease during wet seasons. Adverse weather conditions or precipitation can impact the efficiency of these substances, thereby affecting consumer demand. Furthermore, the need for manufacturers and users to adjust to varying climatic conditions becomes imperative, resulting in an element of unpredictability and seasonal fluctuations in the dust control solution market.

Opportunity:

Transportation industry

Dust emissions pose a serious threat to the environment and public health as road networks and construction projects spread throughout the world. Reducing the impact on infrastructure and improving air quality are two benefits of using dust control chemicals. The transportation industry, encompassing highways, trains, and building sites, is realizing more and more how crucial it is to implement sustainable practices. Due to this, there is an increasing need for novel dust-reduction compounds that are safe for the environment and adhere to strict regulations. With environmental responsibility becoming a top priority for both governments and businesses, the transportation sector is expected to grow significantly.

+357 96 030922
info@marketpublishers.com

Threat:

Competition from non-chemical solutions

The need for more environmentally friendly alternatives like mechanical systems, dust barriers, and vegetation cover has increased in response to growing environmental regulations and concerns. These non-chemical alternatives challenge the conventional dominance of chemical-based products by providing affordable and sustainable solutions. The market for dust control is seeing increased competition from cutting-edge, non-chemical solutions that solve dust-related issues without jeopardizing environmental sustainability, as more industries prioritize greener practices. This change in consumer preferences emphasizes how the chemical industry must change and make investments in greener products in order to stay relevant in the marketplace.

Covid-19 Impact:

The market for suppression chemicals and dust control has been greatly impacted by the COVID-19 pandemic. The need for dust control solutions has been impacted by disruptions in industries and a slowdown in construction activities. Lockdowns, disruptions in the supply chain, and unpredictability in the economy have resulted in a decrease in industrial and construction activity, decreasing the demand for dust control chemicals. However, the market is anticipated to recover as economies grow and construction picks back up. This will be fuelled by heightened awareness of environmental and health concerns, which will force various sectors to place a renewed emphasis on dust control measures.

The dry collection segment is expected to be the largest during the forecast period

As dry collection offers economical and environmentally friendly solutions, it has experienced significant growth in the dust control or suppression chemicals market. Because dry collection techniques like dust suppressants and binders use less water and have a smaller environmental impact, more industries are implementing them. These substances efficiently manage particulate emissions during a range of industrial operations, guaranteeing adherence to strict environmental guidelines. In addition, the need for effective dry collection solutions has increased as people become more conscious of the health risks posed by dust particles in the air.

The building and construction segment is expected to have the highest CAGR during the forecast period

The Building and Construction segment in the Dust Control or Suppression Chemicals market has experienced robust growth due to increasing awareness of environmental concerns and regulatory measures. As construction activities surge globally, there is a heightened demand for effective dust control solutions to mitigate air pollution and ensure compliance with stringent standards. The adoption of innovative dust suppression chemicals, such as binders and stabilizers, by construction companies has amplified. Additionally, the industry's shift towards sustainable and eco-friendly practices has further accelerated the adoption of advanced dust control technologies, fostering growth in this segment.

Region with largest share:

The dust control and suppression chemicals market in North America has grown significantly. Effective dust control measures have been adopted by industries due to strict environmental regulations and growing awareness of the health risks associated with airborne dust. The mining and construction industries, which are major sources of dust pollution, have experienced rapid expansion in North America, which has increased demand for chemicals used to suppress dust. Furthermore, a surge in the adoption of cutting-edge dust control solutions has resulted from the region's emphasis on sustainable practices and the growing importance of occupational safety.

Region with highest CAGR:

The market for dust control or suppression chemicals has grown substantially in the Asia-Pacific area as a result of expanding industrial activity and building projects. The need for efficient chemicals in the area is being driven by industries' adoption of dust control solutions. The need for dust suppression on building sites has also been fueled by the world's fastest urbanization and infrastructure development, which is driving the market's expansion. Initiatives by the government to combat air pollution have also been crucial in encouraging the Asia-Pacific region's industries to use dust control chemicals.

Key players in the market

Some of the key players in Dust Control or Suppression Chemicals market include ADM, BASF, Benetech Inc., Borregaard, Cargill Incorporated, Chemtex Speciality Limited, Dow Chemicals, Ecolab, Evonik Industries AG, GelTech Solutions, Hexion, Quaker Houghton, Shaw Almex Industries Ltd , SUEZ and Veolia Environnement.

+357 96 030922
info@marketpublishers.com

Key Developments:

In November 2023, Dow and Evonik Industries AG announced the successful start-up and operation of a pioneering hydrogen peroxide to propylene glycol (HPPG) pilot plant at Evonik's site in Hanau, Germany. Collaboratively developed by Dow, the world's largest producer of propylene glycol, and globally leading hydrogen peroxide manufacturer Evonik, the plant uses the distinct HYPROSYN method to enable the direct synthesis of propylene glycol (PG) from hydrogen peroxide and propylene.

In October 2023, Veolia North America, a leading integrated provider of environmental services in the U.S. and Canada, announced that it has completed the acquisition of U.S. Industrial Technologies, a Michigan-based provider of total waste and recycling services that has managed industrial waste streams for automakers as well as other large manufacturers, medium and small businesses and governments and municipalities since 1996.

Chemical Types Covered:

- Calcium Chloride
- Asphalt Emulsions
- Magnesium Chloride
- Polymeric Emulsions
- Oil Emulsions
- Lignin Sulfonate
- Other Chemical Types

System Types Covered:

- Wet Suppression
- Dry Collection

+357 96 030922
info@marketpublishers.com

Other System Types

System Mobilities Covered:

Mobile Controllers

Fixed Controllers

Other System Mobilities

End Users Covered:

Building and Construction

Mining

Food and Beverage

Oil & Gas and Petrochemical

Pharmaceutical

Airports and Military

Other End Users

Regions Covered:

North America

US

Canada

Mexico

Europe

- Germany
- UK
- Italy
- France
- Spain
- Rest of Europe

Asia Pacific

- Japan
- China
- India
- Australia
- New Zealand
- South Korea
- Rest of Asia Pacific

South America

- Argentina
- Brazil
- Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:
- Market share assessments for the regional and country-level segments
- Strategic recommendations for the new entrants
- Covers Market data for the years 2023, 2024, 2025, 2026, 2027, 2028, 2030, 2032 and 2034
- Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)
- Strategic recommendations in key business segments based on the market estimations
- Competitive landscaping mapping the key common trends
- Company profiling with detailed strategies, financials, and recent developments
- Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

+357 96 030922
info@marketpublishers.com

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

Contents

8 GLOBAL DUST CONTROL OR SUPPRESSION CHEMICALS MARKET MARKET, BY END USER

8.1 Introduction
8.2 Building and Construction
8.3 Mining
8.4 Food and Beverage
8.5 Oil & Gas and Petrochemical
8.6 Pharmaceutical
8.7 Airports and Military
8.8 Other End Users

9 GLOBAL DUST CONTROL OR SUPPRESSION CHEMICALS MARKET MARKET, BY GEOGRAPHY

9.1 Introduction
9.2 North America
  9.2.1 US
  9.2.2 Canada
  9.2.3 Mexico
9.3 Europe
  9.3.1 Germany
  9.3.2 UK
  9.3.3 Italy
  9.3.4 France
  9.3.5 Spain
  9.3.6 Rest of Europe
9.4 Asia Pacific
  9.4.1 Japan
  9.4.2 China
  9.4.3 India
  9.4.4 Australia
  9.4.5 New Zealand
  9.4.6 South Korea
  9.4.7 Rest of Asia Pacific
9.5 South America
  9.5.1 Argentina
  9.5.2 Brazil

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

List Of Tables

LIST OF TABLES

Table 38 Global Dust Control or Suppression Chemicals Market Market Outlook, By Other End Users (2023-2034) ($MN)

Note: Tables for North America, Europe, APAC, South America, and Middle East & Africa Regions are also represented in the same manner as above.

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Dust Control or Suppression Chemicals Market Forecasts to 2034 – Global Analysis By Chemical Type (Calcium Chloride, Asphalt Emulsions and Other Chemical Types), System Type (Wet Suppression, Dry Collection and Other System Types), System Mobility, End User and By Geography

Product link: https://marketpublishers.com/r/DB89FF1BD08AEN.html

Price: US$ 4,150.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/DB89FF1BD08AEN.html