Flocculant and Coagulant Market in APAC by Type (Aluminum Sulfate, Ferric Sulfate, Ferrous Sulfate, Ferric Chloride, and Others), Application (Municipal Water Treatment, Power Generation, Chemical Processing, and Others) - Forecast to 2021

Description:

The Flocculant and Coagulant market in APAC is projected to reach USD 708.4 million by 2021, registering a CAGR of 5.63% between 2016 and 2021. China, Japan, South Korea, Malaysia, and Australia & New Zealand are the major F&C markets in the Asia-Pacific region. Rising demand from end-use applications such as municipal water treatment, mine water treatment, power generation, chemical processing, and others is also a major driver for the F&C market.

F&C are widely used in municipal water treatment applications. The increased investments in municipal water infrastructure in developing countries, such as India, Vietnam, China, Malaysia, and Indonesia among others, seek to improve access to safe drinking water supplies and sanitation facilities. For instance, China had more than 3,800 wastewater treatment plants in 2014; the municipalities in the country are concentrating on water-saving mechanisms, such as recycling and reusing greywater, and also mandating the incorporation of water treatment techniques in houses and public buildings. The major municipal water treatment activities include sewage treatment, desalination process, membrane treatments, and water processing.

The increase in the use of F&C in Vietnam is projected to be driven by many factors such as stringent environment and water resources protection laws in the region, formulation process involving natural sustainable and renewable sources, recent expansions in the region, and so on. In addition to this, Vietnam has large reserves of primary energy resources, such as coal, mining, oil, natural gas, and water for hydropower generation. Out of these, coal is the major source of power generation. It also has high potential for renewable energy resources, such as biomass, solar, and wind. Vietnam's consumption of F&C has grown significantly and is expected to witness further growth in the near future. The high growth of the F&C market in the country is also a result of the growing population awareness and urbanization.

The market size of F&C estimated in this study has been validated through primaries conducted with various industry experts, globally. These primary sources have been divided in three categories: by company type; by designation; and by region.

- By Company Type - Tier 1 - 35%, Tier 2 - 45% and Tier 3 - 20%
- By Designation - C level - 35%, Director level - 25%, Others - 40%
- By Country - Japan - 45%, South Korea - 20%, India - 30%, Australia - 5%

The report also provides company profiles and competitive strategies adopted by the major market players such Kemira Oyj (Finland), Ecolab Inc. (U.S.), Solvay SA (Belgium), Akferal (Turkey), Cytec Industries Inc. (U.S.), and BASF SE (Germany).

Reasons to buy this report:

From an insight perspective, this research report has focused on various levels of analysis-industry analysis (industry trends), market share analysis of key players, supply chain analysis, and company profiles, which together comprise and discuss the basic views on the competitive landscape; emerging and high-growth segments of the F&C market; high-growth regions; and market drivers, restraints, and opportunities.

The report provides insights on the following pointers:

- Market Penetration: Comprehensive information on galley equipment offered by the top players in the APAC F&C market
- Product Development/Innovation: Detailed insights on upcoming technologies, research & development
activities, and new product launches in the F&C market

- Market Development: Comprehensive information about lucrative emerging markets - the report analyzes the markets for F&C across regions

- Market Diversification: Exhaustive information about new products, untapped geographies, recent developments, and investments in the APAC F&C market

- Competitive Assessment: In-depth assessment of market shares, strategies, products, and manufacturing capabilities of the leading players in the APAC F&C market

Contents:

1 Introduction
   1.1 Objectives of the Study
   1.2 Market Definition
   1.3 Market Covered
      1.3.1 Years Considered for the Study
   1.4 Currency
   1.5 Stakeholders

2 Research Methodology
   2.1 Research Data
      2.1.1 Secondary Data
         2.1.1.1 Key Data From Secondary Sources
      2.1.2 Primary Data
         2.1.2.1 Key Data From Primary Sources
         2.1.2.2 Breakdown of Primary Interviews
   2.2 Market Size Estimation
      2.2.1 Bottom-Up Approach
   2.3 Data Triangulation
   2.4 Research Assumptions and Limitations
      2.4.1 Assumptions
      2.4.2 Limitations

3 Executive Summary
   3.1 Future Market Outlook

4 Premium Insights
   4.1 Significant Market Opportunities for C&F
   4.2 C&F Market: Major End-Use Industries
   4.3 Asia-Pacific Market Share, By Country and Type
   4.4 Life Cycle Analysis

5 Market Overview
   5.1 Introduction
   5.2 Market Segmentation
   5.3 Market Dynamics
      5.3.1 Increasing Demand for Treated Water From Various End-Use Industries
         5.3.1.1 Stringent Regulatory and Sustainability Mandates Concerning the Environment
      5.3.2 Restraints
         5.3.2.1 Growing Demand for Alternate Water Treatment Technologies
      5.3.3 Opportunities
         5.3.3.1 Rising Population and Rapid Industrialization & Urbanization in the Emerging Economies
         5.3.3.2 Increase in Demand for Specific Formulations

6 Industry Trends
   6.1 Introduction
   6.2 Supply Chain Analysis
      6.2.1 Inbound Logistics
      6.2.2 Operations
      6.2.3 Outbound Logistics
      6.2.4 Marketing & Sales
      6.2.5 Services
6.3 Porter’s Five Forces Analysis
6.3.1 Threat of New Entrants
6.3.2 Threat of Substitutes
6.3.3 Bargaining Power of Suppliers
6.3.4 Bargaining Power of Buyers
6.3.5 Intensity of Competitive Rivalry
6.4 Policy & Regulations
6.4.1 Asia (China)
   6.4.1.1 Environmental Protection Law
   6.4.1.2 The Water Resources Law
   6.4.1.3 Water Pollution Prevention & Control Law (WPL)
6.5 Entry Strategies and Route-To-Market Analysis for Asia-Pacific
6.5.1 Market Opportunities and Entry Strategies
6.5.2 Supply Chain Analysis: Channel Strategies and Best Practices in Industry
6.5.3 Zero-Level Distribution
6.5.4 One-Level Distribution

7 The C&F Market, By Type
7.1 Introduction
   7.1.1 Aluminum Sulfate (Alum)
   7.1.2 Ferric Sulfate
   7.1.3 Ferrous Sulfate
   7.1.4 Ferric Chloride
   7.1.5 Others

8 C&F Market, By Application
8.1 Introduction
   8.1.1 Municipal Water Treatment
   8.1.2 Mine Water Treatment
   8.1.3 Power Generation Water Treatment
   8.1.4 Sludge Treatment
   8.1.5 Chemical Process Water Treatment
   8.1.6 Water Treatment in Other Industries

9 The C&F Market, By Country
9.1 Introduction
   9.1.1 China
   9.1.2 Japan
   9.1.3 South Korea
   9.1.4 Indonesia
   9.1.5 Malaysia
   9.1.6 Australia
   9.1.7 Philippines
   9.1.8 Vietnam
   9.1.9 Rest of Asia-Pacific

10 Competitive Landscape
10.1 Overview
10.2 Competitive Situations and Trends
   10.2.1 Acquisition (2011-2015)
   10.2.2 New Product Launch (2011-2015)
   10.2.3 Joint Venture & Agreement (2011-2015)
   10.2.4 Expansion (2011-2015)

11 Company Profiles
   (Overview, Financial*, Products & Services, Strategy, and Developments)
11.1 BASF SE
11.2 Kemira OYJ
11.3 Akferal
11.4 Cytec Industries Inc.
11.5 Huntsman Corporation
11.6 Kurita Water Industries Ltd.
11.7 Ecolab Inc.
11.8 IXOM
11.9 SNF Floerger
11.10 Water Treatment Australia Pty Ltd.

*Details Might Not Be Captured in Case of Unlisted Companies

12 Appendix
12.1 Discussion Guide

List of Tables

Table 1 Distribution Pattern for C&F
Table 2 C&F Market Size, By Type, 2014-2021 (USD Million)
Table 3 C&F Market Size, By Type, 2014-2021 (Kiloton)
Table 4 Aluminum Sulfate Market Size, By Country, 2014-2021 (USD Million)
Table 5 Aluminum Sulfate Market Size, By Country, 2014-2021 (Kiloton)
Table 6 Ferric Sulfate Market Size, By Country, 2014-2021 (Kiloton)
Table 7 Ferrous Sulfate Market Size, By Country, 2014-2021 (USD Million)
Table 8 Ferrous Sulfate Market Size, By Country, 2014-2021 (Kiloton)
Table 9 Ferric Chloride Market Size, By Country, 2014-2021 (USD Million)
Table 10 Ferric Chloride Market Size, By Country, 2014-2021 (Kiloton)
Table 11 Others Market Size, By Country, 2014-2021 (USD Million)
Table 12 Others Market Size, By Country, 2014-2021 (Kiloton)
Table 13 C&F Market Size, By Application, 2014-2021 (USD Million)
Table 14 C&F Market Size, By Application, 2014-2021 (Kiloton)
Table 15 C&F Market Size in Municipal Water Treatment Application, By Country, 2014-2021 (USD Million)
Table 16 C&F Market Size in Municipal Water Treatment Application, By Country, 2014-2021 (Kiloton)
Table 17 C&F Market Size in Mine Water Treatment Application, By Country, 2014-2021 (USD Million)
Table 18 C&F Market Size in Mine Water Treatment Application, By Country, 2014-2021 (Kiloton)
Table 19 C&F Market Size in Power Generation Water Treatment Application, By Country, 2014-2021 (USD Million)
Table 20 C&F Market Size in Power Generation Water Treatment Application, By Country, 2014-2021 (Kiloton)
Table 21 C&F Market Size in Sludge Treatment, By Country, 2014-2021 (USD Million)
Table 22 C&F Market Size in Sludge Treatment Application, By Country, 2014-2021 (Kiloton)
Table 23 C&F Market Size in Chemical Process Water Treatment Application, By Country, 2014-2021 (USD Million)
Table 24 C&F Market Size in Chemical Process Water Treatment Application, By Country, 2014-2021 (Kiloton)
Table 25 C&F Market Size in Other Applications, By Country, 2014-2021 (USD Million)
Table 26 C&F Market Size in Other Applications, By Country, 2014-2021 (Kiloton)
Table 27 C&F Market Size, By Country, 2014-2021 (USD Million)
Table 28 C&F Market Size, By Country, 2014-2021 (Kiloton)
Table 29 China: Economic Outlook (2014)
Table 30 China: C&F Market Size, By Application, 2014-2021 (USD Million)
Table 31 China: C&F Market Size, By Application, 2014-2021 (Kiloton)
Table 32 China: C&F Market Size, By Type, 2014-2021 (USD Million)
Table 33 China: C&F Market Size, By Type, 2014-2021 (Kiloton)
Table 34 Japan: Economic Outlook (2014)
Table 35 Japan: C&F Market Size, By Application, 2014-2021 (USD Million)
Table 36 Japan: C&F Market Size, By Application, 2014-2021 (Kiloton)
Table 37 Japan: C&F Market Size, By Type, 2014-2021 (USD Million)
Table 38 Japan: C&F Market Size, By Type, 2014-2021 (Kiloton)
Table 39 South Korea: Economic Outlook (2014)
Table 40 South Korea: Wtc Market Size, By Application, 2014-2021 (USD Million)
Table 41 South Korea: C&F Market Size, By Application, 2014-2021 (Kiloton)
Table 42 South Korea: C&F Market Size, By Type, 2014-2021 (USD Million)
Table 43 Indonesia: Economic Outlook (2014)
Table 44 Indonesia: C&F Market Size, By Type, 2014-2021 (Kiloton)
Table 45 Malaysia: Economic Outlook (2014)
Table 46 Malaysia: C&F Market Size, By Application, 2014-2021 (USD Million)
Table 47 Malaysia: C&F Market Size, By Application, 2014-2021 (Kiloton)
Table 48 Malaysia: C&F Market Size, By Type, 2014-2021 (Kiloton)
Table 49 Australia: Economic Outlook (2014)
Table 50 Australia & New Zealand: C&F Market Size, By Application, 2014-2021 (USD Million)
Table 51 Australia & New Zealand: C&F Market Size, By Application, 2014-2021 (Kiloton)
Table 52 Australia & New Zealand: C&F Market Size, By Type, 2014-2021 (USD Million)
Table 53 Australia & New Zealand: C&F Market Size, By Type, 2014-2021 (Kiloton)
Table 54 Philippines: Economic Outlook (2014)
Table 55 Philippines: C&F Market Size, By Application, 2014-2021 (Kiloton)
Table 56 Philippines: C&F Market Size, By Type, 2014-2021 (USD Million)
Table 57 Philippines: C&F Market Size, By Type, 2014-2021 (Kiloton)
Table 58 Vietnam: Economic Outlook (2014)
Table 59 Vietnam: C&F Market Size, By Application, 2014-2021 (USD Million)
Table 60 Vietnam: C&F Market Size, By Application, 2014-2021 (Kiloton)
Table 61 Vietnam: C&F Market Size, By Type, 2014-2021 (USD Million)
Table 62 Vietnam: C&F Market Size, By Type, 2014-2021 (Kiloton)
Table 63 Rest of Asia-Pacific: C&F Market Size, By Application, 2014-2021 (USD Million)
Table 64 Rest of Asia-Pacific: C&F Market Size, By Application, 2014-2021 (Kiloton)
Table 65 Rest of Asia-Pacific: Water Treatment Chemicals Market Size, By Type, 2014-2021 (USD Million)
Table 66 Rest of Asia-Pacific: Water Treatment Chemicals Market Size, By Type, 2014-2021 (Kiloton)

List of Figures

Figure 1 C&F Market Segmentation
Figure 2 Asia-Pacific C&F Market: Research Design
Figure 3 Market Size Estimation Methodology: Bottom-Up Approach
Figure 4 Market Size Estimation Methodology: Top-Down Approach
Figure 5 Data Triangulation: C&F Market
Figure 6 Municipal Water Treatment to Be the Fastest-Growing Application of C&F Between 2016 and 2021
Figure 7 Aluminum Sulfate (Alum) to Account for the Highest Market Size Between 2016 and 2021
Figure 8 Rest of APAC Projected to Register the Highest CAGR, By Volume (2016-2021)
Figure 9 Attractive Opportunities in the C&F Market
Figure 10 Municipal Water Treatment to Be the Fastest-Growing End-Use Industry in the C&F Market Between 2016 and 2021
Figure 11 Aluminum Sulfate Accounted for the Largest Share of Asia-Pacific C&F Market, 2015
Figure 12 China Accounted for the Largest Share in the C&F Market
Figure 13 C&F Market, By Type
Figure 14 C&F Market, By Application
Figure 15 High Demand for C&F Due to Growing Water & Waste Water Treatment Industry
Figure 16 Overview of C&F Supply Chain
Figure 17 Porter's Five Forces Analysis
Figure 18 Supply Chain Analysis: One-Level Distribution is the Most Widely Used Channel
Figure 19 Zero-Level Distribution Channel
Figure 20 One-Level Distribution Channel
Figure 21 Ferric Chloride to Be the Fastest-Growing C&F Type, 2016-2021
Figure 22 Vietnam to Register Highest CAGR for Alum Market, 2016-2021
Figure 23 Ferric Sulfate to Register High Growth Rate During the Forecast Period
Figure 24 China to Dominate Ferrous Sulfate Market During the Forecast Period
Figure 25 China to Be the Largest Market for Other C&F Chemicals
Figure 26 Municipal Water Treatment Application to Capture the Largest Market Share (Value)
Figure 27 Municipal Water Treatment to Be the Fastest-Growing Application in the C&F Market Between 2016 and 2021
Figure 28 Growth Strategies Adopted By Leading Companies
Figure 29 Acquisition is the Key Growth Strategy Adopted By Market Players
Figure 30 BASF SE: Company Snapshot
Figure 31 BASF SE: SWOT Analysis
Figure 32 Kemira OYJ: Company Snapshot
Figure 33 Cytec Industries Inc.: Company Snapshot
Figure 34 Huntsman Corporation: Company Snapshot
Figure 35 Huntsman Corporation: SWOT Analysis
Figure 36 Kurita Water Industries Ltd.: Company Snapshot
Figure 37 Ecolab Inc.: Company Snapshot

Order by Fax - using the form below

Order by Post - print the order form below and send to

Research and Markets,
Guinness Centre,
Taylors Lane,
Dublin 8,
Ireland.
Fax Order Form
To place an order via fax simply print this form, fill in the information below and fax the completed form to 646-607-1907 (from USA) or +353-1-481-1716 (from Rest of World). If you have any questions please visit http://www.researchandmarkets.com/contact/

Order Information
Please verify that the product information is correct and select the format(s) you require.

- Product Name: Flocculant and Coagulant Market in APAC by Type (Aluminum Sulfate, Ferric Sulfate, Ferrous Sulfate, Ferric Chloride, and Others), Application (Municipal Water Treatment, Power Generation, Chemical Processing, and Others) - Forecast to 2021
- Web Address: http://www.researchandmarkets.com/reports/3777299/
- Office Code: SCH3YYRK

Product Formats
Please select the product formats and quantity you require:

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electronic (PDF) - Single User:</td>
<td>USD 5650</td>
</tr>
<tr>
<td>Electronic (PDF) - 1 - 5 Users:</td>
<td>USD 6650</td>
</tr>
<tr>
<td>Electronic (PDF) - Site License:</td>
<td>USD 8150</td>
</tr>
<tr>
<td>Electronic (PDF) - Entrepisewide:</td>
<td>USD 10000</td>
</tr>
</tbody>
</table>

Contact Information
Please enter all the information below in BLOCK CAPITALS

- Title: [Mr] [Mrs] [Dr] [Miss] [Ms] [Prof]
- First Name: _______________________________ Last Name: _______________________________
- Email Address: * _______________________________
- Job Title: _______________________________
- Organisation: _______________________________
- Address: _______________________________
- City: _______________________________
- Postal / Zip Code: _______________________________
- Country: _______________________________
- Phone Number: _______________________________
- Fax Number: _______________________________

* Please refrain from using free email accounts when ordering (e.g. Yahoo, Hotmail, AOL)
Payment Information

Please indicate the payment method you would like to use by selecting the appropriate box.

☐ Pay by credit card: You will receive an email with a link to a secure webpage to enter your credit card details.

☐ Pay by check: Please post the check, accompanied by this form, to:
Research and Markets,
Guinness Center,
Taylors Lane,
Dublin 8,
Ireland.

☐ Pay by wire transfer: Please transfer funds to:
Account number 833 130 83
Sort code 98-53-30
Swift code ULSBIE2D
IBAN number IE78ULSB98533083313083
Bank Address Ulster Bank,
27-35 Main Street,
Blackrock,
Co. Dublin,
Ireland.

If you have a Marketing Code please enter it below:

Marketing Code: ______________________

Please note that by ordering from Research and Markets you are agreeing to our Terms and Conditions at http://www.researchandmarkets.com/info/terms.asp

Please fax this form to:
(646) 607-1907 or (646) 964-6609 - From USA
+353-1-481-1716 or +353-1-653-1571 - From Rest of World