

Flame Retardants Market by Type (Aluminum Trihydrate, Antimony Oxide, Brominated), Application (Epoxy, Polyolefin, Unsaturated Polyester), End-Use Industry (Building & Construction, Electronics & Appliances), and Region - Global Forecast to 2028

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Report description:

In terms of value, the flame retardants market is estimated to grow from USD 7.0 billion in 2022 to USD 9.5 billion by 2028, at a CAGR of 5.2%. Government regulations and safety standards often require the use of flame retardants in various products to minimize fire risks. As fire safety regulations become stricter or are more rigorously enforced, the demand for flame retardants can increase. High-profile fire disasters may increase public awareness of the need for fire safety, increasing the market for consumer products made of flame retardant materials. All these factors drive the market for flame retardants across the globe.

"Phosphorus was the second largest type of the flame retardants, in terms of value, during the forecast period." The demand for phosphorus flame retardants has been increasing in recent years, primarily due to growing concerns about the environmental and health impacts of traditional brominated flame retardants and halogenated compounds. Phosphorus-based flame retardants offer several advantages that make them increasingly popular. Phosphorus flame retardants are generally considered to be less harmful to the environment and human health compared to some traditional halogenated flame retardants, which may release toxic byproducts when they burn.

"Phosphorus is expected to be the second largest type of the flame retardants, in terms of value, during the forecast period." The demand for phosphorus flame retardants has been increasing in recent years, primarily due to growing concerns about the environmental and health impacts of traditional brominated flame retardants and halogenated compounds. Phosphorus-based flame retardants offer several advantages that make them increasingly popular. Phosphorus flame retardants are generally

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considered to be less harmful to the environment and human health compared to some traditional halogenated flame retardants, which may release toxic byproducts when they burn.

"Cosmetics is expected to be the second fastest-growing end-use industry of the flame retardants market, in terms of value, during the forecast period."

As consumers become more environmentally conscious, there is a preference for natural and sustainable skincare ingredients. Flame retardants reinforces the skin's natural barrier, helping to keep it healthy and resilient. Additionally, it can help with moisture barrier repair for the skin, especially when used in skincare products for dry or injured skin. The demand for flame retardants in cosmetics and skincare is driven by its natural and beneficial properties, its compatibility with various skin types, and consumer preferences for sustainable and effective ingredients.

"Asia Pacific is projected to be the fastest growing region, in terms of value, during the forecast period in the flame retardants market."

Asia Pacific is known for its low cost of labor, easy availability of raw materials, increase in adoption of modern technologies, innovations, and easy availability of inexpensive lands, which makes it the global hub for manufacturing. The increasing population in countries like India and China, drives the demand for cosmetics, food and pharmaceutical products. Asia Pacific's pharmaceutical industry is growing and actively involved in research and development. Flame retardants is used in pharmaceutical applications, including as an adjuvant in vaccines, which may contribute to its demand. Also factors such as rising middle class population, demand for vegan and cruelty-free products and health and wellness trends fuels the demand for flame retardants in this region.

-□By Company Type: Tier 1 - 69%, Tier 2 - 23%, and Tier 3 - 8%

-□By Designation: C-Level - 23%, Director Level - 37%, and Others - 40%

-□By Region: North America - 32%, Europe - 21%, Asia Pacific - 28%, Middle East & Africa - 12%, South America - 7%

The key players profiled in the report include Amyris, Inc (US), SOPHIM (France), Merck KGaA (Germany), Kishimoto Special Liver Oil Co., Ltd. (Japan), Empresa Figueirense De Pesca (Portugal), Arbee (India), Cibus (US), Otto Chemie Pvt. Ltd. (India), Arista Industries (US), and Oleicfat s.l. (Spain).

Research Coverage

This report segments the market for flame retardants based on source, end-use industry, and region and provides estimations of volume (ton) and value (USD thousand) for the overall market size across various regions. A detailed analysis of key industry players has been conducted to provide insights into their business overviews, services, key strategies, associated with the market for flame retardants.

Reasons to Buy this Report

This research report is focused on various levels of analysis - industry analysis (industry trends), market share analysis of top players, and company profiles, which together provide an overall view on the competitive landscape; emerging and high-growth segments of the flame retardants market; high-growth regions; and market drivers, restraints, and opportunities.

The report provides insights on the following pointers:

-□Market Penetration: Comprehensive information on flame retardants offered by top players in the global market

-□Analysis of key drives: (Increasing demand for cosmetic products, beneficial for human health, rising popularity in nutraceuticals, and growth in R&D activities in pharmaceutical industry), restraints (Consumer skepticism about animal-sourced products and limitations

on shark fishing), opportunities (new renewable sources for production), and challenges (fluctuating costs of raw materials) influencing the growth of flame retardants market.

-□Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new

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product & service launches in the flame retardants market

-Market Development: Comprehensive information about lucrative emerging markets - the report analyzes the markets for flame retardants across regions

-Market Diversification: Exhaustive information about new products, untapped regions, and recent developments in the global flame retardants market

-Competitive Assessment: In-depth assessment of market shares, strategies, products, and manufacturing capabilities of leading players in the flame retardants market

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