

Dust Control Systems and Suppression Chemicals Market - Growth, Trends, Covid-19 Impact, and Forecasts (2023 - 2028)

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Report description:

The dust control systems and suppression chemicals market was valued at more than USD 12.5 billion in 2021. It is expected to record a CAGR of more than 4% during the forecast period.

The COVID-19 pandemic negatively impacted the market. However, the market is reaching pre-pandemic levels and is expected to grow steadily during the forecast period.

Key Highlights

Over the short term, the major factors driving the growth of the market are the growth in construction and infrastructure in Asia-Pacific and the increasing regulatory compliances.

Dust collection problems in the food and pharmaceutical industry are expected to hinder the growth of the market studied.

Asia-Pacific dominated the market worldwide, with the largest consumption coming from China and India.

Dust Control Systems & Suppression Chemicals Market Trends

Construction Industry to Dominate the Market

Dust control measures are applicable to any construction site where there is a potential for air and water pollution from dust traveling across the landscape or through the air.?

According to HSE statistics (UK government's Health and Safety Executive statistics), every year, more than 500 construction

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workers die from exposure to silica dust worldwide. Hence, it became important to regulate hazardous dust emissions, creating a significant demand for dust control systems and suppression chemicals over the last few years.?

When compared to conventional processes, dust suppression solutions offer a set of distinct advantages and lucrative benefits for construction applications, including easy application and long-life protection during extreme climatic conditions.?

Currently, there are state-of-the-art dust control solutions that can solve a range of dust control problems at construction sites and on all types of roads, from major highways and freeways to haulage, industrial, and rural roads, tarmacs, hardstand areas, and water-repellent pavements.?

Calcium chloride is the major dust control suppression chemical used in the construction industry. In addition, the construction industry uses polymer emulsions for stabilizing haul and access roads.?

Moreover, the increasing presence of foreign companies in the Asia-Pacific region has created a demand for new offices, buildings, production houses, etc., thereby, driving the construction sector in the region.?

Such factors are likely to help the construction industry dominate the market.

China to Dominate the Asia-Pacific Market

China's construction industry has been going through the Evergrande debt crisis, and it is expected to decline for a short while in the future.

The country has been focusing on reducing the consumption of coal for the past few years, mainly due to environmental concerns and climate goals.

This step was taken by the government in accordance with the growing coal imports of the country, due to the reduction in domestic production.

The new coal mines approved in the country are located in the regions of Xinjiang, Inner Mongolia, Shanxi, and Shaanxi, supported by the national strategy toward consolidating the output at dedicated coal production bases.

These new mines are planned for the expansion of the existing collieries. The country is expected to witness high demand for dust control systems and suppression chemicals for the development and operations of such new mines.

Thus, growth in various end-user industries is boosting the demand for dust control systems and suppression chemicals for various applications.?

Dust Control Systems & Suppression Chemicals Market Competitor Analysis

The dust suppression chemicals market is partially consolidated among very few players. Cargill Incorporated is the market leader worldwide, followed by Ecolab, SUEZ, and Hexion. There are many local players in the market holding no significant share.

Some of the other prominent players in the dust suppression systems market include Camfil, Donaldson Company Inc., and BossTek.

Additional Benefits:

The market estimate (ME) sheet in Excel format

3 months of analyst support

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