

Flame Retardant Chemicals – A Global Market Overview

“The report reviews, analyzes and projects the global market for Flame Retardant Chemicals for the period 2017-2026. The market for Flame Retardant Chemicals Product Types analyzed in this report includes Aluminum Hydroxide Brominated Compounds, Chlorinated Compounds, Phosphorus Compounds, Antimony Oxides and Others. Global markets for major applications of Flame Retardant Chemicals studied in comprise Engineering Thermoplastics, Epoxy Resins, Polyolefins, Polyvinyl Chloride (PVC), Rubber, Styrenics, Unsaturated Polyester Resins (UPRs) and Others. The report also explores the market for end-use industries of Flame Retardant Chemicals including Building & Construction, Electrical & Electronics, Textiles & Furniture, Transportation, Others.”

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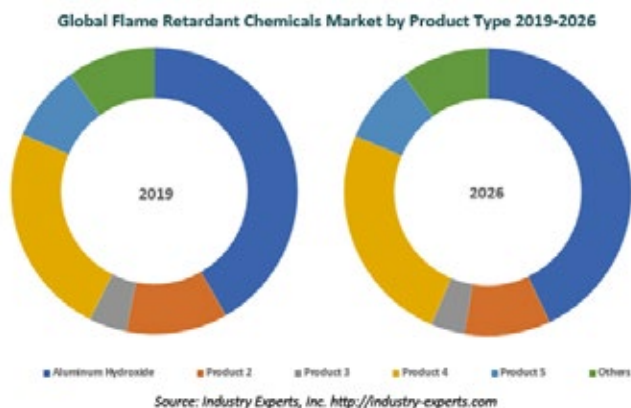
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Report Synopsis

Epoxy resins and polyolefins form the two largest applications for flame retardant chemicals, and they will retain their leadership position over the analysis period with epoxy resins recording the fastest growth. While the global building & construction industry accounts for the largest share of flame retardants demand, the electrical & electronics sector, particularly in Asia, will emerge as the fastest growing. Asia-Pacific will retain its dominant position as the largest, as also the fastest growing, market for flame retardant chemicals. Bio-based and plant-based flame retardants are other areas where extensive research efforts are underway to introduce innovative solutions that offer renewability and sustainability.

Aluminum Hydroxide is the largest consumed product type with an estimated share of about 42% in 2019, which is anticipated to reach a projected US\$5.4 billion by 2026. However, the global market for Phosphorus Compounds is likely to log the fastest 2019-2026 CAGR of 5.6% and reach a projected US\$3.1 billion by 2026. The overall global Flame Retardant Chemicals market for 2020 is expected to reach 2.8 million metric tons.



Research Findings & Coverage

- Flame Retardant Chemicals global market analyzed in this study with respect to product types, major applications and key end-use industries
- The report estimates/projects the market size of Flame Retardant Chemicals by product type, application and end-use industry in each major region/country globally for the analysis period
- Regulations Galvanize the Move Towards Halogen-Free Flame Retardants in Polymers
- Bio-Based Flame Retardants Gain Traction

- Flame Retardants from Plants Become a Reality
- Lignin and Its Derivatives Find Application as Innovative Flame Retardants in Polymer Systems
- Key business trends focusing on product innovations/developments, M&As, JVs and other recent industry developments
- Major companies profiled – 50
- The industry guide includes the contact details for 257 companies

Product Outline

The market for product types of Flame Retardant Chemicals analyzed in this study includes the following:

- Aluminum Hydroxide
- Brominated Compounds
- Chlorinated Compounds
- Phosphorus Compounds
- Antimony Oxides
- Other Flame Retardants

The report analyzes the market for the major applications of Flame Retardant Chemicals including:

- Engineering Thermoplastics
- Epoxy Resins
- Polyolefins
- Polyvinyl Chloride (PVC)
- Rubber
- Styrenics
- Unsaturated Polyester Resins (UPRs)
- Other Applications

Flame Retardant Chemicals' market in key end-use industries analyzed in this study comprises:

- Building & Construction
- Electrical & Electronics
- Textiles & Furniture
- Transportation
- Other End-Use Industries

Analysis Period, Units and Growth Rates

- The report reviews, analyzes and projects the global Flame Retardant Chemicals market for the period 2017-2026 in terms of value in US\$ and volume in Metric Tons (only by geographic region at global and major regions) the compound annual growth rates (CAGRs) projected from 2019 through 2026

Geographic Coverage

- **North America** (The United States, Canada and Mexico)
- **Europe** (France, Germany, Italy, Russia, Spain, the United Kingdom and Rest of Europe)
- **Asia-Pacific** (China, India, Japan, South Korea and Rest of Asia-Pacific)
- **Rest of World**

SAMPLE COMPANY PROFILE

ADEKA CORPORATION

7-2-35 Higashi-ogu, Arakawa-ku, Tokyo 116-8554, Japan
Phone: 03-4455-2811
Website: www.adeka.co.jp

Business Overview

Established in 1917 and headquartered in Tokyo, ADEKA Corporation (ADEKA) is one of the worldwide leaders in providing organic and inorganic intermediate products and solutions used in chemical additives such as high performance materials for semiconductors and digital appliances. The company also offers highly value-added chemical products developed by its own technology ideal in preparing breads and sweets sold in bakery and confectionery shops, supermarkets, and convenience stores. ADEKA operates production plants in Kashima, Chiba, Mie, Fuji, Akashi and Soma as well as R&D centers in locations such as Ogu (Tokyo), Urawa and Kuki. ADEKA developed novel halogen-free flame retardants "ADK STAB FP series" that generate no smoke and carbon monoxide by forming intumescent layer, making both environmental conscious and a factor in reducing fire-related deaths. The company is also proactively expanding its business by establishing an organization capable of adapting to diversifying market needs by reinforcing its R&D and sales capabilities with the addition of affiliate companies through industrial cooperation. The company's key product portfolio includes additives for polyolefin, PVC stabilizer, plasticizer, flame retardant, silicate derivative product, Hydrogen peroxide & derivative products, epoxy resin, polyurethane raw material, Water borne resin, Surfactant, lubricant additive, kitchen detergent, cosmetic ingredients, Propylene glycol, industrial oil & fat derivative product and others. The company is engaged in the manufacture of antioxidants that are indispensable for preventing deterioration, light stabilizers that are resistant to harsh outdoor environment, flame retardants that make plastic difficult to burn. The company operates 6 Sales office, 7 Production bases and 4 R&D centers. ADEKA is continuously expanding its product and sales base of chemical portfolio & network both domestically and overseas covering the U.S, Germany, France, South Korea, China, Taiwan, Thailand, Malaysia, Singapore, India, Vietnam, United Arab Emirates, and Brazil. ADEKA's flame retardants feature halogen free, have less impact on environment and cause less contamination problem due to their higher heat stability.

Product Analysis

Product	Description
Flame retardants	ADK STAB FP series, ADK STAB FP-600, ADK STAB FP-2100JC, ADK STAB FP-2200S, ADK STAB FP-2500S,
ADK STAB FP-600	ADK STAB FP-600 is a high molecular weight, liquid phosphate ester that combines flame retardant performance with good processing properties. The phosphate features high thermal stability offers superior long term service life of final parts. The retardant also retains the mechanical properties of final compounds such as heat resistance, melt flow and stiffness. The product is used in PC/ABS alloys, PPE, HIPS, PC Industry standard for most E&E applications.

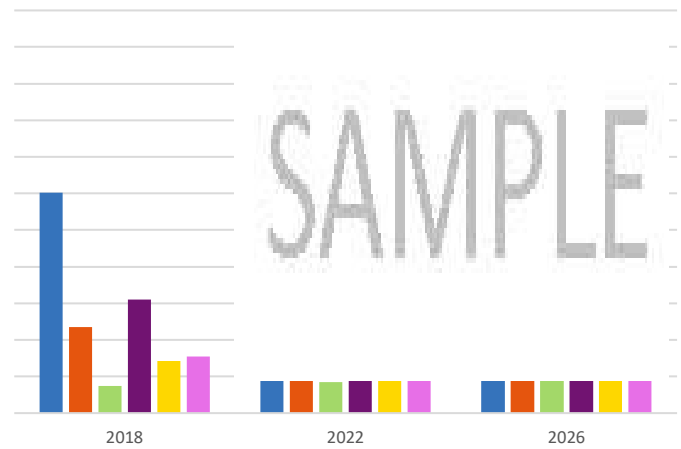
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SAMPLE TABLE/CHART

Glance at 2019 Global Flame Retardant Chemicals Volume Market Share (%) by Geographic Region – North America, Europe, Asia-Pacific and Rest of World



Asia-Pacific Flame Retardant Chemicals Market Analysis (2017-2026) by Product Type – Aluminum Hydroxide, Brominated Compounds, Chlorinated Compounds, Phosphorus Compounds, Antimony Oxides and Other Flame Retardants in USD Million



KEY PLAYERS PROFILED

- Adeka Corporation
- Albemarle Corporation
- Almatris GmbH
- China Minmetals Corporation
- Clariant AG
- Daihachi Chemical Industry Co., Ltd
- Huber Engineered Materials
- Israel Chemicals Ltd
- Jiangsu Yoke Technology Co., Ltd.
- Lanxess AG
- Nabaltec AG
- U.S. Borax-Rio Tinto
- Zhejiang Wansheng Co., Ltd.

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About Industry Experts

Industry Experts’ market research, backed by years of experience and an analytical team dedicated to providing the most optimal business solutions, has been specifically designed to provide a variety of benefits, both current and future. Our leading-edge publications make the life easy for corporate strategists, investors, analysts and researchers, startups, consultants, financial and banking executives, academicians and many more. The company also provides customized research reports to cater the needs of the industry.

Business intelligence provides the critical link between comprehending prevailing market conditions and devising strategies to maximize parameters, such as revenues, profits and return on investment in order to gain market share. The significance of market research can be largely understood through the range of factors that impact businesses. These can comprise market size (current and projected), geographic market reach and demand and supply scenario, to name a few. Our ongoing quest to collect up to date and accurate information by conducting online surveys, personal interviews, taking the opinions of senior level executives will enable us to serve our clients better in every possible aspect.

More about Industry Experts



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