

# Global (North America, Europe, Asia-Pacific, South America, Middle East and Africa) TCPP Flame Retardant Market 2018, Forecast to 2023

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## Abstracts

Flame retardants are compounds added to manufactured materials, such as plastics and textiles, and surface finishes and coatings that inhibit, suppress, or delay the production of flames to prevent the spread of fire. They may be mixed with the base material (additive flame retardants) or chemically bonded to it (reactive flame retardants). Mineral flame retardants are typically additive while organo halogen and organophosphorus compounds can be either reactive or additive.

TCPP is an additive flame retardant, i.e. it is physically combined with the material being treated rather than chemically combined. The amount of flame retardant used in any given application depends on a number of factors such as the flame retardancy required for a given product, the effectiveness of the flame retardant and synergist within a given polymer system, the physical characteristics of the end product (e.g. colour, density, stability, etc.) and the use to which the end product will be put.

TCPP, the chemical name is tris (2-chloroisopropyl) phosphate, is low cost chlorine and phosphorous based flame retardant. It has the best hydrolysis stability among currently available halogenated organic phosphates. Cannot dissolve in water, dissolve in most organic solvent, and have good compatibility with resins. TCPP flame retardant soluble in alcohols, benzene, esters and carbon tetrachloride. insoluble in water and aliphatic hydrocarbon. It has low toxicity, non-corrosive, moisture-proof and anti-static.

### Scope of the Report:

This report focuses on the TCPP Flame Retardant in global market, especially in North America, Europe and Asia-Pacific, South America, Middle East and Africa. This report categorizes the market based on manufacturers, regions, type and application.

There are companies adding new capacities and aim at the cost and quality leadership

which shall improve profitability. As the same time, companies are focusing on technological innovation, equipment upgrades, and process improvements, to reduce costs and improve quality. The competition in TCPP Flame Retardant market will become more intense.

The worldwide market for TCPP Flame Retardant is expected to grow at a CAGR of roughly xx% over the next five years, will reach xx million US\$ in 2023, from xx million US\$ in 2017, according to a new GIR (Global Info Research) study.

Market Segment by Manufacturers, this report covers

ICL

Albemarle

Lanxess

DAIHACHI

Jiangsu Yoke Technology

Zhejiang Wansheng

Taizhou Xin'an retardant Materials

TRCI

Futong Chemical

Jiangsu Firex Chemical

Yangzhou Chenhua New Materials

Zhejiang Honghao Technology

Xinhang Chemical

Zhejiang Chunan Auxiliary

Market Segment by Regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia and Italy)

Asia-Pacific (China, Japan, Korea, India and Southeast Asia)

South America (Brazil, Argentina, Colombia etc.)

Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa)

Market Segment by Type, covers

Endothermic Degradation

Dilution of Gas Phase

Gas Phase Radical Quenching

Thermal Shielding

Market Segment by Applications, can be divided into

Polyurethane Foam

Engineering Plastic

Other

There are 15 Chapters to deeply display the global TCPP Flame Retardant market.

Chapter 1, to describe TCPP Flame Retardant Introduction, product scope, market overview, market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of TCPP Flame Retardant, with sales, revenue, and price of TCPP Flame Retardant, in 2016 and 2017;

Chapter 3, to display the competitive situation among the top manufacturers, with sales, revenue and market share in 2016 and 2017;

Chapter 4, to show the global market by regions, with sales, revenue and market share of TCPP Flame Retardant, for each region, from 2013 to 2018;

Chapter 5, 6, 7, 8 and 9, to analyze the market by countries, by type, by application and by manufacturers, with sales, revenue and market share by key countries in these regions;

Chapter 10 and 11, to show the market by type and application, with sales market share and growth rate by type, application, from 2013 to 2018;

Chapter 12, TCPP Flame Retardant market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023;

Chapter 13, 14 and 15, to describe TCPP Flame Retardant sales channel, distributors, traders, dealers, Research Findings and Conclusion, appendix and data source

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