

Global Fluorine-removal Agent Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Fluorine-removal Agent market size is expected to reach \$ 1889 million by 2032, rising at a market growth of 4.0% CAGR during the forecast period (2026-2032).

Fluorine-removal Agents are specialized water treatment chemicals specifically designed to remove excess fluoride ions from aqueous solutions. Through chemical precipitation, adsorption, or ion exchange techniques, they reduce the fluoride content in high-concentration fluoride-containing industrial wastewater or drinking water to meet discharge standards.

The core raw materials of Fluorine-removal Agents are often basic chemical additives such as lime (Ca(OH)₂), calcium chloride, aluminum salts, polyaluminum chloride, and polyacrylamide. These raw materials are supplied by basic chemical manufacturers and raw material suppliers, and some require special modified coagulating/complexing components to improve the removal efficiency of F⁻ ions.

In 2025, global sales are projected to be approximately 4.98 million tons. The market price for liquid defluorinating agents is estimated at around \$110 per ton, while solid defluorinating agents are expected to be around \$340 per ton. The industry's gross profit margin is expected to be in the range of 15% to 30%.

The global Fluorine-removal Agent industry plays a crucial role in environmental remediation and industrial water treatment, especially with the tightening of environmental emission standards and the rapid growth in demand for treating high-fluoride wastewater. This niche market has seen a significant increase in attention. Sources of fluoride include high-concentration fluoride-containing wastewater generated during industrial production processes, as well as the problem of excessive fluoride

levels in groundwater in some regions. Therefore, there is a growing demand from both companies and governments for efficient defluorination chemicals and process solutions.

The driving factors in the fluoride removal industry mainly stem from stringent emission standards, the rigid demand from the energy and chemical industries for the treatment of fluoride-containing wastewater, and the strong demand for advanced fluoride removal from emerging industries (such as photovoltaics, semiconductors, battery manufacturing, and new energy industries).

This report studies the global Fluorine-removal Agent production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Fluorine-removal Agent and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Fluorine-removal Agent that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Fluorine-removal Agent total production and demand, 2021-2032, (Kilotons)

Global Fluorine-removal Agent total production value, 2021-2032, (USD Million)

Global Fluorine-removal Agent production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons), (based on production site)

Global Fluorine-removal Agent consumption by region & country, CAGR, 2021-2032 & (Kilotons)

U.S. VS China: Fluorine-removal Agent domestic production, consumption, key domestic manufacturers and share

Global Fluorine-removal Agent production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Kilotons)

Global Fluorine-removal Agent production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons)

Global Fluorine-removal Agent production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons)

This report profiles key players in the global Fluorine-removal Agent market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Rikang Environmental Protection, Hainan Yijing

Environmental Protection, Hunan Fortune Environmental Technology, Sanfeng Environmental Group, Changlong Technology, Yixing Cleanwater Chemicals, Suzhou Zhanqing Environmental Technology, Henan Hongyuan Environmental Protection Technology, Servyeco, Axens, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Fluorine-removal Agent market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Kilotons) and average price (US\$/Ton) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Fluorine-removal Agent Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Fluorine-removal Agent Market, Segmentation by Type:

Solid

Liquid

Global Fluorine-removal Agent Market, Segmentation by Removal Rate:

Removal Rate?95%

Removal Rate?99%

Other

Global Fluorine-removal Agent Market, Segmentation by Chemical Composition:

Calcium Salts

Aluminum/Iron Salts

Complex Compounds

Other

Global Fluorine-removal Agent Market, Segmentation by Application:

Chemical

Metal Smelting

New Energy

Glass and Ceramics

Drinking Water

Other

Companies Profiled:

Rikang Environmental Protection

Hainan Yijing Environmental Protection

Hunan Fortune Environmental Technology

Sanfeng Environmental Group

Changlong Technology

Yixing Cleanwater Chemicals

Suzhou Zhanqing Environmental Technology

Henan Hongyuan Environmental Protection Technology

Servyeco

Axens

Derypol

Watterson Technology

Key Questions Answered:

1. How big is the global Fluorine-removal Agent market?
2. What is the demand of the global Fluorine-removal Agent market?
3. What is the year over year growth of the global Fluorine-removal Agent market?
4. What is the production and production value of the global Fluorine-removal Agent market?
5. Who are the key producers in the global Fluorine-removal Agent market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 Air Powered Drill Introduction
- 1.2 World Air Powered Drill Supply & Forecast
 - 1.2.1 World Air Powered Drill Production Value (2021 & 2025 & 2032)
 - 1.2.2 World Air Powered Drill Production (2021-2032)
 - 1.2.3 World Air Powered Drill Pricing Trends (2021-2032)
- 1.3 World Air Powered Drill Production by Region (Based on Production Site)
 - 1.3.1 World Air Powered Drill Production Value by Region (2021-2032)
 - 1.3.2 World Air Powered Drill Production by Region (2021-2032)
 - 1.3.3 World Air Powered Drill Average Price by Region (2021-2032)
 - 1.3.4 North America Air Powered Drill Production (2021-2032)
 - 1.3.5 Europe Air Powered Drill Production (2021-2032)
 - 1.3.6 China Air Powered Drill Production (2021-2032)
 - 1.3.7 Japan Air Powered Drill Production (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 Air Powered Drill Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 Air Powered Drill Major Market Trends

2 DEMAND SUMMARY

- 2.1 World Air Powered Drill Demand (2021-2032)
- 2.2 World Air Powered Drill Consumption by Region
 - 2.2.1 World Air Powered Drill Consumption by Region (2021-2026)
 - 2.2.2 World Air Powered Drill Consumption Forecast by Region (2027-2032)
- 2.3 United States Air Powered Drill Consumption (2021-2032)
- 2.4 China Air Powered Drill Consumption (2021-2032)
- 2.5 Europe Air Powered Drill Consumption (2021-2032)
- 2.6 Japan Air Powered Drill Consumption (2021-2032)
- 2.7 South Korea Air Powered Drill Consumption (2021-2032)
- 2.8 ASEAN Air Powered Drill Consumption (2021-2032)
- 2.9 India Air Powered Drill Consumption (2021-2032)

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World Air Powered Drill Production Value by Manufacturer (2021-2026)

- 3.2 World Air Powered Drill Production by Manufacturer (2021-2026)
- 3.3 World Air Powered Drill Average Price by Manufacturer (2021-2026)
- 3.4 Air Powered Drill Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
 - 3.5.1 Global Air Powered Drill Industry Rank of Major Manufacturers
 - 3.5.2 Global Concentration Ratios (CR4) for Air Powered Drill in 2025
 - 3.5.3 Global Concentration Ratios (CR8) for Air Powered Drill in 2025
- 3.6 Air Powered Drill Market: Overall Company Footprint Analysis
 - 3.6.1 Air Powered Drill Market: Region Footprint
 - 3.6.2 Air Powered Drill Market: Company Product Type Footprint
 - 3.6.3 Air Powered Drill Market: Company Product Application Footprint
- 3.7 Competitive Environment
 - 3.7.1 Historical Structure of the Industry
 - 3.7.2 Barriers of Market Entry
 - 3.7.3 Factors of Competition
- 3.8 New Entrant and Capacity Expansion Plans
- 3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

- 4.1 United States VS China: Air Powered Drill Production Value Comparison
 - 4.1.1 United States VS China: Air Powered Drill Production Value Comparison (2021 & 2025 & 2032)
 - 4.1.2 United States VS China: Air Powered Drill Production Value Market Share Comparison (2021 & 2025 & 2032)
- 4.2 United States VS China: Air Powered Drill Production Comparison
 - 4.2.1 United States VS China: Air Powered Drill Production Comparison (2021 & 2025 & 2032)
 - 4.2.2 United States VS China: Air Powered Drill Production Market Share Comparison (2021 & 2025 & 2032)
- 4.3 United States VS China: Air Powered Drill Consumption Comparison
 - 4.3.1 United States VS China: Air Powered Drill Consumption Comparison (2021 & 2025 & 2032)
 - 4.3.2 United States VS China: Air Powered Drill Consumption Market Share Comparison (2021 & 2025 & 2032)
- 4.4 United States Based Air Powered Drill Manufacturers and Market Share, 2021-2026
 - 4.4.1 United States Based Air Powered Drill Manufacturers, Headquarters and Production Site (States, Country)
 - 4.4.2 United States Based Manufacturers Air Powered Drill Production Value

(2021-2026)

4.4.3 United States Based Manufacturers Air Powered Drill Production (2021-2026)

4.5 China Based Air Powered Drill Manufacturers and Market Share

4.5.1 China Based Air Powered Drill Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Air Powered Drill Production Value (2021-2026)

4.5.3 China Based Manufacturers Air Powered Drill Production (2021-2026)

4.6 Rest of World Based Air Powered Drill Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based Air Powered Drill Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Air Powered Drill Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers Air Powered Drill Production (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World Air Powered Drill Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 1/4"

5.2.2 3/8"

5.2.3 1/2"

5.3 Market Segment by Type

5.3.1 World Air Powered Drill Production by Type (2021-2032)

5.3.2 World Air Powered Drill Production Value by Type (2021-2032)

5.3.3 World Air Powered Drill Average Price by Type (2021-2032)

6 MARKET ANALYSIS BY SPEED

6.1 World Air Powered Drill Market Size Overview by Speed: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Speed

6.2.1 500 RPM

6.2.2 800 RPM

6.2.3 1800 RPM

6.2.4 Others

6.3 Market Segment by Speed

6.3.1 World Air Powered Drill Production by Speed (2021-2032)

6.3.2 World Air Powered Drill Production Value by Speed (2021-2032)

6.3.3 World Air Powered Drill Average Price by Speed (2021-2032)

7 MARKET ANALYSIS BY HORSE POWER

7.1 World Air Powered Drill Market Size Overview by Horse Power: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Horse Power

7.2.1 0.3 HP

7.2.2 0.5 HP

7.2.3 0.6 HP

7.3 Market Segment by Horse Power

7.3.1 World Air Powered Drill Production by Horse Power (2021-2032)

7.3.2 World Air Powered Drill Production Value by Horse Power (2021-2032)

7.3.3 World Air Powered Drill Average Price by Horse Power (2021-2032)

8 MARKET ANALYSIS BY APPLICATION

8.1 World Air Powered Drill Market Size Overview by Application: 2021 VS 2025 VS 2032

8.2 Segment Introduction by Application

8.2.1 Automotive Repair

8.2.2 Industrial Assembly

8.2.3 Others

8.3 Market Segment by Application

8.3.1 World Air Powered Drill Production by Application (2021-2032)

8.3.2 World Air Powered Drill Production Value by Application (2021-2032)

8.3.3 World Air Powered Drill Average Price by Application (2021-2032)

9 COMPANY PROFILES

9.1 Jet Tool

9.1.1 Jet Tool Details

9.1.2 Jet Tool Major Business

9.1.3 Jet Tool Air Powered Drill Product and Services

9.1.4 Jet Tool Air Powered Drill Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.1.5 Jet Tool Recent Developments/Updates

9.1.6 Jet Tool Competitive Strengths & Weaknesses

9.2 Sumake

9.2.1 Sumake Details

9.2.2 Sumake Major Business

- 9.2.3 Sumake Air Powered Drill Product and Services
- 9.2.4 Sumake Air Powered Drill Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.2.5 Sumake Recent Developments/Updates
- 9.2.6 Sumake Competitive Strengths & Weaknesses
- 9.3 Hogert Technik
 - 9.3.1 Hogert Technik Details
 - 9.3.2 Hogert Technik Major Business
 - 9.3.3 Hogert Technik Air Powered Drill Product and Services
 - 9.3.4 Hogert Technik Air Powered Drill Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.3.5 Hogert Technik Recent Developments/Updates
 - 9.3.6 Hogert Technik Competitive Strengths & Weaknesses
- 9.4 Ingersoll Rand
 - 9.4.1 Ingersoll Rand Details
 - 9.4.2 Ingersoll Rand Major Business
 - 9.4.3 Ingersoll Rand Air Powered Drill Product and Services
 - 9.4.4 Ingersoll Rand Air Powered Drill Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.4.5 Ingersoll Rand Recent Developments/Updates
 - 9.4.6 Ingersoll Rand Competitive Strengths & Weaknesses
- 9.5 Chief
 - 9.5.1 Chief Details
 - 9.5.2 Chief Major Business
 - 9.5.3 Chief Air Powered Drill Product and Services
 - 9.5.4 Chief Air Powered Drill Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.5.5 Chief Recent Developments/Updates
 - 9.5.6 Chief Competitive Strengths & Weaknesses
- 9.6 DeWALT
 - 9.6.1 DeWALT Details
 - 9.6.2 DeWALT Major Business
 - 9.6.3 DeWALT Air Powered Drill Product and Services
 - 9.6.4 DeWALT Air Powered Drill Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.6.5 DeWALT Recent Developments/Updates
 - 9.6.6 DeWALT Competitive Strengths & Weaknesses
- 9.7 Central Pneumatic
 - 9.7.1 Central Pneumatic Details

- 9.7.2 Central Pneumatic Major Business
- 9.7.3 Central Pneumatic Air Powered Drill Product and Services
- 9.7.4 Central Pneumatic Air Powered Drill Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.7.5 Central Pneumatic Recent Developments/Updates
- 9.7.6 Central Pneumatic Competitive Strengths & Weaknesses
- 9.8 Zion Air
 - 9.8.1 Zion Air Details
 - 9.8.2 Zion Air Major Business
 - 9.8.3 Zion Air Air Powered Drill Product and Services
 - 9.8.4 Zion Air Air Powered Drill Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.8.5 Zion Air Recent Developments/Updates
 - 9.8.6 Zion Air Competitive Strengths & Weaknesses
- 9.9 GISON Machinery
 - 9.9.1 GISON Machinery Details
 - 9.9.2 GISON Machinery Major Business
 - 9.9.3 GISON Machinery Air Powered Drill Product and Services
 - 9.9.4 GISON Machinery Air Powered Drill Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.9.5 GISON Machinery Recent Developments/Updates
 - 9.9.6 GISON Machinery Competitive Strengths & Weaknesses
- 9.10 TOPTUL
 - 9.10.1 TOPTUL Details
 - 9.10.2 TOPTUL Major Business
 - 9.10.3 TOPTUL Air Powered Drill Product and Services
 - 9.10.4 TOPTUL Air Powered Drill Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.10.5 TOPTUL Recent Developments/Updates
 - 9.10.6 TOPTUL Competitive Strengths & Weaknesses
- 9.11 Astro Pneumatic Tool
 - 9.11.1 Astro Pneumatic Tool Details
 - 9.11.2 Astro Pneumatic Tool Major Business
 - 9.11.3 Astro Pneumatic Tool Air Powered Drill Product and Services
 - 9.11.4 Astro Pneumatic Tool Air Powered Drill Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.11.5 Astro Pneumatic Tool Recent Developments/Updates
 - 9.11.6 Astro Pneumatic Tool Competitive Strengths & Weaknesses
- 9.12 Weken Tools

- 9.12.1 Weken Tools Details
- 9.12.2 Weken Tools Major Business
- 9.12.3 Weken Tools Air Powered Drill Product and Services
- 9.12.4 Weken Tools Air Powered Drill Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.12.5 Weken Tools Recent Developments/Updates
- 9.12.6 Weken Tools Competitive Strengths & Weaknesses
- 9.13 Campbell Hausfeld
 - 9.13.1 Campbell Hausfeld Details
 - 9.13.2 Campbell Hausfeld Major Business
 - 9.13.3 Campbell Hausfeld Air Powered Drill Product and Services
 - 9.13.4 Campbell Hausfeld Air Powered Drill Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.13.5 Campbell Hausfeld Recent Developments/Updates
 - 9.13.6 Campbell Hausfeld Competitive Strengths & Weaknesses
- 9.14 Neiko
 - 9.14.1 Neiko Details
 - 9.14.2 Neiko Major Business
 - 9.14.3 Neiko Air Powered Drill Product and Services
 - 9.14.4 Neiko Air Powered Drill Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.14.5 Neiko Recent Developments/Updates
 - 9.14.6 Neiko Competitive Strengths & Weaknesses
- 9.15 Sunex
 - 9.15.1 Sunex Details
 - 9.15.2 Sunex Major Business
 - 9.15.3 Sunex Air Powered Drill Product and Services
 - 9.15.4 Sunex Air Powered Drill Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.15.5 Sunex Recent Developments/Updates
 - 9.15.6 Sunex Competitive Strengths & Weaknesses
- 9.16 AirCat
 - 9.16.1 AirCat Details
 - 9.16.2 AirCat Major Business
 - 9.16.3 AirCat Air Powered Drill Product and Services
 - 9.16.4 AirCat Air Powered Drill Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.16.5 AirCat Recent Developments/Updates
 - 9.16.6 AirCat Competitive Strengths & Weaknesses

9.17 Chicago Pneumatic

9.17.1 Chicago Pneumatic Details

9.17.2 Chicago Pneumatic Major Business

9.17.3 Chicago Pneumatic Air Powered Drill Product and Services

9.17.4 Chicago Pneumatic Air Powered Drill Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.17.5 Chicago Pneumatic Recent Developments/Updates

9.17.6 Chicago Pneumatic Competitive Strengths & Weaknesses

10 INDUSTRY CHAIN ANALYSIS

10.1 Air Powered Drill Industry Chain

10.2 Air Powered Drill Upstream Analysis

10.2.1 Air Powered Drill Core Raw Materials

10.2.2 Main Manufacturers of Air Powered Drill Core Raw Materials

10.3 Midstream Analysis

10.4 Downstream Analysis

10.5 Air Powered Drill Production Mode

10.6 Air Powered Drill Procurement Model

10.7 Air Powered Drill Industry Sales Model and Sales Channels

10.7.1 Air Powered Drill Sales Model

10.7.2 Air Powered Drill Typical Distributors

11 RESEARCH FINDINGS AND CONCLUSION

12 APPENDIX

12.1 Methodology

12.2 Research Process and Data Source

12.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World Fluorine-removal Agent Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World Fluorine-removal Agent Production Value by Region (2021-2026) & (USD Million)

Table 3. World Fluorine-removal Agent Production Value by Region (2027-2032) & (USD Million)

Table 4. World Fluorine-removal Agent Production Value Market Share by Region (2021-2026)

Table 5. World Fluorine-removal Agent Production Value Market Share by Region (2027-2032)

Table 6. World Fluorine-removal Agent Production by Region (2021-2026) & (Kilotons)

Table 7. World Fluorine-removal Agent Production by Region (2027-2032) & (Kilotons)

Table 8. World Fluorine-removal Agent Production Market Share by Region (2021-2026)

Table 9. World Fluorine-removal Agent Production Market Share by Region (2027-2032)

Table 10. World Fluorine-removal Agent Average Price by Region (2021-2026) & (US\$/Ton)

Table 11. World Fluorine-removal Agent Average Price by Region (2027-2032) & (US\$/Ton)

Table 12. Fluorine-removal Agent Major Market Trends

Table 13. World Fluorine-removal Agent Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (Kilotons)

Table 14. World Fluorine-removal Agent Consumption by Region (2021-2026) & (Kilotons)

Table 15. World Fluorine-removal Agent Consumption Forecast by Region (2027-2032) & (Kilotons)

Table 16. World Fluorine-removal Agent Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key Fluorine-removal Agent Producers in 2025

Table 18. World Fluorine-removal Agent Production by Manufacturer (2021-2026) & (Kilotons)

Table 19. Production Market Share of Key Fluorine-removal Agent Producers in 2025

Table 20. World Fluorine-removal Agent Average Price by Manufacturer (2021-2026) &

(US\$/Ton)

Table 21. Global Fluorine-removal Agent Company Evaluation Quadrant

Table 22. World Fluorine-removal Agent Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and Fluorine-removal Agent Production Site of Key Manufacturer

Table 24. Fluorine-removal Agent Market: Company Product Type Footprint

Table 25. Fluorine-removal Agent Market: Company Product Application Footprint

Table 26. Fluorine-removal Agent Competitive Factors

Table 27. Fluorine-removal Agent New Entrant and Capacity Expansion Plans

Table 28. Fluorine-removal Agent Mergers & Acquisitions Activity

Table 29. United States VS China Fluorine-removal Agent Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China Fluorine-removal Agent Production Comparison, (2021 & 2025 & 2032) & (Kilotons)

Table 31. United States VS China Fluorine-removal Agent Consumption Comparison, (2021 & 2025 & 2032) & (Kilotons)

Table 32. United States Based Fluorine-removal Agent Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Fluorine-removal Agent Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers Fluorine-removal Agent Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers Fluorine-removal Agent Production (2021-2026) & (Kilotons)

Table 36. United States Based Manufacturers Fluorine-removal Agent Production Market Share (2021-2026)

Table 37. China Based Fluorine-removal Agent Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Fluorine-removal Agent Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers Fluorine-removal Agent Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers Fluorine-removal Agent Production, (2021-2026) & (Kilotons)

Table 41. China Based Manufacturers Fluorine-removal Agent Production Market Share (2021-2026)

Table 42. Rest of World Based Fluorine-removal Agent Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers Fluorine-removal Agent Production

Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers Fluorine-removal Agent Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers Fluorine-removal Agent Production, (2021-2026) & (Kilotons)

Table 46. Rest of World Based Manufacturers Fluorine-removal Agent Production Market Share (2021-2026)

Table 47. World Fluorine-removal Agent Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World Fluorine-removal Agent Production by Type (2021-2026) & (Kilotons)

Table 49. World Fluorine-removal Agent Production by Type (2027-2032) & (Kilotons)

Table 50. World Fluorine-removal Agent Production Value by Type (2021-2026) & (USD Million)

Table 51. World Fluorine-removal Agent Production Value by Type (2027-2032) & (USD Million)

Table 52. World Fluorine-removal Agent Average Price by Type (2021-2026) & (US\$/Ton)

Table 53. World Fluorine-removal Agent Average Price by Type (2027-2032) & (US\$/Ton)

Table 54. World Fluorine-removal Agent Production Value by Removal Rate, (USD Million), 2021 & 2025 & 2032

Table 55. World Fluorine-removal Agent Production by Removal Rate (2021-2026) & (Kilotons)

Table 56. World Fluorine-removal Agent Production by Removal Rate (2027-2032) & (Kilotons)

Table 57. World Fluorine-removal Agent Production Value by Removal Rate (2021-2026) & (USD Million)

Table 58. World Fluorine-removal Agent Production Value by Removal Rate (2027-2032) & (USD Million)

Table 59. World Fluorine-removal Agent Average Price by Removal Rate (2021-2026) & (US\$/Ton)

Table 60. World Fluorine-removal Agent Average Price by Removal Rate (2027-2032) & (US\$/Ton)

Table 61. World Fluorine-removal Agent Production Value by Chemical Composition, (USD Million), 2021 & 2025 & 2032

Table 62. World Fluorine-removal Agent Production by Chemical Composition (2021-2026) & (Kilotons)

Table 63. World Fluorine-removal Agent Production by Chemical Composition (2027-2032) & (Kilotons)

Table 64. World Fluorine-removal Agent Production Value by Chemical Composition (2021-2026) & (USD Million)

Table 65. World Fluorine-removal Agent Production Value by Chemical Composition (2027-2032) & (USD Million)

Table 66. World Fluorine-removal Agent Average Price by Chemical Composition (2021-2026) & (US\$/Ton)

Table 67. World Fluorine-removal Agent Average Price by Chemical Composition (2027-2032) & (US\$/Ton)

Table 68. World Fluorine-removal Agent Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 69. World Fluorine-removal Agent Production by Application (2021-2026) & (Kilotons)

Table 70. World Fluorine-removal Agent Production by Application (2027-2032) & (Kilotons)

Table 71. World Fluorine-removal Agent Production Value by Application (2021-2026) & (USD Million)

Table 72. World Fluorine-removal Agent Production Value by Application (2027-2032) & (USD Million)

Table 73. World Fluorine-removal Agent Average Price by Application (2021-2026) & (US\$/Ton)

Table 74. World Fluorine-removal Agent Average Price by Application (2027-2032) & (US\$/Ton)

Table 75. Rikang Environmental Protection Basic Information, Manufacturing Base and Competitors

Table 76. Rikang Environmental Protection Major Business

Table 77. Rikang Environmental Protection Fluorine-removal Agent Product and Services

Table 78. Rikang Environmental Protection Fluorine-removal Agent Production (Kilotons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 79. Rikang Environmental Protection Recent Developments/Updates

Table 80. Rikang Environmental Protection Competitive Strengths & Weaknesses

Table 81. Hainan Yijing Environmental Protection Basic Information, Manufacturing Base and Competitors

Table 82. Hainan Yijing Environmental Protection Major Business

Table 83. Hainan Yijing Environmental Protection Fluorine-removal Agent Product and Services

Table 84. Hainan Yijing Environmental Protection Fluorine-removal Agent Production (Kilotons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market

Share (2021-2026)

Table 85. Hainan Yijing Environmental Protection Recent Developments/Updates

Table 86. Hainan Yijing Environmental Protection Competitive Strengths & Weaknesses

Table 87. Hunan Fortune Environmental Technology Basic Information, Manufacturing Base and Competitors

Table 88. Hunan Fortune Environmental Technology Major Business

Table 89. Hunan Fortune Environmental Technology Fluorine-removal Agent Product and Services

Table 90. Hunan Fortune Environmental Technology Fluorine-removal Agent Production (Kilotons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 91. Hunan Fortune Environmental Technology Recent Developments/Updates

Table 92. Hunan Fortune Environmental Technology Competitive Strengths & Weaknesses

Table 93. Sanfeng Environmental Group Basic Information, Manufacturing Base and Competitors

Table 94. Sanfeng Environmental Group Major Business

Table 95. Sanfeng Environmental Group Fluorine-removal Agent Product and Services

Table 96. Sanfeng Environmental Group Fluorine-removal Agent Production (Kilotons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 97. Sanfeng Environmental Group Recent Developments/Updates

Table 98. Sanfeng Environmental Group Competitive Strengths & Weaknesses

Table 99. Changlong Technology Basic Information, Manufacturing Base and Competitors

Table 100. Changlong Technology Major Business

Table 101. Changlong Technology Fluorine-removal Agent Product and Services

Table 102. Changlong Technology Fluorine-removal Agent Production (Kilotons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 103. Changlong Technology Recent Developments/Updates

Table 104. Changlong Technology Competitive Strengths & Weaknesses

Table 105. Yixing Cleanwater Chemicals Basic Information, Manufacturing Base and Competitors

Table 106. Yixing Cleanwater Chemicals Major Business

Table 107. Yixing Cleanwater Chemicals Fluorine-removal Agent Product and Services

Table 108. Yixing Cleanwater Chemicals Fluorine-removal Agent Production (Kilotons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

- Table 109. Yixing Cleanwater Chemicals Recent Developments/Updates
- Table 110. Yixing Cleanwater Chemicals Competitive Strengths & Weaknesses
- Table 111. Suzhou Zhanqing Environmental Technology Basic Information, Manufacturing Base and Competitors
- Table 112. Suzhou Zhanqing Environmental Technology Major Business
- Table 113. Suzhou Zhanqing Environmental Technology Fluorine-removal Agent Product and Services
- Table 114. Suzhou Zhanqing Environmental Technology Fluorine-removal Agent Production (Kilotons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 115. Suzhou Zhanqing Environmental Technology Recent Developments/Updates
- Table 116. Suzhou Zhanqing Environmental Technology Competitive Strengths & Weaknesses
- Table 117. Henan Hongyuan Environmental Protection Technology Basic Information, Manufacturing Base and Competitors
- Table 118. Henan Hongyuan Environmental Protection Technology Major Business
- Table 119. Henan Hongyuan Environmental Protection Technology Fluorine-removal Agent Product and Services
- Table 120. Henan Hongyuan Environmental Protection Technology Fluorine-removal Agent Production (Kilotons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 121. Henan Hongyuan Environmental Protection Technology Recent Developments/Updates
- Table 122. Henan Hongyuan Environmental Protection Technology Competitive Strengths & Weaknesses
- Table 123. Servyeco Basic Information, Manufacturing Base and Competitors
- Table 124. Servyeco Major Business
- Table 125. Servyeco Fluorine-removal Agent Product and Services
- Table 126. Servyeco Fluorine-removal Agent Production (Kilotons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 127. Servyeco Recent Developments/Updates
- Table 128. Servyeco Competitive Strengths & Weaknesses
- Table 129. Axens Basic Information, Manufacturing Base and Competitors
- Table 130. Axens Major Business
- Table 131. Axens Fluorine-removal Agent Product and Services
- Table 132. Axens Fluorine-removal Agent Production (Kilotons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 133. Axens Recent Developments/Updates

- Table 134. Axens Competitive Strengths & Weaknesses
- Table 135. Derypol Basic Information, Manufacturing Base and Competitors
- Table 136. Derypol Major Business
- Table 137. Derypol Fluorine-removal Agent Product and Services
- Table 138. Derypol Fluorine-removal Agent Production (Kilotons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 139. Derypol Recent Developments/Updates
- Table 140. Derypol Competitive Strengths & Weaknesses
- Table 141. Watterson Technology Basic Information, Manufacturing Base and Competitors
- Table 142. Watterson Technology Major Business
- Table 143. Watterson Technology Fluorine-removal Agent Product and Services
- Table 144. Watterson Technology Fluorine-removal Agent Production (Kilotons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 145. Watterson Technology Recent Developments/Updates
- Table 146. Watterson Technology Competitive Strengths & Weaknesses
- Table 147. Global Key Players of Fluorine-removal Agent Upstream (Raw Materials)
- Table 148. Global Fluorine-removal Agent Typical Customers
- Table 149. Fluorine-removal Agent Typical Distributors

List Of Figures

LIST OF FIGURES

Figure 1. Fluorine-removal Agent Picture

Figure 2. World Fluorine-removal Agent Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World Fluorine-removal Agent Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World Fluorine-removal Agent Production (2021-2032) & (Kilotons)

Figure 5. World Fluorine-removal Agent Average Price (2021-2032) & (US\$/Ton)

Figure 6. World Fluorine-removal Agent Production Value Market Share by Region (2021-2032)

Figure 7. World Fluorine-removal Agent Production Market Share by Region (2021-2032)

Figure 8. North America Fluorine-removal Agent Production (2021-2032) & (Kilotons)

Figure 9. Europe Fluorine-removal Agent Production (2021-2032) & (Kilotons)

Figure 10. China Fluorine-removal Agent Production (2021-2032) & (Kilotons)

Figure 11. Japan Fluorine-removal Agent Production (2021-2032) & (Kilotons)

Figure 12. Fluorine-removal Agent Market Drivers

Figure 13. Factors Affecting Demand

Figure 14. World Fluorine-removal Agent Consumption (2021-2032) & (Kilotons)

Figure 15. World Fluorine-removal Agent Consumption Market Share by Region (2021-2032)

Figure 16. United States Fluorine-removal Agent Consumption (2021-2032) & (Kilotons)

Figure 17. China Fluorine-removal Agent Consumption (2021-2032) & (Kilotons)

Figure 18. Europe Fluorine-removal Agent Consumption (2021-2032) & (Kilotons)

Figure 19. Japan Fluorine-removal Agent Consumption (2021-2032) & (Kilotons)

Figure 20. South Korea Fluorine-removal Agent Consumption (2021-2032) & (Kilotons)

Figure 21. ASEAN Fluorine-removal Agent Consumption (2021-2032) & (Kilotons)

Figure 22. India Fluorine-removal Agent Consumption (2021-2032) & (Kilotons)

Figure 23. Producer Shipments of Fluorine-removal Agent by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 24. Global Four-firm Concentration Ratios (CR4) for Fluorine-removal Agent Markets in 2025

Figure 25. Global Four-firm Concentration Ratios (CR8) for Fluorine-removal Agent Markets in 2025

Figure 26. United States VS China: Fluorine-removal Agent Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 27. United States VS China: Fluorine-removal Agent Production Market Share Comparison (2021 & 2025 & 2032)

Figure 28. United States VS China: Fluorine-removal Agent Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 29. United States Based Manufacturers Fluorine-removal Agent Production Market Share 2025

Figure 30. China Based Manufacturers Fluorine-removal Agent Production Market Share 2025

Figure 31. Rest of World Based Manufacturers Fluorine-removal Agent Production Market Share 2025

Figure 32. World Fluorine-removal Agent Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 33. World Fluorine-removal Agent Production Value Market Share by Type in 2025

Figure 34. Solid

Figure 35. Liquid

Figure 36. World Fluorine-removal Agent Production Market Share by Type (2021-2032)

Figure 37. World Fluorine-removal Agent Production Value Market Share by Type (2021-2032)

Figure 38. World Fluorine-removal Agent Average Price by Type (2021-2032) & (US\$/Ton)

Figure 39. World Fluorine-removal Agent Production Value by Removal Rate, (USD Million), 2021 & 2025 & 2032

Figure 40. World Fluorine-removal Agent Production Value Market Share by Removal Rate in 2025

Figure 41. Removal Rate?95%

Figure 42. Removal Rate?99%

Figure 43. Other

Figure 44. World Fluorine-removal Agent Production Market Share by Removal Rate (2021-2032)

Figure 45. World Fluorine-removal Agent Production Value Market Share by Removal Rate (2021-2032)

Figure 46. World Fluorine-removal Agent Average Price by Removal Rate (2021-2032) & (US\$/Ton)

Figure 47. World Fluorine-removal Agent Production Value by Chemical Composition, (USD Million), 2021 & 2025 & 2032

Figure 48. World Fluorine-removal Agent Production Value Market Share by Chemical Composition in 2025

Figure 49. Calcium Salts

Figure 50. Aluminum/Iron Salts

Figure 51. Complex Compounds

Figure 52. Other

Figure 53. World Fluorine-removal Agent Production Market Share by Chemical Composition (2021-2032)

Figure 54. World Fluorine-removal Agent Production Value Market Share by Chemical Composition (2021-2032)

Figure 55. World Fluorine-removal Agent Average Price by Chemical Composition (2021-2032) & (US\$/Ton)

Figure 56. World Fluorine-removal Agent Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 57. World Fluorine-removal Agent Production Value Market Share by Application in 2025

Figure 58. Chemical

Figure 59. Metal Smelting

Figure 60. New Energy

Figure 61. Glass and Ceramics

Figure 62. Drinking Water

Figure 63. Other

Figure 64. World Fluorine-removal Agent Production Market Share by Application (2021-2032)

Figure 65. World Fluorine-removal Agent Production Value Market Share by Application (2021-2032)

Figure 66. World Fluorine-removal Agent Average Price by Application (2021-2032) & (US\$/Ton)

Figure 67. Fluorine-removal Agent Industry Chain

Figure 68. Fluorine-removal Agent Procurement Model

Figure 69. Fluorine-removal Agent Sales Model

Figure 70. Fluorine-removal Agent Sales Channels, Direct Sales, and Distribution

Figure 71. Methodology

Figure 72. Research Process and Data Source

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