

Global Aqueous Film Forming Foams (AFFF) Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global Aqueous Film Forming Foams (AFFF) market size was valued at USD 121.4 million in 2023 and is forecast to a readjusted size of USD 106.7 million by 2030 with a CAGR of -1.8% during review period.

Aqueous film forming foams (AFFF) is a film-forming foam fire extinguishing agent, which is mainly prepared from fluorosurfactant, foaming agent, etc. Fires of non-polar or hydrocarbon fuels are extinguished after mixing with water in a foam tank (foam proportioning mixing device) at a concentration of 1%, 3% or 6%. Can be used in combination with compatible dry powder fire extinguishing agents and can be used with most foamed foams in fire extinguishing processes. In the process of fire extinguishing, the water separated from the foam layer of the aqueous film-forming foam liquid can form a well-sealed water film on the surface of the fuel, which can isolate the contact between the fuel and the air. , High-efficiency oil fire fighting. It is characterized by low energy consumption, requiring only minimal stirring energy. The resulting foam has excellent fluidity and can quickly overwhelm flames to put out oil fires. Compatible with most proportioning units (foam tanks) and foam extinguishing units. Can be used in combination with compatible dry powder fire extinguishing agents. It is suitable for extinguishing Class A and B hydrocarbon fires, such as oil and fuel oil, gasoline, flammable materials, etc. It can also be used to extinguish large oil tank fires by means of 'submerged jet'. However, it is not applicable to the fire of polar solvents or water-soluble fuels, such as alcohols, esters, aldehydes, ethers, ketones and other flammable liquids.

Global key players of aqueous film forming foams (AFFF) include Tyco Fire Protection

Products, Naffco, Perimeter Solutions, etc. Asia-Pacific is the largest producer of aqueous film forming foams (AFFF), holds a share about 55%, followed by North America, and Europe. In terms of purity, 6% AFFF is the largest segment, with a share about 50%. And in terms of application, the largest segment is petrochemical and chemical plants, with a share about 40%.

The Global Info Research report includes an overview of the development of the Aqueous Film Forming Foams (AFFF) industry chain, the market status of Petrochemical and Chemical Plants (1% AFFF, 3% AFFF), Offshore Installations (1% AFFF, 3% AFFF), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Aqueous Film Forming Foams (AFFF).

Regionally, the report analyzes the Aqueous Film Forming Foams (AFFF) markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Aqueous Film Forming Foams (AFFF) market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Aqueous Film Forming Foams (AFFF) market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Aqueous Film Forming Foams (AFFF) industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (Tons), revenue generated, and market share of different by Type (e.g., 1% AFFF, 3% AFFF).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Aqueous Film Forming Foams (AFFF) market.

Regional Analysis: The report involves examining the Aqueous Film Forming Foams (AFFF) market at a regional or national level. Report analyses regional factors such as

government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Aqueous Film Forming Foams (AFFF) market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Aqueous Film Forming Foams (AFFF):

Company Analysis: Report covers individual Aqueous Film Forming Foams (AFFF) manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Aqueous Film Forming Foams (AFFF). This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Petrochemical and Chemical Plants, Offshore Installations).

Technology Analysis: Report covers specific technologies relevant to Aqueous Film Forming Foams (AFFF). It assesses the current state, advancements, and potential future developments in Aqueous Film Forming Foams (AFFF) areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Aqueous Film Forming Foams (AFFF) market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Aqueous Film Forming Foams (AFFF) market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

1% AFFF

3% AFFF

6% AFFF

Market segment by Application

Petrochemical and Chemical Plants

Offshore Installations

Military Facilities

Airport

Others

Major players covered

Tyco Fire Protection Products

Naffco

Perimeter Solutions

Buckeye Fire Equipment

Suolong Fire Science and Technology

Angus Fire

DIC

Langchao Fire Technology

National Foam

Jiangya

Orchidee

Dr. Richard Sthamer

Unifoam

Profoam

Gongan Industrial Development

Dafo Fomtec

Yunlong RRE Equipment

Shanghai Waysmos

Shanghai Liuli

DAIICHI KASEI SANGYO

IFP INDIA

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

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

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Aqueous Film Forming Foams (AFFF) product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Aqueous Film Forming Foams (AFFF), with price, sales, revenue and global market share of Aqueous Film Forming Foams (AFFF) from 2019 to 2024.

Chapter 3, the Aqueous Film Forming Foams (AFFF) competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Aqueous Film Forming Foams (AFFF) breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and Aqueous Film Forming Foams (AFFF) market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Aqueous Film Forming Foams (AFFF).

Chapter 14 and 15, to describe Aqueous Film Forming Foams (AFFF) sales channel, distributors, customers, research findings and conclusion.

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