

Polyacrylic Acid Market Size and Forecast (2021 -2031), Global and Regional Share, Trend, and Growth Opportunity Analysis Report Coverage: By Form (Powder and Liquid), Application (Dispersing Agent, Anti-Scaling Agent, Thickeners, Emulsifiers, Ion-Exchanger, and Others), and End-Use Industry (Water Treatment, Personal Care & Cosmetics, Detergents & Cleaners, Leather & Textiles, Pulp & Paper, Paints & Coatings, Ceramics, and Others)

https://marketpublishers.com/r/P0508BFA57E3EN.html

Date: April 2024 Pages: 201 Price: US\$ 5,190.00 (Single User License) ID: P0508BFA57E3EN

Abstracts

The polyacrylic acid market size is expected to grow from US\$ 2.43 billion in 2023 to US\$ 3.34 billion by 2031; it is estimated to register a CAGR of 4.1% from 2023 to 2031.

Polyacrylic acid (PAA) is known for its versatility and has a wide range of applications due to its functional properties. Neutralized PAA gels are suitable for creating biocompatible matrices for medical applications such as treatment gels. It is a versatile synthetic polymer with various industrial applications, including water treatment, personal care products, textiles, adhesives, paints and coatings, and pulp and paper, among others. The global polyacrylic acid market is highly competitive due to the presence of local and global players. Players compete with each other based on product differentiation, quality, and price. Market players are adopting different strategies, including new product launches, investments in research and development activities, and capacity expansion, to stand out as strong competitors in the market. According to the news released in November 2020, the Al Hejailan Group partnered with Dow to create a new company that will design, build, and operate a new polyacrylic acid and emulsion polymers plant at Plaschem Park, Saudi Arabia.



Based on the end-use industry, the global polyacrylic acid market is segmented into water treatment, personal care & cosmetics, detergents & cleaners, leather & textiles, pulp & paper, paints & coatings, ceramics, and others. The water treatment segment held the largest share of the global polyacrylic acid market in 2023. The detergents and cleaners industry is also one of the major end-use industries for polyacrylic acid. Polyacrylic acids with cross-linkages have been used in the manufacturing of household products such as floor cleaners. Moreover, polycarboxylates used in washing powders and detergents are acrylic acid homopolymers or acrylic acid copolymers and maleic anhydride.

In 2023, Asia Pacific held the largest revenue share of the global polyacrylic acid market. In China, one significant driver is the country's rapid industrialization and urbanization, leading to increased demand from various industrial applications such as water treatment, paints & coatings, adhesives, and textiles. Stringent regulations imposed by the Chinese Government regarding water quality and environmental protection have further boosted the adoption of polyacrylic acid-based solutions.

Arkema SA, Ashland Inc, BASF SE, Evonik Industries AG, Nippon Shokubai Co Ltd, Sumitomo Seika Chemicals Co Ltd, The Dow Chemical Co, The Lubrizol Corp, Shandong ThFine Chemical Co Ltd, and Glentham Life Sciences Limited are among the key players profiled in the polyacrylic acid market report. The global market players focus on providing high-quality products to fulfill customer demand. They are also adopting various strategies, such as investment in research and development activities, capacity expansion, and others. For instance, in 2023, BASF SE announced the opening of the production complex at its Verbund site in Zhanjiang, China. The complex includes the production facility for butyl acrylate (BA), glacial acrylic acid (GAA), and 2-ethylhexyl acrylate (2-EHA). The company revealed its plan to stream by 2025, and the complex will have an annual production capacity of ?400,000 metric tons of BA and 100,000 metric tons of 2-EHA. In 2023, Nippon Shokubai Co Ltd inaugurated the acrylic acid facility with a production capacity of 100,000 MT/year in Cilegon, Banten, Indonesia. The total investment of the project is reported to be ?US\$ 200 million.

The overall global polyacrylic acid market size has been derived using both primary and secondary sources. To begin the research process, exhaustive secondary research has been conducted using internal and external sources to obtain qualitative and quantitative information related to the market. Also, multiple primary interviews have been conducted with industry participants to validate the data and gain more analytical insights into the topic. The participants of this process include industry experts such as



VPs, business development managers, market intelligence managers, and national sales managers—along with external consultants such as valuation experts, research analysts, and key opinion leaders—specializing in the polyacrylic acid market.



Contents

1. INTRODUCTION

- 1.1 The Insight Partners Research Report Guidance
- 1.2 Market Segmentation

2. EXECUTIVE SUMMARY

- 2.1 Key Insights
- 2.2 Market Attractiveness

3. RESEARCH METHODOLOGY

- 3.1 Coverage
- 3.2 Secondary Research
 - 3.2.1 Hypothesis Formulation:
 - 3.2.2 Macro-Economic Factor Analysis:
 - 3.2.3 Developing Base Number:
 - 3.2.4 Data Triangulation:
 - 3.2.5 Country Level Data:
- 3.3 Primary Research

4. POLYACRYLIC ACID MARKET LANDSCAPE

- 4.1 Overview
- 4.2 Porters Five Forces Analysis
 - 4.2.1 Bargaining Power of Suppliers
 - 4.2.2 Bargaining Power of Buyers
 - 4.2.3 Threat of New Entrants
 - 4.2.4 Intensity of Competitive Rivalry
 - 4.2.5 Threat of Substitutes
- 4.3 Ecosystem Analysis
- 4.3.1 List of Vendors in the Value Chain

5. GLOBAL POLYACRYLIC ACID MARKET – KEY MARKET DYNAMICS

- 5.1 Global Polyacrylic Acid Market Key Market Dynamics
- 5.2 Market Drivers

Polyacrylic Acid Market Size and Forecast (2021 - 2031), Global and Regional Share, Trend, and Growth Opportun..



5.2.1 Rising Focus on Water and Wastewater Treatment Activities

5.2.2 Rising Demand from Paper & Pulp Industry

5.3 Market Restraints

5.3.1 Fluctuation in Prices of Raw Materials

5.4 Market Opportunities

5.4.1 Increasing Demand for Polyacrylic Acid from Detergent and Cleaner Applications 5.5 Future Trends

5.5.1 Development of Bio-Based and Sustainable Products

5.6 Impact of Drivers and Restraints:

6. GLOBAL POLYACRYLIC ACID MARKET – GLOBAL MARKET ANALYSIS

6.1 Global Polyacrylic Acid Market Volume (Kilo Tons), 2023–2031

6.2 Global Polyacrylic Acid Market Volume Forecast and Analysis (Kilo Tons)

6.3 Global Polyacrylic Acid Market Revenue (US\$ Million), 2023–2031

6.4 Global Polyacrylic Acid Market Forecast and Analysis

7. GLOBAL POLYACRYLIC ACID MARKET VOLUME AND REVENUE ANALYSIS – BY FORM

7.1 Powder

7.1.1 Overview

7.1.2 Powder: Polyacrylic Acid Market – Volume and Forecast to 2031 (Kilo Tons)

7.1.3 Powder: Polyacrylic Acid Market – Revenue and Forecast to 2031 (US\$ Million)

7.2 Liquid

7.2.1 Overview

7.2.2 Liquid: Polyacrylic Acid Market – Volume and Forecast to 2031 (Kilo Tons)

7.2.3 Liquid: Polyacrylic Acid Market – Revenue and Forecast to 2031 (US\$ Million)

8. GLOBAL POLYACRYLIC ACID MARKET REVENUE ANALYSIS – BY APPLICATION

8.1 Dispersing Agent

8.1.1 Overview

8.1.2 Dispersing Agent: Polyacrylic Acid Market – Revenue and Forecast to 2031 (US\$ Million)

8.2 Anti-Scaling Agent

8.2.1 Overview

8.2.2 Anti-Scaling Agent: Polyacrylic Acid Market – Revenue and Forecast to 2031



(US\$ Million)

8.3 Thickeners

8.3.1 Overview

8.3.2 Thickeners: Polyacrylic Acid Market – Revenue and Forecast to 2031 (US\$ Million)

8.4 Emulsifiers

8.4.1 Overview

8.4.2 Emulsifiers: Polyacrylic Acid Market – Revenue and Forecast to 2031 (US\$ Million)

8.5 Ion-Exchanger

8.5.1 Overview

8.5.2 Ion-Exchanger: Polyacrylic Acid Market – Revenue and Forecast to 2031 (US\$ Million)

8.6 Others

8.6.1 Overview

8.6.2 Others: Polyacrylic Acid Market - Revenue and Forecast to 2031 (US\$ Million)

9. GLOBAL POLYACRYLIC ACID MARKET REVENUE ANALYSIS – BY END-USE INDUSTRY

9.1 Water Treatment

9.1.1 Overview

9.1.2 Water Treatment: Polyacrylic Acid Market – Revenue and Forecast to 2031 (US\$ Million)

9.2 Personal Care and Cosmetics

9.2.1 Overview

9.2.2 Personal Care and Cosmetics: Polyacrylic Acid Market – Revenue and Forecast to 2031 (US\$ Million)

9.3 Detergents and Cleaners

9.3.1 Overview

9.3.2 Detergents and Cleaners: Polyacrylic Acid Market – Revenue and Forecast to 2031 (US\$ Million)

9.4 Leather and Textiles

9.4.1 Overview

9.4.2 Leather and Textiles: Polyacrylic Acid Market – Revenue and Forecast to 2031

(US\$ Million)

9.5 Pulp and Paper

9.5.1 Overview

9.5.2 Pulp and Paper: Polyacrylic Acid Market - Revenue and Forecast to 2031 (US\$



Million)

9.6 Paints and Coatings

9.6.1 Overview

9.6.2 Paints and Coatings: Polyacrylic Acid Market – Revenue and Forecast to 2031 (US\$ Million)

9.7 Ceramics

9.7.1 Overview

9.7.2 Ceramics: Polyacrylic Acid Market – Revenue and Forecast to 2031 (US\$ Million) 9.8 Others

9.8.1 Overview

9.8.2 Others: Polyacrylic Acid Market – Revenue and Forecast to 2031 (US\$ Million)

10. GLOBAL POLYACRYLIC ACID MARKET – GEOGRAPHICAL ANALYSIS

10.1 Overview

10.2 North America

10.2.1 North America Polyacrylic Acid Market Overview

10.2.2 North America Polyacrylic Acid Market – Revenue and Forecast to 2031 (US\$ Million)

10.2.3 North America Polyacrylic Acid Market Breakdown by Form

10.2.3.1 North America Polyacrylic Acid Market Volume and Forecast and Analysis – by Form

10.2.3.2 North America Polyacrylic Acid Market Revenue and Forecast and Analysis –by Form

10.2.4 North America Polyacrylic Acid Market Breakdown by Application

10.2.4.1 North America Polyacrylic Acid Market Revenue and Forecast and Analysis –by Application

10.2.5 North America Polyacrylic Acid Market Breakdown by End-Use Industry

10.2.5.1 North America Polyacrylic Acid Market Revenue and Forecast and Analysis --by End-Use Industry

10.2.6 North America Polyacrylic Acid Market Revenue and Forecast and Analysis – by Country

10.2.6.1 North America Polyacrylic Acid Market Volume and Forecast and Analysis – by Country

10.2.6.2 North America Polyacrylic Acid Market Revenue and Forecast and Analysis –by Country

10.2.6.3 United States Polyacrylic Acid Market – Revenue and Forecast to 2031 (US\$ Million)

10.2.6.3.1 United States Polyacrylic Acid Market Breakdown by Form



10.2.6.3.2 United States Polyacrylic Acid Market Breakdown by Application

10.2.6.3.3 United States Polyacrylic Acid Market Breakdown by End-Use Industry

10.2.6.4 Canada Polyacrylic Acid Market – Revenue and Forecast to 2031 (US\$ Million)

10.2.6.4.1 Canada Polyacrylic Acid Market Breakdown by Form

10.2.6.4.2 Canada Polyacrylic Acid Market Breakdown by Application

10.2.6.4.3 Canada Polyacrylic Acid Market Breakdown by End-Use Industry

10.2.6.5 Mexico Polyacrylic Acid Market – Revenue and Forecast to 2031 (US\$ Million)

10.2.6.5.1 Mexico Polyacrylic Acid Market Breakdown by Form

10.2.6.5.2 Mexico Polyacrylic Acid Market Breakdown by Application

10.2.6.5.3 Mexico Polyacrylic Acid Market Breakdown by End-Use Industry 10.3 Europe

10.3.1 Europe Polyacrylic Acid Market Overview

10.3.2 Europe Polyacrylic Acid Market – Revenue and Forecast to 2031 (US\$ Million)

10.3.3 Europe Polyacrylic Acid Market Breakdown by Form

10.3.3.1 Europe Polyacrylic Acid Market Volume and Forecast and Analysis – by Form

10.3.3.2 Europe Polyacrylic Acid Market Revenue and Forecast and Analysis –by Form

10.3.4 Europe Polyacrylic Acid Market Breakdown by Application

10.3.4.1 Europe Polyacrylic Acid Market Revenue and Forecast and Analysis –by Application

10.3.5 Europe Polyacrylic Acid Market Breakdown by End-Use Industry

10.3.5.1 Europe Polyacrylic Acid Market Revenue and Forecast and Analysis –by End-Use Industry

10.3.6 Europe Polyacrylic Acid Market Revenue and Forecast and Analysis – by Country

10.3.6.1 Europe Polyacrylic Acid Market Volume and Forecast and Analysis – by Country

10.3.6.2 Europe Polyacrylic Acid Market Revenue and Forecast and Analysis –by Country

10.3.6.3 Germany Polyacrylic Acid Market – Revenue and Forecast to 2031 (US\$ Million)

10.3.6.3.1 Germany Polyacrylic Acid Market Breakdown by Form

10.3.6.3.2 Germany Polyacrylic Acid Market Breakdown by Application

10.3.6.3.3 Germany Polyacrylic Acid Market Breakdown by End-Use Industry

10.3.6.4 France Polyacrylic Acid Market – Revenue and Forecast to 2031 (US\$ Million)



10.3.6.4.1 France Polyacrylic Acid Market Breakdown by Form

10.3.6.4.2 France Polyacrylic Acid Market Breakdown by Application

10.3.6.4.3 France Polyacrylic Acid Market Breakdown by End-Use Industry

10.3.6.5 Italy Polyacrylic Acid Market – Revenue and Forecast to 2031 (US\$ Million)

10.3.6.5.1 Italy Polyacrylic Acid Market Breakdown by Form

10.3.6.5.2 Italy Polyacrylic Acid Market Breakdown by Application

10.3.6.5.3 Italy Polyacrylic Acid Market Breakdown by End-Use Industry

10.3.6.6 United Kingdom Polyacrylic Acid Market – Revenue and Forecast to 2031 (US\$ Million)

10.3.6.6.1 United Kingdom Polyacrylic Acid Market Breakdown by Form

10.3.6.6.2 United Kingdom Polyacrylic Acid Market Breakdown by Application

10.3.6.6.3 United Kingdom Polyacrylic Acid Market Breakdown by End-Use Industry

10.3.6.7 Russia Polyacrylic Acid Market – Revenue and Forecast to 2031 (US\$ Million)

10.3.6.7.1 Russia Polyacrylic Acid Market Breakdown by Form

10.3.6.7.2 Russia Polyacrylic Acid Market Breakdown by Application

10.3.6.7.3 Russia Polyacrylic Acid Market Breakdown by End-Use Industry

10.3.6.8 Rest of Europe Polyacrylic Acid Market – Revenue and Forecast to 2031 (US\$ Million)

10.3.6.8.1 Rest of Europe Polyacrylic Acid Market Breakdown by Form

10.3.6.8.2 Rest of Europe Polyacrylic Acid Market Breakdown by Application

10.3.6.8.3 Rest of Europe Polyacrylic Acid Market Breakdown by End-Use Industry 10.4 Asia Pacific

10.4.1 Asia Pacific Polyacrylic Acid Market Overview

10.4.2 Asia Pacific Polyacrylic Acid Market – Revenue and Forecast to 2031 (US\$ Million)

10.4.3 Asia Pacific Polyacrylic Acid Market Breakdown by Form

10.4.3.1 Asia Pacific Polyacrylic Acid Market Volume and Forecast and Analysis – by Form

10.4.3.2 Asia Pacific Polyacrylic Acid Market Revenue and Forecast and Analysis –by Form

10.4.4 Asia Pacific Polyacrylic Acid Market Breakdown by Application

10.4.4.1 Asia Pacific Polyacrylic Acid Market Revenue and Forecast and Analysis –by Application

10.4.5 Asia Pacific Polyacrylic Acid Market Breakdown by End-Use Industry

10.4.5.1 Asia Pacific Polyacrylic Acid Market Revenue and Forecast and Analysis –by End-Use Industry

10.4.6 Asia Pacific Polyacrylic Acid Market Revenue and Forecast and Analysis – by Country



10.4.6.1 Asia Pacific Polyacrylic Acid Market Volume and Forecast and Analysis – by Country

10.4.6.2 Asia Pacific Polyacrylic Acid Market Revenue and Forecast and Analysis –by Country

10.4.6.3 Australia Polyacrylic Acid Market – Revenue and Forecast to 2031 (US\$ Million)

10.4.6.3.1 Australia Polyacrylic Acid Market Breakdown by Form

10.4.6.3.2 Australia Polyacrylic Acid Market Breakdown by Application

10.4.6.3.3 Australia Polyacrylic Acid Market Breakdown by End-Use Industry

10.4.6.4 China Polyacrylic Acid Market – Revenue and Forecast to 2031 (US\$ Million)

10.4.6.4.1 China Polyacrylic Acid Market Breakdown by Form

10.4.6.4.2 China Polyacrylic Acid Market Breakdown by Application

10.4.6.4.3 China Polyacrylic Acid Market Breakdown by End-Use Industry

10.4.6.5 India Polyacrylic Acid Market – Revenue and Forecast to 2031 (US\$ Million)

10.4.6.5.1 India Polyacrylic Acid Market Breakdown by Form

10.4.6.5.2 India Polyacrylic Acid Market Breakdown by Application

10.4.6.5.3 India Polyacrylic Acid Market Breakdown by End-Use Industry

10.4.6.6 Japan Polyacrylic Acid Market – Revenue and Forecast to 2031 (US\$ Million)

10.4.6.6.1 Japan Polyacrylic Acid Market Breakdown by Form

10.4.6.6.2 Japan Polyacrylic Acid Market Breakdown by Application

10.4.6.6.3 Japan Polyacrylic Acid Market Breakdown by End-Use Industry

10.4.6.7 South Korea Polyacrylic Acid Market – Revenue and Forecast to 2031 (US\$ Million)

10.4.6.7.1 South Korea Polyacrylic Acid Market Breakdown by Form

10.4.6.7.2 South Korea Polyacrylic Acid Market Breakdown by Application

10.4.6.7.3 South Korea Polyacrylic Acid Market Breakdown by End-Use Industry

10.4.6.8 Rest of APAC Polyacrylic Acid Market – Revenue and Forecast to 2031 (US\$ Million)

10.4.6.8.1 Rest of APAC Polyacrylic Acid Market Breakdown by Form

10.4.6.8.2 Rest of APAC Polyacrylic Acid Market Breakdown by Application

10.4.6.8.3 Rest of APAC Polyacrylic Acid Market Breakdown by End-Use Industry 10.5 Middle East and Africa

10.5.1 Middle East and Africa Polyacrylic Acid Market Overview

10.5.2 Middle East and Africa Polyacrylic Acid Market – Revenue and Forecast to 2031 (US\$ Million)

10.5.3 Middle East and Africa Polyacrylic Acid Market Breakdown by Form 10.5.3.1 Middle East and Africa Polyacrylic Acid Market Volume and Forecast and



Analysis – by Form

10.5.3.2 Middle East and Africa Polyacrylic Acid Market Revenue and Forecast and Analysis –by Form

10.5.4 Middle East and Africa Polyacrylic Acid Market Breakdown by Application

10.5.4.1 Middle East and Africa Polyacrylic Acid Market Revenue and Forecast and Analysis –by Application

10.5.5 Middle East and Africa Polyacrylic Acid Market Breakdown by End-Use Industry 10.5.5.1 Middle East and Africa Polyacrylic Acid Market Revenue and Forecast and Analysis –by End-Use Industry

10.5.6 Middle East and Africa Polyacrylic Acid Market Revenue and Forecast and Analysis – by Country

10.5.6.1 Middle East and Africa Polyacrylic Acid Market Volume and Forecast and Analysis – by Country

10.5.6.2 Middle East and Africa Polyacrylic Acid Market Revenue and Forecast and Analysis –by Country

10.5.6.3 South Africa Polyacrylic Acid Market – Revenue and Forecast to 2031 (US\$ Million)

10.5.6.3.1 South Africa Polyacrylic Acid Market Breakdown by Form

10.5.6.3.2 South Africa Polyacrylic Acid Market Breakdown by Application

10.5.6.3.3 South Africa Polyacrylic Acid Market Breakdown by End-Use Industry

10.5.6.4 Saudi Arabia Polyacrylic Acid Market – Revenue and Forecast to 2031 (US\$ Million)

10.5.6.4.1 Saudi Arabia Polyacrylic Acid Market Breakdown by Form

10.5.6.4.2 Saudi Arabia Polyacrylic Acid Market Breakdown by Application

10.5.6.4.3 Saudi Arabia Polyacrylic Acid Market Breakdown by End-Use Industry

10.5.6.5 United Arab Emirates Polyacrylic Acid Market – Revenue and Forecast to 2031 (US\$ Million)

10.5.6.5.1 United Arab Emirates Polyacrylic Acid Market Breakdown by Form

10.5.6.5.2 United Arab Emirates Polyacrylic Acid Market Breakdown by Application

10.5.6.5.3 United Arab Emirates Polyacrylic Acid Market Breakdown by End-Use Industry

10.5.6.6 Rest of Middle East and Africa Polyacrylic Acid Market – Revenue and Forecast to 2031 (US\$ Million)

10.5.6.6.1 Rest of Middle East and Africa Polyacrylic Acid Market Breakdown by Form

10.5.6.6.2 Rest of Middle East and Africa Polyacrylic Acid Market Breakdown by Application

10.5.6.6.3 Rest of Middle East and Africa Polyacrylic Acid Market Breakdown by End-Use Industry



10.6 South and Central America

10.6.1 South and Central America Polyacrylic Acid Market Overview

10.6.2 South and Central America Polyacrylic Acid Market – Revenue and Forecast to 2031 (US\$ Million)

10.6.3 South and Central America Polyacrylic Acid Market Breakdown by Form

10.6.3.1 South and Central America Polyacrylic Acid Market Volume and Forecast and Analysis – by Form

10.6.3.2 South and Central America Polyacrylic Acid Market Revenue and Forecast and Analysis –by Form

10.6.4 South and Central America Polyacrylic Acid Market Breakdown by Application

10.6.4.1 South and Central America Polyacrylic Acid Market Revenue and Forecast and Analysis –by Application

10.6.5 South and Central America Polyacrylic Acid Market Breakdown by End-Use Industry

10.6.5.1 South and Central America Polyacrylic Acid Market Revenue and Forecast and Analysis –by End-Use Industry

10.6.6 South and Central America Polyacrylic Acid Market Revenue and Forecast and Analysis – by Country

10.6.6.1 South and Central America Polyacrylic Acid Market Volume and Forecast and Analysis – by Country

10.6.6.2 South and Central America Polyacrylic Acid Market Revenue and Forecast and Analysis –by Country

10.6.6.3 Brazil Polyacrylic Acid Market – Revenue and Forecast to 2031 (US\$ Million)

10.6.6.3.1 Brazil Polyacrylic Acid Market Breakdown by Form

10.6.6.3.2 Brazil Polyacrylic Acid Market Breakdown by Application

10.6.6.3.3 Brazil Polyacrylic Acid Market Breakdown by End-Use Industry

10.6.6.4 Argentina Polyacrylic Acid Market – Revenue and Forecast to 2031 (US\$ Million)

10.6.6.4.1 Argentina Polyacrylic Acid Market Breakdown by Form

10.6.6.4.2 Argentina Polyacrylic Acid Market Breakdown by Application

10.6.6.4.3 Argentina Polyacrylic Acid Market Breakdown by End-Use Industry

10.6.6.5 Rest of South and Central America Polyacrylic Acid Market – Revenue and Forecast to 2031 (US\$ Million)

10.6.6.5.1 Rest of South and Central America Polyacrylic Acid Market Breakdown by Form

10.6.6.5.2 Rest of South and Central America Polyacrylic Acid Market Breakdown by Application

10.6.6.5.3 Rest of South and Central America Polyacrylic Acid Market Breakdown by End-Use Industry



11. COMPETITIVE LANDSCAPE

11.1 Heat Map Analysis by Key Players

11.2 Company Positioning & Concentration

12. INDUSTRY LANDSCAPE

12.1 Overview

- 12.2 Product Launch
- 12.3 Expansion

13. COMPANY PROFILES

- 13.1 Arkema SA
 - 13.1.1 Key Facts
 - 13.1.2 Business Description
 - 13.1.3 Products and Services
 - 13.1.4 Financial Overview
 - 13.1.5 SWOT Analysis
 - 13.1.6 Key Developments
- 13.2 Ashland Inc
 - 13.2.1 Key Facts
 - 13.2.2 Business Description
 - 13.2.3 Products and Services
 - 13.2.4 Financial Overview
 - 13.2.5 SWOT Analysis
 - 13.2.6 Key Developments
- 13.3 BASF SE
 - 13.3.1 Key Facts
 - 13.3.2 Business Description
 - 13.3.3 Products and Services
 - 13.3.4 Financial Overview
 - 13.3.5 SWOT Analysis
- 13.3.6 Key Developments
- 13.4 Evonik Industries AG
 - 13.4.1 Key Facts
- 13.4.2 Business Description
- 13.4.3 Products and Services



- 13.4.4 Financial Overview
- 13.4.5 SWOT Analysis
- 13.4.6 Key Developments
- 13.5 Nippon Shokubai Co Ltd
 - 13.5.1 Key Facts
 - 13.5.2 Business Description
 - 13.5.3 Products and Services
 - 13.5.4 Financial Overview
 - 13.5.5 SWOT Analysis
 - 13.5.6 Key Developments
- 13.6 Sumitomo Seika Chemicals Co Ltd
 - 13.6.1 Key Facts
 - 13.6.2 Business Description
 - 13.6.3 Products and Services
 - 13.6.4 Financial Overview
 - 13.6.5 SWOT Analysis
 - 13.6.6 Key Developments
- 13.7 The Dow Chemical Co
- 13.7.1 Key Facts
- 13.7.2 Business Description
- 13.7.3 Products and Services
- 13.7.4 Financial Overview
- 13.7.5 SWOT Analysis
- 13.7.6 Key Developments
- 13.8 The Lubrizol Corp
 - 13.8.1 Key Facts
 - 13.8.2 Business Description
 - 13.8.3 Products and Services
 - 13.8.4 Financial Overview
 - 13.8.5 SWOT Analysis
- 13.8.6 Key Developments
- 13.9 Shandong ThFine Chemical Co., Ltd
 - 13.9.1 Key Facts
 - 13.9.2 Business Description
 - 13.9.3 Products and Services
 - 13.9.4 Financial Overview
 - 13.9.5 SWOT Analysis
 - 13.9.6 Key Developments
- 13.10 Glentham Life Sciences Limited



- 13.10.1 Key Facts
- 13.10.2 Business Description
- 13.10.3 Products and Services
- 13.10.4 Financial Overview
- 13.10.5 SWOT Analysis
- 13.10.6 Key Developments

14. APPENDIX

14.1 About The Insight Partners



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