

# Fire Fighting Chemicals Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2022-2027

<https://marketpublishers.com/r/FFF930F9E5D6EN.html>

Date: November 2022

Pages: 142

Price: US\$ 2,499.00 (Single User License)

ID: FFF930F9E5D6EN

## Abstracts

The global fire fighting chemicals market size reached US\$ 2.5 Billion in 2021. Looking forward, IMARC Group expects the market to reach US\$ 3.1 Billion by 2027, exhibiting a growth rate (CAGR) of 3.9% during 2022-2027.

Fire fighting chemicals are chemical compounds used for suppressing and extinguishing fires. They are stored in pressurized containers with active propelling agents and are blended with various additives, stabilizers and preservatives to reduce the temperature of the fire, coat the fuel and prevent combustion. Some commonly used chemicals include dry, powder or aqueous film-forming foam (AFFF), alcohol-resistant AFFF, protein foam (PF) and synthetic detergent foam. These chemicals are manufactured using industrial solvents, such as monoammonium phosphate, carbon dioxide, halon, potassium citrate and potassium bicarbonate. They are widely used in firefighting equipment, such as automatic sprinkler systems, fixed and portable fire extinguishers, fire dampers, inert gas systems and fire-retardant bulkheads.

### Fire Fighting Chemicals Market Trends:

The increasing incidence of fire-related accidents leading to casualties and significant loss of property across the globe is among the key factors driving the market growth. Moreover, the widespread adoption of portable and hand-held fire extinguishers in construction sites, aircraft, hospitals, schools, theaters and residential complexes is providing a thrust to the growth of the market. Due to extensive infrastructural development, these spaces are increasingly becoming more prone to accidents and mishaps. Firefighting chemicals are stored in compact, easy-to-use extinguishers to minimize the risks of fire hazards and explosions. In line with this, these chemicals are also used across industries, such as oil and gas and mining, to contain and prevent

critical fire accidents in onshore and offshore facilities, pipelines and process plants. Additionally, various product innovations, such as the launch of environment-friendly firefighting chemicals, are acting as other growth-inducing factors. Product manufacturers are developing fluorine-free foams using natural surfactant blends, which are free from persistent, bio-accumulative and persistent organic pollutants. Other factors, including rising safety concerns and the implementation of favorable safety regulations by the governments of developed and emerging economies, are acting as other growth-inducing factors.

#### Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global fire fighting chemicals market report, along with forecasts at the global, regional and country level from 2022-2027. Our report has categorized the market based on type, chemicals and application.

#### Breakup by Type:

- Dry Chemicals
- Wet Chemicals
- Dry Powder
- Foam Based

#### Breakup by Chemicals:

- Monoammonium Phosphate
- Halon
- Carbon Dioxide
- Potassium Bicarbonate
- Potassium Citrate
- Sodium Chloride
- Others

#### Breakup by Application:

- Portable Fire Extinguishers
- Automatic Fire Sprinklers
- Fire Retardant Bulkhead
- Fire Dampers
- Others

## Breakup by Region:

North America

United States

Canada

Asia-Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

## Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Angus Fire, DIC Corporation, Fire Safety Devices Pvt. Ltd., Foamtech Antifire Company, Johnson Controls International plc, Linde plc, Orchidee Europe, Perimeter Solutions, Safequip Pty Ltd and Solvay S.A.

## Key Questions Answered in This Report:

How has the global fire fighting chemicals market performed so far and how will it perform in the coming years?

What has been the impact of COVID-19 on the global fire fighting chemicals market?

What are the key regional markets?

- What is the breakup of the market based on the type?
- What is the breakup of the market based on the chemicals?
- What is the breakup of the market based on the application?
- What are the various stages in the value chain of the industry?
- What are the key driving factors and challenges in the industry?
- What is the structure of the global fire fighting chemicals market and who are the key players?
- What is the degree of competition in the industry?

## Contents

### **1 PREFACE**

### **2 SCOPE AND METHODOLOGY**

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
  - 2.3.1 Primary Sources
  - 2.3.2 Secondary Sources
- 2.4 Market Estimation
  - 2.4.1 Bottom-Up Approach
  - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

### **3 EXECUTIVE SUMMARY**

### **4 INTRODUCTION**

- 4.1 Overview
- 4.2 Key Industry Trends

### **5 GLOBAL FIRE FIGHTING CHEMICALS MARKET**

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

### **6 MARKET BREAKUP BY TYPE**

- 6.1 Dry Chemicals
  - 6.1.1 Market Trends
  - 6.1.2 Market Forecast
- 6.2 Wet Chemicals
  - 6.2.1 Market Trends
  - 6.2.2 Market Forecast
- 6.3 Dry Powder

- 6.3.1 Market Trends
- 6.3.2 Market Forecast
- 6.4 Foam Based
  - 6.4.1 Market Trends
  - 6.4.2 Market Forecast

## **7 MARKET BREAKUP BY CHEMICALS**

- 7.1 Monoammonium Phosphate
  - 7.1.1 Market Trends
  - 7.1.2 Market Forecast
- 7.2 Halon
  - 7.2.1 Market Trends
  - 7.2.2 Market Forecast
- 7.3 Carbon Dioxide
  - 7.3.1 Market Trends
  - 7.3.2 Market Forecast
- 7.4 Potassium Bicarbonate
  - 7.4.1 Market Trends
  - 7.4.2 Market Forecast
- 7.5 Potassium Citrate
  - 7.5.1 Market Trends
  - 7.5.2 Market Forecast
- 7.6 Sodium Chloride
  - 7.6.1 Market Trends
  - 7.6.2 Market Forecast
- 7.7 Others
  - 7.7.1 Market Trends
  - 7.7.2 Market Forecast

## **8 MARKET BREAKUP BY APPLICATION**

- 8.1 Portable Fire Extinguishers
  - 8.1.1 Market Trends
  - 8.1.2 Market Forecast
- 8.2 Automatic Fire Sprinklers
  - 8.2.1 Market Trends
  - 8.2.2 Market Forecast
- 8.3 Fire Retardant Bulkhead

- 8.3.1 Market Trends
- 8.3.2 Market Forecast
- 8.4 Fire Dampers
  - 8.4.1 Market Trends
  - 8.4.2 Market Forecast
- 8.5 Others
  - 8.5.1 Market Trends
  - 8.5.2 Market Forecast

## **9 MARKET BREAKUP BY REGION**

- 9.1 North America
  - 9.1.1 United States
    - 9.1.1.1 Market Trends
    - 9.1.1.2 Market Forecast
  - 9.1.2 Canada
    - 9.1.2.1 Market Trends
    - 9.1.2.2 Market Forecast
- 9.2 Asia-Pacific
  - 9.2.1 China
    - 9.2.1.1 Market Trends
    - 9.2.1.2 Market Forecast
  - 9.2.2 Japan
    - 9.2.2.1 Market Trends
    - 9.2.2.2 Market Forecast
  - 9.2.3 India
    - 9.2.3.1 Market Trends
    - 9.2.3.2 Market Forecast
  - 9.2.4 South Korea
    - 9.2.4.1 Market Trends
    - 9.2.4.2 Market Forecast
  - 9.2.5 Australia
    - 9.2.5.1 Market Trends
    - 9.2.5.2 Market Forecast
  - 9.2.6 Indonesia
    - 9.2.6.1 Market Trends
    - 9.2.6.2 Market Forecast
  - 9.2.7 Others
    - 9.2.7.1 Market Trends

9.2.7.2 Market Forecast

## 9.3 Europe

9.3.1 Germany

9.3.1.1 Market Trends

9.3.1.2 Market Forecast

9.3.2 France

9.3.2.1 Market Trends

9.3.2.2 Market Forecast

9.3.3 United Kingdom

9.3.3.1 Market Trends

9.3.3.2 Market Forecast

9.3.4 Italy

9.3.4.1 Market Trends

9.3.4.2 Market Forecast

9.3.5 Spain

9.3.5.1 Market Trends

9.3.5.2 Market Forecast

9.3.6 Russia

9.3.6.1 Market Trends

9.3.6.2 Market Forecast

9.3.7 Others

9.3.7.1 Market Trends

9.3.7.2 Market Forecast

## 9.4 Latin America

9.4.1 Brazil

9.4.1.1 Market Trends

9.4.1.2 Market Forecast

9.4.2 Mexico

9.4.2.1 Market Trends

9.4.2.2 Market Forecast

9.4.3 Others

9.4.3.1 Market Trends

9.4.3.2 Market Forecast

## 9.5 Middle East and Africa

9.5.1 Market Trends

9.5.2 Market Breakup by Country

9.5.3 Market Forecast

## 10 SWOT ANALYSIS



- 10.1 Overview
- 10.2 Strengths
- 10.3 Weaknesses
- 10.4 Opportunities
- 10.5 Threats

## **11 VALUE CHAIN ANALYSIS**

## **12 PORTERS FIVE FORCES ANALYSIS**

- 12.1 Overview
- 12.2 Bargaining Power of Buyers
- 12.3 Bargaining Power of Suppliers
- 12.4 Degree of Competition
- 12.5 Threat of New Entrants
- 12.6 Threat of Substitutes

## **13 PRICE ANALYSIS**

## **14 COMPETITIVE LANDSCAPE**

- 14.1 Market Structure
- 14.2 Key Players
- 14.3 Profiles of Key Players
  - 14.3.1 Angus Fire
    - 14.3.1.1 Company Overview
    - 14.3.1.2 Product Portfolio
  - 14.3.2 DIC Corporation
    - 14.3.2.1 Company Overview
    - 14.3.2.2 Product Portfolio
    - 14.3.2.3 Financials
    - 14.3.2.4 SWOT Analysis
  - 14.3.3 Fire Safety Devices Pvt. Ltd.
    - 14.3.3.1 Company Overview
    - 14.3.3.2 Product Portfolio
  - 14.3.4 Foamtech Antifire Company
    - 14.3.4.1 Company Overview
    - 14.3.4.2 Product Portfolio

#### 14.3.5 Johnson Controls International plc

14.3.5.1 Company Overview

14.3.5.2 Product Portfolio

14.3.5.3 Financials

14.3.5.4 SWOT Analysis

#### 14.3.6 Linde plc

14.3.6.1 Company Overview

14.3.6.2 Product Portfolio

14.3.6.3 Financials

#### 14.3.7 Orchidee Europe

14.3.7.1 Company Overview

14.3.7.2 Product Portfolio

#### 14.3.8 Perimeter Solutions

14.3.8.1 Company Overview

14.3.8.2 Product Portfolio

#### 14.3.9 Safequip Pty Ltd

14.3.9.1 Company Overview

14.3.9.2 Product Portfolio

#### 14.3.10 Solvay S.A.

14.3.10.1 Company Overview

14.3.10.2 Product Portfolio

14.3.10.3 Financials

14.3.10.4 SWOT Analysis

## List Of Tables

### LIST OF TABLES

Table 1: Global: Fire Fighting Chemicals Market: Key Industry Highlights, 2021 and 2027

Table 2: Global: Fire Fighting Chemicals Market Forecast: Breakup by Type (in Million US\$), 2022-2027

Table 3: Global: Fire Fighting Chemicals Market Forecast: Breakup by Chemicals (in Million US\$), 2022-2027

Table 4: Global: Fire Fighting Chemicals Market Forecast: Breakup by Application (in Million US\$), 2022-2027

Table 5: Global: Fire Fighting Chemicals Market Forecast: Breakup by Region (in Million US\$), 2022-2027

Table 6: Global: Fire Fighting Chemicals Market: Competitive Structure

Table 7: Global: Fire Fighting Chemicals Market: Key Players

## List Of Figures

### LIST OF FIGURES

Figure 1: Global: Fire Fighting Chemicals Market: Major Drivers and Challenges

Figure 2: Global: Fire Fighting Chemicals Market: Sales Value (in Billion US\$), 2016-2021

Figure 3: Global: Fire Fighting Chemicals Market Forecast: Sales Value (in Billion US\$), 2022-2027

Figure 4: Global: Fire Fighting Chemicals Market: Breakup by Type (in %), 2021

Figure 5: Global: Fire Fighting Chemicals Market: Breakup by Chemicals (in %), 2021

Figure 6: Global: Fire Fighting Chemicals Market: Breakup by Application (in %), 2021

Figure 7: Global: Fire Fighting Chemicals Market: Breakup by Region (in %), 2021

Figure 8: Global: Fire Fighting Chemicals (Dry Chemicals) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 9: Global: Fire Fighting Chemicals (Dry Chemicals) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 10: Global: Fire Fighting Chemicals (Wet Chemicals) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 11: Global: Fire Fighting Chemicals (Wet Chemicals) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 12: Global: Fire Fighting Chemicals (Dry Powder) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 13: Global: Fire Fighting Chemicals (Dry Powder) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 14: Global: Fire Fighting Chemicals (Foam Based) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 15: Global: Fire Fighting Chemicals (Foam Based) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 16: Global: Fire Fighting Chemicals (Monoammonium Phosphate) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 17: Global: Fire Fighting Chemicals (Monoammonium Phosphate) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 18: Global: Fire Fighting Chemicals (Halon) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 19: Global: Fire Fighting Chemicals (Halon) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 20: Global: Fire Fighting Chemicals (Carbon Dioxide) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 21: Global: Fire Fighting Chemicals (Carbon Dioxide) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 22: Global: Fire Fighting Chemicals (Potassium Bicarbonate) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 23: Global: Fire Fighting Chemicals (Potassium Bicarbonate) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 24: Global: Fire Fighting Chemicals (Potassium Citrate) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 25: Global: Fire Fighting Chemicals (Potassium Citrate) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 26: Global: Fire Fighting Chemicals (Sodium Chloride) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 27: Global: Fire Fighting Chemicals (Sodium Chloride) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 28: Global: Fire Fighting Chemicals (Other Chemicals) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 29: Global: Fire Fighting Chemicals (Other Chemicals) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 30: Global: Fire Fighting Chemicals (Portable Fire Extinguishers) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 31: Global: Fire Fighting Chemicals (Portable Fire Extinguishers) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 32: Global: Fire Fighting Chemicals (Automatic Fire Sprinklers) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 33: Global: Fire Fighting Chemicals (Automatic Fire Sprinklers) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 34: Global: Fire Fighting Chemicals (Fire Retardant Bulkhead) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 35: Global: Fire Fighting Chemicals (Fire Retardant Bulkhead) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 36: Global: Fire Fighting Chemicals (Fire Dampers) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 37: Global: Fire Fighting Chemicals (Fire Dampers) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 38: Global: Fire Fighting Chemicals (Other Applications) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 39: Global: Fire Fighting Chemicals (Other Applications) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 40: North America: Fire Fighting Chemicals Market: Sales Value (in Million US\$),

2016 & 2021

Figure 41: North America: Fire Fighting Chemicals Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 42: United States: Fire Fighting Chemicals Market: Sales Value (in Million US\$), 2016 & 2021

Figure 43: United States: Fire Fighting Chemicals Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 44: Canada: Fire Fighting Chemicals Market: Sales Value (in Million US\$), 2016 & 2021

Figure 45: Canada: Fire Fighting Chemicals Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 46: Asia-Pacific: Fire Fighting Chemicals Market: Sales Value (in Million US\$), 2016 & 2021

Figure 47: Asia-Pacific: Fire Fighting Chemicals Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 48: China: Fire Fighting Chemicals Market: Sales Value (in Million US\$), 2016 & 2021

Figure 49: China: Fire Fighting Chemicals Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 50: Japan: Fire Fighting Chemicals Market: Sales Value (in Million US\$), 2016 & 2021

Figure 51: Japan: Fire Fighting Chemicals Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 52: India: Fire Fighting Chemicals Market: Sales Value (in Million US\$), 2016 & 2021

Figure 53: India: Fire Fighting Chemicals Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 54: South Korea: Fire Fighting Chemicals Market: Sales Value (in Million US\$), 2016 & 2021

Figure 55: South Korea: Fire Fighting Chemicals Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 56: Australia: Fire Fighting Chemicals Market: Sales Value (in Million US\$), 2016 & 2021

Figure 57: Australia: Fire Fighting Chemicals Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 58: Indonesia: Fire Fighting Chemicals Market: Sales Value (in Million US\$), 2016 & 2021

Figure 59: Indonesia: Fire Fighting Chemicals Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 60: Others: Fire Fighting Chemicals Market: Sales Value (in Million US\$), 2016 & 2021

Figure 61: Others: Fire Fighting Chemicals Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 62: Europe: Fire Fighting Chemicals Market: Sales Value (in Million US\$), 2016 & 2021

Figure 63: Europe: Fire Fighting Chemicals Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 64: Germany: Fire Fighting Chemicals Market: Sales Value (in Million US\$), 2016 & 2021

Figure 65: Germany: Fire Fighting Chemicals Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 66: France: Fire Fighting Chemicals Market: Sales Value (in Million US\$), 2016 & 2021

Figure 67: France: Fire Fighting Chemicals Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 68: United Kingdom: Fire Fighting Chemicals Market: Sales Value (in Million US\$), 2016 & 2021

Figure 69: United Kingdom: Fire Fighting Chemicals Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 70: Italy: Fire Fighting Chemicals Market: Sales Value (in Million US\$), 2016 & 2021

Figure 71: Italy: Fire Fighting Chemicals Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 72: Spain: Fire Fighting Chemicals Market: Sales Value (in Million US\$), 2016 & 2021

Figure 73: Spain: Fire Fighting Chemicals Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 74: Russia: Fire Fighting Chemicals Market: Sales Value (in Million US\$), 2016 & 2021

Figure 75: Russia: Fire Fighting Chemicals Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 76: Others: Fire Fighting Chemicals Market: Sales Value (in Million US\$), 2016 & 2021

Figure 77: Others: Fire Fighting Chemicals Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 78: Latin America: Fire Fighting Chemicals Market: Sales Value (in Million US\$), 2016 & 2021

Figure 79: Latin America: Fire Fighting Chemicals Market Forecast: Sales Value (in

Million US\$), 2022-2027

Figure 80: Brazil: Fire Fighting Chemicals Market: Sales Value (in Million US\$), 2016 & 2021

Figure 81: Brazil: Fire Fighting Chemicals Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 82: Mexico: Fire Fighting Chemicals Market: Sales Value (in Million US\$), 2016 & 2021

Figure 83: Mexico: Fire Fighting Chemicals Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 84: Others: Fire Fighting Chemicals Market: Sales Value (in Million US\$), 2016 & 2021

Figure 85: Others: Fire Fighting Chemicals Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 86: Middle East and Africa: Fire Fighting Chemicals Market: Sales Value (in Million US\$), 2016 & 2021

Figure 87: Middle East and Africa: Fire Fighting Chemicals Market: Breakup by Country (in %), 2021

Figure 88: Middle East and Africa: Fire Fighting Chemicals Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 89: Global: Fire Fighting Chemicals Industry: SWOT Analysis

Figure 90: Global: Fire Fighting Chemicals Industry: Value Chain Analysis

Figure 91: Global: Fire Fighting Chemicals Industry: Porter's Five Forces Analysis



## I would like to order

Product name: Fire Fighting Chemicals Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2022-2027

Product link: <https://marketpublishers.com/r/FFF930F9E5D6EN.html>

Price: US\$ 2,499.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/FFF930F9E5D6EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

