

Global Parts Per Billion (PPB) Chemicals Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/GBBCF40D272CEN.html>

Date: July 2026

Pages: 189

Price: US\$ 4,480.00 (Single User License)

ID: GBBCF40D272CEN

Abstracts

The global Parts Per Billion (PPB) Chemicals market size is expected to reach \$ 9279 million by 2032, rising at a market growth of 7.0% CAGR during the forecast period (2026-2032).

PPB chemicals refer to high-purity chemical materials whose target concentrations, metal ions, particles, moisture, oxygen content, or other critical impurities are controlled at the parts-per-billion level or even lower throughout production, formulation, purification, filling, and testing. Their core value lies in reducing the impact of trace contamination on advanced manufacturing and precision analysis, especially in semiconductor wafer cleaning, wet etching, photolithography development, thin-film deposition, dry etching, doping, display panel manufacturing, photovoltaic cell manufacturing, and laboratory trace-analysis calibration. These products include wet electronic chemicals such as hydrofluoric acid, sulfuric acid, ammonium hydroxide, hydrogen peroxide, developers, etchants, strippers, and cleaning solutions; electronic specialty gases such as ammonia, nitrous oxide, phosphine mixtures, and fluorine-based etching gases; as well as ppb-level standard solutions, ion chromatography standards, and high-purity precious metal compounds. Competition in this industry depends not only on the chemical products themselves, but also on ultra-clean purification, trace-level testing, clean packaging, batch stability, hazardous-material logistics, on-site chemical and gas supply, and customer process qualification. As demand grows from advanced nodes, advanced packaging, OLED, power devices, and high-precision testing, PPB chemicals are evolving from ordinary chemical products into critical materials for yield control and precision quality systems in electronics manufacturing.

The industrial value of PPB chemicals is shifting from purer chemicals to an

integrated contamination-control system for advanced manufacturing. In semiconductors, displays, photovoltaics, and precision testing, trace metal ions, particles, moisture, oxygen, and organic residues can affect film quality, etching uniformity, lithographic patterns, device leakage, yield, and reliability. Suppliers therefore need to combine product purity, batch stability, clean packaging, hazardous-material logistics, and on-site supply capabilities. Wet electronic chemicals emphasize ultra-clean purification and impurity control for acids, bases, solvents, developers, etchants, and cleaning solutions. Electronic specialty gases emphasize gas purification, cylinder management, mixture-ratio control, and pipeline supply. Standard solutions emphasize ppb-level concentration accuracy and analytical traceability. As advanced nodes and advanced packaging continue to progress, customer evaluation will increasingly resemble process qualification and yield validation rather than simple procurement of commodity chemicals, while industry barriers will shift from basic chemical synthesis toward ultra-clean preparation, trace-level analysis, and end-to-end quality systems.

The global supply structure of PPB chemicals shows strong regional clustering. Japan has long-standing capabilities in high-purity fluorochemicals, lithography-related chemicals, and wet-process materials. Korean suppliers have developed supporting capabilities across cleaning, etching, CMP, and specialty gases by serving local memory, display, and wafer-fabrication customers. Mainland China and Taiwan are accelerating the build-out of ultra-clean high-purity reagents, electronic wet chemicals, electronic specialty gases, and developers around local wafer fabs, panel makers, and photovoltaic supply chains. European and U.S. suppliers still play an important role in electronic-grade acids and bases, solvents, specialty gases, on-site gas supply, and global quality systems, while also strengthening local electronic-chemical capacity to improve supply-chain resilience. Because PPB chemicals usually require long customer qualification cycles, supplier relationships are sticky. Companies that consistently meet specifications, delivery requirements, and safety-compliance standards are more likely to secure long-term supply positions with advanced manufacturing customers.

Future growth will mainly come from advanced semiconductors, AI computing chips, high-end memory, advanced packaging, OLED displays, power devices, high-efficiency photovoltaics, and precision testing. The more advanced the manufacturing node, the higher the quality requirements for cleaning, etching, deposition, development, and testing materials per wafer or per device, and the more important ppb-level or even ppt-level impurity control becomes. At the same time, geopolitical supply-chain security and localization policies will encourage major manufacturing regions to add local capacity for critical electronic chemicals and specialty gases, driving suppliers to build purification,

filling, warehousing, and on-site service networks near customers. The industry outlook is generally positive, but competition will not be driven only by price. It will increasingly depend on qualification speed, specification stability, hazardous-material compliance, customer process collaboration, capacity continuity, and multi-region supply assurance. Companies that can cover high-purity liquids, electronic specialty gases, standards, or critical precursors while providing reliable quality data and joint customer development capabilities will be better positioned to gain share in the high-end market.

This report studies the global Parts Per Billion (PPB) Chemicals production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Parts Per Billion (PPB) Chemicals 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 Parts Per Billion (PPB) Chemicals that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Parts Per Billion (PPB) Chemicals total production and demand, 2021-2032, (Tons)

Global Parts Per Billion (PPB) Chemicals total production value, 2021-2032, (USD Million)

Global Parts Per Billion (PPB) Chemicals production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)

Global Parts Per Billion (PPB) Chemicals consumption by region & country, CAGR, 2021-2032 & (Tons)

U.S. VS China: Parts Per Billion (PPB) Chemicals domestic production, consumption, key domestic manufacturers and share

Global Parts Per Billion (PPB) Chemicals production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)

Global Parts Per Billion (PPB) Chemicals production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

Global Parts Per Billion (PPB) Chemicals production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global Parts Per Billion (PPB) Chemicals 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 FUJIFILM Electronic Materials,

BASF, Solstice Advanced Materials, Merck KGaA, Linde, Air Liquide, Air Products, Kanto Chemical, KANTO-PPC, Tokyo Ohka Kogyo, 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 Parts Per Billion (PPB) Chemicals market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Tons) 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 Parts Per Billion (PPB) Chemicals Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Parts Per Billion (PPB) Chemicals Market, Segmentation by Type:

Liquid Wet Chemicals

Gas Chemicals

Global Parts Per Billion (PPB) Chemicals Market, Segmentation by Chemical Family:

Inorganic Acids

Inorganic Bases

Organic Solvents

Fluorine-Based Chemicals

Global Parts Per Billion (PPB) Chemicals Market, Segmentation by Process Step:

Cleaning

Wet Etching

Deposition and Doping

Development and Stripping

Analytical Calibration

Global Parts Per Billion (PPB) Chemicals Market, Segmentation by Application:

Integrated Circuit Manufacturing

Flat Panel Display Manufacturing

Photovoltaic and LED Manufacturing

Laboratory Analysis and Testing

High-Purity Materials Synthesis

Other Electronics Manufacturing

Companies Profiled:

FUJIFILM Electronic Materials

BASF

Solstice Advanced Materials

Merck KGaA

Linde

Air Liquide

Air Products

Kanto Chemical

KANTO-PPC

Tokyo Ohka Kogyo

Stella Chemifa

Morita Chemical Industries

Daikin Industries

Kanto Denka Kogyo

Mitsubishi Gas Chemical

Reagecon

Heraeus

Avantor

SACHEM

Jiangyin Jianghua Microelectronics Materials

GrandiT

Greenda Electronic Materials

Soulbrain

ENF Technology

Dongjin Semichem

Wonik Materials

Key Questions Answered:

1. How big is the global Parts Per Billion (PPB) Chemicals market?
2. What is the demand of the global Parts Per Billion (PPB) Chemicals market?
3. What is the year over year growth of the global Parts Per Billion (PPB) Chemicals market?
4. What is the production and production value of the global Parts Per Billion (PPB) Chemicals market?
5. Who are the key producers in the global Parts Per Billion (PPB) Chemicals market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

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

2 DEMAND SUMMARY

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

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World Parts Per Billion (PPB) Chemicals Production Value by Manufacturer (2021-2026)
- 3.2 World Parts Per Billion (PPB) Chemicals Production by Manufacturer (2021-2026)
- 3.3 World Parts Per Billion (PPB) Chemicals Average Price by Manufacturer (2021-2026)
- 3.4 Parts Per Billion (PPB) Chemicals Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
 - 3.5.1 Global Parts Per Billion (PPB) Chemicals Industry Rank of Major Manufacturers
 - 3.5.2 Global Concentration Ratios (CR4) for Parts Per Billion (PPB) Chemicals in 2025
 - 3.5.3 Global Concentration Ratios (CR8) for Parts Per Billion (PPB) Chemicals in 2025
- 3.6 Parts Per Billion (PPB) Chemicals Market: Overall Company Footprint Analysis
 - 3.6.1 Parts Per Billion (PPB) Chemicals Market: Region Footprint
 - 3.6.2 Parts Per Billion (PPB) Chemicals Market: Company Product Type Footprint
 - 3.6.3 Parts Per Billion (PPB) Chemicals 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: Parts Per Billion (PPB) Chemicals Production Value Comparison
 - 4.1.1 United States VS China: Parts Per Billion (PPB) Chemicals Production Value Comparison (2021 & 2025 & 2032)
 - 4.1.2 United States VS China: Parts Per Billion (PPB) Chemicals Production Value Market Share Comparison (2021 & 2025 & 2032)
- 4.2 United States VS China: Parts Per Billion (PPB) Chemicals Production Comparison
 - 4.2.1 United States VS China: Parts Per Billion (PPB) Chemicals Production Comparison (2021 & 2025 & 2032)
 - 4.2.2 United States VS China: Parts Per Billion (PPB) Chemicals Production Market Share Comparison (2021 & 2025 & 2032)
- 4.3 United States VS China: Parts Per Billion (PPB) Chemicals Consumption

Comparison

4.3.1 United States VS China: Parts Per Billion (PPB) Chemicals Consumption

Comparison (2021 & 2025 & 2032)

4.3.2 United States VS China: Parts Per Billion (PPB) Chemicals Consumption Market Share Comparison (2021 & 2025 & 2032)

4.4 United States Based Parts Per Billion (PPB) Chemicals Manufacturers and Market Share, 2021-2026

4.4.1 United States Based Parts Per Billion (PPB) Chemicals Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Parts Per Billion (PPB) Chemicals Production Value (2021-2026)

4.4.3 United States Based Manufacturers Parts Per Billion (PPB) Chemicals Production (2021-2026)

4.5 China Based Parts Per Billion (PPB) Chemicals Manufacturers and Market Share

4.5.1 China Based Parts Per Billion (PPB) Chemicals Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Parts Per Billion (PPB) Chemicals Production Value (2021-2026)

4.5.3 China Based Manufacturers Parts Per Billion (PPB) Chemicals Production (2021-2026)

4.6 Rest of World Based Parts Per Billion (PPB) Chemicals Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based Parts Per Billion (PPB) Chemicals Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Parts Per Billion (PPB) Chemicals Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers Parts Per Billion (PPB) Chemicals Production (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World Parts Per Billion (PPB) Chemicals Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Liquid Wet Chemicals

5.2.2 Gas Chemicals

5.3 Market Segment by Type

5.3.1 World Parts Per Billion (PPB) Chemicals Production by Type (2021-2032)

5.3.2 World Parts Per Billion (PPB) Chemicals Production Value by Type (2021-2032)

5.3.3 World Parts Per Billion (PPB) Chemicals Average Price by Type (2021-2032)

6 MARKET ANALYSIS BY CHEMICAL FAMILY

6.1 World Parts Per Billion (PPB) Chemicals Market Size Overview by Chemical Family: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Chemical Family

6.2.1 Inorganic Acids

6.2.2 Inorganic Bases

6.2.3 Organic Solvents

6.2.4 Fluorine-Based Chemicals

6.3 Market Segment by Chemical Family

6.3.1 World Parts Per Billion (PPB) Chemicals Production by Chemical Family (2021-2032)

6.3.2 World Parts Per Billion (PPB) Chemicals Production Value by Chemical Family (2021-2032)

6.3.3 World Parts Per Billion (PPB) Chemicals Average Price by Chemical Family (2021-2032)

7 MARKET ANALYSIS BY PROCESS STEP

7.1 World Parts Per Billion (PPB) Chemicals Market Size Overview by Process Step: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Process Step

7.2.1 Cleaning

7.2.2 Wet Etching

7.2.3 Deposition and Doping

7.2.4 Development and Stripping

7.2.5 Analytical Calibration

7.3 Market Segment by Process Step

7.3.1 World Parts Per Billion (PPB) Chemicals Production by Process Step (2021-2032)

7.3.2 World Parts Per Billion (PPB) Chemicals Production Value by Process Step (2021-2032)

7.3.3 World Parts Per Billion (PPB) Chemicals Average Price by Process Step (2021-2032)

8 MARKET ANALYSIS BY APPLICATION

8.1 World Parts Per Billion (PPB) Chemicals Market Size Overview by Application: 2021 VS 2025 VS 2032

8.2 Segment Introduction by Application

8.2.1 Integrated Circuit Manufacturing

8.2.2 Flat Panel Display Manufacturing

8.2.3 Photovoltaic and LED Manufacturing

8.2.4 Laboratory Analysis and Testing

8.2.5 High-Purity Materials Synthesis

8.2.6 Other Electronics Manufacturing

8.3 Market Segment by Application

8.3.1 World Parts Per Billion (PPB) Chemicals Production by Application (2021-2032)

8.3.2 World Parts Per Billion (PPB) Chemicals Production Value by Application (2021-2032)

8.3.3 World Parts Per Billion (PPB) Chemicals Average Price by Application (2021-2032)

9 COMPANY PROFILES

9.1 FUJIFILM Electronic Materials

9.1.1 FUJIFILM Electronic Materials Details

9.1.2 FUJIFILM Electronic Materials Major Business

9.1.3 FUJIFILM Electronic Materials Parts Per Billion (PPB) Chemicals Product and Services

9.1.4 FUJIFILM Electronic Materials Parts Per Billion (PPB) Chemicals Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.1.5 FUJIFILM Electronic Materials Recent Developments/Updates

9.1.6 FUJIFILM Electronic Materials Competitive Strengths & Weaknesses

9.2 BASF

9.2.1 BASF Details

9.2.2 BASF Major Business

9.2.3 BASF Parts Per Billion (PPB) Chemicals Product and Services

9.2.4 BASF Parts Per Billion (PPB) Chemicals Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.2.5 BASF Recent Developments/Updates

9.2.6 BASF Competitive Strengths & Weaknesses

9.3 Solstice Advanced Materials

9.3.1 Solstice Advanced Materials Details

9.3.2 Solstice Advanced Materials Major Business

9.3.3 Solstice Advanced Materials Parts Per Billion (PPB) Chemicals Product and

Services

9.3.4 Solstice Advanced Materials Parts Per Billion (PPB) Chemicals Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.3.5 Solstice Advanced Materials Recent Developments/Updates

9.3.6 Solstice Advanced Materials Competitive Strengths & Weaknesses

9.4 Merck KGaA

9.4.1 Merck KGaA Details

9.4.2 Merck KGaA Major Business

9.4.3 Merck KGaA Parts Per Billion (PPB) Chemicals Product and Services

9.4.4 Merck KGaA Parts Per Billion (PPB) Chemicals Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.4.5 Merck KGaA Recent Developments/Updates

9.4.6 Merck KGaA Competitive Strengths & Weaknesses

9.5 Linde

9.5.1 Linde Details

9.5.2 Linde Major Business

9.5.3 Linde Parts Per Billion (PPB) Chemicals Product and Services

9.5.4 Linde Parts Per Billion (PPB) Chemicals Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.5.5 Linde Recent Developments/Updates

9.5.6 Linde Competitive Strengths & Weaknesses

9.6 Air Liquide

9.6.1 Air Liquide Details

9.6.2 Air Liquide Major Business

9.6.3 Air Liquide Parts Per Billion (PPB) Chemicals Product and Services

9.6.4 Air Liquide Parts Per Billion (PPB) Chemicals Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.6.5 Air Liquide Recent Developments/Updates

9.6.6 Air Liquide Competitive Strengths & Weaknesses

9.7 Air Products

9.7.1 Air Products Details

9.7.2 Air Products Major Business

9.7.3 Air Products Parts Per Billion (PPB) Chemicals Product and Services

9.7.4 Air Products Parts Per Billion (PPB) Chemicals Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.7.5 Air Products Recent Developments/Updates

9.7.6 Air Products Competitive Strengths & Weaknesses

9.8 Kanto Chemical

9.8.1 Kanto Chemical Details

- 9.8.2 Kanto Chemical Major Business
- 9.8.3 Kanto Chemical Parts Per Billion (PPB) Chemicals Product and Services
- 9.8.4 Kanto Chemical Parts Per Billion (PPB) Chemicals Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.8.5 Kanto Chemical Recent Developments/Updates
- 9.8.6 Kanto Chemical Competitive Strengths & Weaknesses
- 9.9 KANTO-PPC
 - 9.9.1 KANTO-PPC Details
 - 9.9.2 KANTO-PPC Major Business
 - 9.9.3 KANTO-PPC Parts Per Billion (PPB) Chemicals Product and Services
 - 9.9.4 KANTO-PPC Parts Per Billion (PPB) Chemicals Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.9.5 KANTO-PPC Recent Developments/Updates
 - 9.9.6 KANTO-PPC Competitive Strengths & Weaknesses
- 9.10 Tokyo Ohka Kogyo
 - 9.10.1 Tokyo Ohka Kogyo Details
 - 9.10.2 Tokyo Ohka Kogyo Major Business
 - 9.10.3 Tokyo Ohka Kogyo Parts Per Billion (PPB) Chemicals Product and Services
 - 9.10.4 Tokyo Ohka Kogyo Parts Per Billion (PPB) Chemicals Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.10.5 Tokyo Ohka Kogyo Recent Developments/Updates
 - 9.10.6 Tokyo Ohka Kogyo Competitive Strengths & Weaknesses
- 9.11 Stella Chemifa
 - 9.11.1 Stella Chemifa Details
 - 9.11.2 Stella Chemifa Major Business
 - 9.11.3 Stella Chemifa Parts Per Billion (PPB) Chemicals Product and Services
 - 9.11.4 Stella Chemifa Parts Per Billion (PPB) Chemicals Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.11.5 Stella Chemifa Recent Developments/Updates
 - 9.11.6 Stella Chemifa Competitive Strengths & Weaknesses
- 9.12 Morita Chemical Industries
 - 9.12.1 Morita Chemical Industries Details
 - 9.12.2 Morita Chemical Industries Major Business
 - 9.12.3 Morita Chemical Industries Parts Per Billion (PPB) Chemicals Product and Services
 - 9.12.4 Morita Chemical Industries Parts Per Billion (PPB) Chemicals Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.12.5 Morita Chemical Industries Recent Developments/Updates
 - 9.12.6 Morita Chemical Industries Competitive Strengths & Weaknesses

9.13 Daikin Industries

9.13.1 Daikin Industries Details

9.13.2 Daikin Industries Major Business

9.13.3 Daikin Industries Parts Per Billion (PPB) Chemicals Product and Services

9.13.4 Daikin Industries Parts Per Billion (PPB) Chemicals Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.13.5 Daikin Industries Recent Developments/Updates

9.13.6 Daikin Industries Competitive Strengths & Weaknesses

9.14 Kanto Denka Kogyo

9.14.1 Kanto Denka Kogyo Details

9.14.2 Kanto Denka Kogyo Major Business

9.14.3 Kanto Denka Kogyo Parts Per Billion (PPB) Chemicals Product and Services

9.14.4 Kanto Denka Kogyo Parts Per Billion (PPB) Chemicals Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.14.5 Kanto Denka Kogyo Recent Developments/Updates

9.14.6 Kanto Denka Kogyo Competitive Strengths & Weaknesses

9.15 Mitsubishi Gas Chemical

9.15.1 Mitsubishi Gas Chemical Details

9.15.2 Mitsubishi Gas Chemical Major Business

9.15.3 Mitsubishi Gas Chemical Parts Per Billion (PPB) Chemicals Product and Services

9.15.4 Mitsubishi Gas Chemical Parts Per Billion (PPB) Chemicals Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.15.5 Mitsubishi Gas Chemical Recent Developments/Updates

9.15.6 Mitsubishi Gas Chemical Competitive Strengths & Weaknesses

9.16 Reagecon

9.16.1 Reagecon Details

9.16.2 Reagecon Major Business

9.16.3 Reagecon Parts Per Billion (PPB) Chemicals Product and Services

9.16.4 Reagecon Parts Per Billion (PPB) Chemicals Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.16.5 Reagecon Recent Developments/Updates

9.16.6 Reagecon Competitive Strengths & Weaknesses

9.17 Heraeus

9.17.1 Heraeus Details

9.17.2 Heraeus Major Business

9.17.3 Heraeus Parts Per Billion (PPB) Chemicals Product and Services

9.17.4 Heraeus Parts Per Billion (PPB) Chemicals Production, Price, Value, Gross Margin and Market Share (2021-2026)

- 9.17.5 Heraeus Recent Developments/Updates
- 9.17.6 Heraeus Competitive Strengths & Weaknesses
- 9.18 Avantor
 - 9.18.1 Avantor Details
 - 9.18.2 Avantor Major Business
 - 9.18.3 Avantor Parts Per Billion (PPB) Chemicals Product and Services
 - 9.18.4 Avantor Parts Per Billion (PPB) Chemicals Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.18.5 Avantor Recent Developments/Updates
 - 9.18.6 Avantor Competitive Strengths & Weaknesses
- 9.19 SACHEM
 - 9.19.1 SACHEM Details
 - 9.19.2 SACHEM Major Business
 - 9.19.3 SACHEM Parts Per Billion (PPB) Chemicals Product and Services
 - 9.19.4 SACHEM Parts Per Billion (PPB) Chemicals Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.19.5 SACHEM Recent Developments/Updates
 - 9.19.6 SACHEM Competitive Strengths & Weaknesses
- 9.20 Jiangyin Jianghua Microelectronics Materials
 - 9.20.1 Jiangyin Jianghua Microelectronics Materials Details
 - 9.20.2 Jiangyin Jianghua Microelectronics Materials Major Business
 - 9.20.3 Jiangyin Jianghua Microelectronics Materials Parts Per Billion (PPB) Chemicals Product and Services
 - 9.20.4 Jiangyin Jianghua Microelectronics Materials Parts Per Billion (PPB) Chemicals Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.20.5 Jiangyin Jianghua Microelectronics Materials Recent Developments/Updates
 - 9.20.6 Jiangyin Jianghua Microelectronics Materials Competitive Strengths & Weaknesses
- 9.21 GrandiT
 - 9.21.1 GrandiT Details
 - 9.21.2 GrandiT Major Business
 - 9.21.3 GrandiT Parts Per Billion (PPB) Chemicals Product and Services
 - 9.21.4 GrandiT Parts Per Billion (PPB) Chemicals Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.21.5 GrandiT Recent Developments/Updates
 - 9.21.6 GrandiT Competitive Strengths & Weaknesses
- 9.22 Greenda Electronic Materials
 - 9.22.1 Greenda Electronic Materials Details
 - 9.22.2 Greenda Electronic Materials Major Business

9.22.3 Greenda Electronic Materials Parts Per Billion (PPB) Chemicals Product and Services

9.22.4 Greenda Electronic Materials Parts Per Billion (PPB) Chemicals Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.22.5 Greenda Electronic Materials Recent Developments/Updates

9.22.6 Greenda Electronic Materials Competitive Strengths & Weaknesses

9.23 Soulbrain

9.23.1 Soulbrain Details

9.23.2 Soulbrain Major Business

9.23.3 Soulbrain Parts Per Billion (PPB) Chemicals Product and Services

9.23.4 Soulbrain Parts Per Billion (PPB) Chemicals Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.23.5 Soulbrain Recent Developments/Updates

9.23.6 Soulbrain Competitive Strengths & Weaknesses

9.24 ENF Technology

9.24.1 ENF Technology Details

9.24.2 ENF Technology Major Business

9.24.3 ENF Technology Parts Per Billion (PPB) Chemicals Product and Services

9.24.4 ENF Technology Parts Per Billion (PPB) Chemicals Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.24.5 ENF Technology Recent Developments/Updates

9.24.6 ENF Technology Competitive Strengths & Weaknesses

9.25 Dongjin Semichem

9.25.1 Dongjin Semichem Details

9.25.2 Dongjin Semichem Major Business

9.25.3 Dongjin Semichem Parts Per Billion (PPB) Chemicals Product and Services

9.25.4 Dongjin Semichem Parts Per Billion (PPB) Chemicals Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.25.5 Dongjin Semichem Recent Developments/Updates

9.25.6 Dongjin Semichem Competitive Strengths & Weaknesses

9.26 Wonik Materials

9.26.1 Wonik Materials Details

9.26.2 Wonik Materials Major Business

9.26.3 Wonik Materials Parts Per Billion (PPB) Chemicals Product and Services

9.26.4 Wonik Materials Parts Per Billion (PPB) Chemicals Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.26.5 Wonik Materials Recent Developments/Updates

9.26.6 Wonik Materials Competitive Strengths & Weaknesses

10 INDUSTRY CHAIN ANALYSIS

10.1 Parts Per Billion (PPB) Chemicals Industry Chain

10.2 Parts Per Billion (PPB) Chemicals Upstream Analysis

10.2.1 Parts Per Billion (PPB) Chemicals Core Raw Materials

10.2.2 Main Manufacturers of Parts Per Billion (PPB) Chemicals Core Raw Materials

10.3 Midstream Analysis

10.4 Downstream Analysis

10.5 Parts Per Billion (PPB) Chemicals Production Mode

10.6 Parts Per Billion (PPB) Chemicals Procurement Model

10.7 Parts Per Billion (PPB) Chemicals Industry Sales Model and Sales Channels

10.7.1 Parts Per Billion (PPB) Chemicals Sales Model

10.7.2 Parts Per Billion (PPB) Chemicals 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 Parts Per Billion (PPB) Chemicals Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World Parts Per Billion (PPB) Chemicals Production Value by Region (2021-2026) & (USD Million)

Table 3. World Parts Per Billion (PPB) Chemicals Production Value by Region (2027-2032) & (USD Million)

Table 4. World Parts Per Billion (PPB) Chemicals Production Value Market Share by Region (2021-2026)

Table 5. World Parts Per Billion (PPB) Chemicals Production Value Market Share by Region (2027-2032)

Table 6. World Parts Per Billion (PPB) Chemicals Production by Region (2021-2026) & (Tons)

Table 7. World Parts Per Billion (PPB) Chemicals Production by Region (2027-2032) & (Tons)

Table 8. World Parts Per Billion (PPB) Chemicals Production Market Share by Region (2021-2026)

Table 9. World Parts Per Billion (PPB) Chemicals Production Market Share by Region (2027-2032)

Table 10. World Parts Per Billion (PPB) Chemicals Average Price by Region (2021-2026) & (US\$/Ton)

Table 11. World Parts Per Billion (PPB) Chemicals Average Price by Region (2027-2032) & (US\$/Ton)

Table 12. Parts Per Billion (PPB) Chemicals Major Market Trends

Table 13. World Parts Per Billion (PPB) Chemicals Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (Tons)

Table 14. World Parts Per Billion (PPB) Chemicals Consumption by Region (2021-2026) & (Tons)

Table 15. World Parts Per Billion (PPB) Chemicals Consumption Forecast by Region (2027-2032) & (Tons)

Table 16. World Parts Per Billion (PPB) Chemicals Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key Parts Per Billion (PPB) Chemicals Producers in 2025

Table 18. World Parts Per Billion (PPB) Chemicals Production by Manufacturer (2021-2026) & (Tons)

Table 19. Production Market Share of Key Parts Per Billion (PPB) Chemicals Producers in 2025

Table 20. World Parts Per Billion (PPB) Chemicals Average Price by Manufacturer (2021-2026) & (US\$/Ton)

Table 21. Global Parts Per Billion (PPB) Chemicals Company Evaluation Quadrant

Table 22. World Parts Per Billion (PPB) Chemicals Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and Parts Per Billion (PPB) Chemicals Production Site of Key Manufacturer

Table 24. Parts Per Billion (PPB) Chemicals Market: Company Product Type Footprint

Table 25. Parts Per Billion (PPB) Chemicals Market: Company Product Application Footprint

Table 26. Parts Per Billion (PPB) Chemicals Competitive Factors

Table 27. Parts Per Billion (PPB) Chemicals New Entrant and Capacity Expansion Plans

Table 28. Parts Per Billion (PPB) Chemicals Mergers & Acquisitions Activity

Table 29. United States VS China Parts Per Billion (PPB) Chemicals Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China Parts Per Billion (PPB) Chemicals Production Comparison, (2021 & 2025 & 2032) & (Tons)

Table 31. United States VS China Parts Per Billion (PPB) Chemicals Consumption Comparison, (2021 & 2025 & 2032) & (Tons)

Table 32. United States Based Parts Per Billion (PPB) Chemicals Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Parts Per Billion (PPB) Chemicals Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers Parts Per Billion (PPB) Chemicals Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers Parts Per Billion (PPB) Chemicals Production (2021-2026) & (Tons)

Table 36. United States Based Manufacturers Parts Per Billion (PPB) Chemicals Production Market Share (2021-2026)

Table 37. China Based Parts Per Billion (PPB) Chemicals Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Parts Per Billion (PPB) Chemicals Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers Parts Per Billion (PPB) Chemicals Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers Parts Per Billion (PPB) Chemicals Production,

(2021-2026) & (Tons)

Table 41. China Based Manufacturers Parts Per Billion (PPB) Chemicals Production Market Share (2021-2026)

Table 42. Rest of World Based Parts Per Billion (PPB) Chemicals Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers Parts Per Billion (PPB) Chemicals Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers Parts Per Billion (PPB) Chemicals Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers Parts Per Billion (PPB) Chemicals Production, (2021-2026) & (Tons)

Table 46. Rest of World Based Manufacturers Parts Per Billion (PPB) Chemicals Production Market Share (2021-2026)

Table 47. World Parts Per Billion (PPB) Chemicals Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World Parts Per Billion (PPB) Chemicals Production by Type (2021-2026) & (Tons)

Table 49. World Parts Per Billion (PPB) Chemicals Production by Type (2027-2032) & (Tons)

Table 50. World Parts Per Billion (PPB) Chemicals Production Value by Type (2021-2026) & (USD Million)

Table 51. World Parts Per Billion (PPB) Chemicals Production Value by Type (2027-2032) & (USD Million)

Table 52. World Parts Per Billion (PPB) Chemicals Average Price by Type (2021-2026) & (US\$/Ton)

Table 53. World Parts Per Billion (PPB) Chemicals Average Price by Type (2027-2032) & (US\$/Ton)

Table 54. World Parts Per Billion (PPB) Chemicals Production Value by Chemical Family, (USD Million), 2021 & 2025 & 2032

Table 55. World Parts Per Billion (PPB) Chemicals Production by Chemical Family (2021-2026) & (Tons)

Table 56. World Parts Per Billion (PPB) Chemicals Production by Chemical Family (2027-2032) & (Tons)

Table 57. World Parts Per Billion (PPB) Chemicals Production Value by Chemical Family (2021-2026) & (USD Million)

Table 58. World Parts Per Billion (PPB) Chemicals Production Value by Chemical Family (2027-2032) & (USD Million)

Table 59. World Parts Per Billion (PPB) Chemicals Average Price by Chemical Family (2021-2026) & (US\$/Ton)

Table 60. World Parts Per Billion (PPB) Chemicals Average Price by Chemical Family (2027-2032) & (US\$/Ton)

Table 61. World Parts Per Billion (PPB) Chemicals Production Value by Process Step, (USD Million), 2021 & 2025 & 2032

Table 62. World Parts Per Billion (PPB) Chemicals Production by Process Step (2021-2026) & (Tons)

Table 63. World Parts Per Billion (PPB) Chemicals Production by Process Step (2027-2032) & (Tons)

Table 64. World Parts Per Billion (PPB) Chemicals Production Value by Process Step (2021-2026) & (USD Million)

Table 65. World Parts Per Billion (PPB) Chemicals Production Value by Process Step (2027-2032) & (USD Million)

Table 66. World Parts Per Billion (PPB) Chemicals Average Price by Process Step (2021-2026) & (US\$/Ton)

Table 67. World Parts Per Billion (PPB) Chemicals Average Price by Process Step (2027-2032) & (US\$/Ton)

Table 68. World Parts Per Billion (PPB) Chemicals Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 69. World Parts Per Billion (PPB) Chemicals Production by Application (2021-2026) & (Tons)

Table 70. World Parts Per Billion (PPB) Chemicals Production by Application (2027-2032) & (Tons)

Table 71. World Parts Per Billion (PPB) Chemicals Production Value by Application (2021-2026) & (USD Million)

Table 72. World Parts Per Billion (PPB) Chemicals Production Value by Application (2027-2032) & (USD Million)

Table 73. World Parts Per Billion (PPB) Chemicals Average Price by Application (2021-2026) & (US\$/Ton)

Table 74. World Parts Per Billion (PPB) Chemicals Average Price by Application (2027-2032) & (US\$/Ton)

Table 75. FUJIFILM Electronic Materials Basic Information, Manufacturing Base and Competitors

Table 76. FUJIFILM Electronic Materials Major Business

Table 77. FUJIFILM Electronic Materials Parts Per Billion (PPB) Chemicals Product and Services

Table 78. FUJIFILM Electronic Materials Parts Per Billion (PPB) Chemicals Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 79. FUJIFILM Electronic Materials Recent Developments/Updates

Table 80. FUJIFILM Electronic Materials Competitive Strengths & Weaknesses
Table 81. BASF Basic Information, Manufacturing Base and Competitors
Table 82. BASF Major Business
Table 83. BASF Parts Per Billion (PPB) Chemicals Product and Services
Table 84. BASF Parts Per Billion (PPB) Chemicals Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 85. BASF Recent Developments/Updates
Table 86. BASF Competitive Strengths & Weaknesses
Table 87. Solstice Advanced Materials Basic Information, Manufacturing Base and Competitors
Table 88. Solstice Advanced Materials Major Business
Table 89. Solstice Advanced Materials Parts Per Billion (PPB) Chemicals Product and Services
Table 90. Solstice Advanced Materials Parts Per Billion (PPB) Chemicals Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 91. Solstice Advanced Materials Recent Developments/Updates
Table 92. Solstice Advanced Materials Competitive Strengths & Weaknesses
Table 93. Merck KGaA Basic Information, Manufacturing Base and Competitors
Table 94. Merck KGaA Major Business
Table 95. Merck KGaA Parts Per Billion (PPB) Chemicals Product and Services
Table 96. Merck KGaA Parts Per Billion (PPB) Chemicals Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 97. Merck KGaA Recent Developments/Updates
Table 98. Merck KGaA Competitive Strengths & Weaknesses
Table 99. Linde Basic Information, Manufacturing Base and Competitors
Table 100. Linde Major Business
Table 101. Linde Parts Per Billion (PPB) Chemicals Product and Services
Table 102. Linde Parts Per Billion (PPB) Chemicals Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 103. Linde Recent Developments/Updates
Table 104. Linde Competitive Strengths & Weaknesses
Table 105. Air Liquide Basic Information, Manufacturing Base and Competitors
Table 106. Air Liquide Major Business
Table 107. Air Liquide Parts Per Billion (PPB) Chemicals Product and Services
Table 108. Air Liquide Parts Per Billion (PPB) Chemicals Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 109. Air Liquide Recent Developments/Updates
Table 110. Air Liquide Competitive Strengths & Weaknesses
Table 111. Air Products Basic Information, Manufacturing Base and Competitors
Table 112. Air Products Major Business
Table 113. Air Products Parts Per Billion (PPB) Chemicals Product and Services
Table 114. Air Products Parts Per Billion (PPB) Chemicals Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 115. Air Products Recent Developments/Updates
Table 116. Air Products Competitive Strengths & Weaknesses
Table 117. Kanto Chemical Basic Information, Manufacturing Base and Competitors
Table 118. Kanto Chemical Major Business
Table 119. Kanto Chemical Parts Per Billion (PPB) Chemicals Product and Services
Table 120. Kanto Chemical Parts Per Billion (PPB) Chemicals Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 121. Kanto Chemical Recent Developments/Updates
Table 122. Kanto Chemical Competitive Strengths & Weaknesses
Table 123. KANTO-PPC Basic Information, Manufacturing Base and Competitors
Table 124. KANTO-PPC Major Business
Table 125. KANTO-PPC Parts Per Billion (PPB) Chemicals Product and Services
Table 126. KANTO-PPC Parts Per Billion (PPB) Chemicals Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 127. KANTO-PPC Recent Developments/Updates
Table 128. KANTO-PPC Competitive Strengths & Weaknesses
Table 129. Tokyo Ohka Kogyo Basic Information, Manufacturing Base and Competitors
Table 130. Tokyo Ohka Kogyo Major Business
Table 131. Tokyo Ohka Kogyo Parts Per Billion (PPB) Chemicals Product and Services
Table 132. Tokyo Ohka Kogyo Parts Per Billion (PPB) Chemicals Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 133. Tokyo Ohka Kogyo Recent Developments/Updates
Table 134. Tokyo Ohka Kogyo Competitive Strengths & Weaknesses
Table 135. Stella Chemifa Basic Information, Manufacturing Base and Competitors
Table 136. Stella Chemifa Major Business
Table 137. Stella Chemifa Parts Per Billion (PPB) Chemicals Product and Services
Table 138. Stella Chemifa Parts Per Billion (PPB) Chemicals Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share

(2021-2026)

Table 139. Stella Chemifa Recent Developments/Updates

Table 140. Stella Chemifa Competitive Strengths & Weaknesses

Table 141. Morita Chemical Industries Basic Information, Manufacturing Base and Competitors

Table 142. Morita Chemical Industries Major Business

Table 143. Morita Chemical Industries Parts Per Billion (PPB) Chemicals Product and Services

Table 144. Morita Chemical Industries Parts Per Billion (PPB) Chemicals Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 145. Morita Chemical Industries Recent Developments/Updates

Table 146. Morita Chemical Industries Competitive Strengths & Weaknesses

Table 147. Daikin Industries Basic Information, Manufacturing Base and Competitors

Table 148. Daikin Industries Major Business

Table 149. Daikin Industries Parts Per Billion (PPB) Chemicals Product and Services

Table 150. Daikin Industries Parts Per Billion (PPB) Chemicals Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 151. Daikin Industries Recent Developments/Updates

Table 152. Daikin Industries Competitive Strengths & Weaknesses

Table 153. Kanto Denka Kogyo Basic Information, Manufacturing Base and Competitors

Table 154. Kanto Denka Kogyo Major Business

Table 155. Kanto Denka Kogyo Parts Per Billion (PPB) Chemicals Product and Services

Table 156. Kanto Denka Kogyo Parts Per Billion (PPB) Chemicals Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 157. Kanto Denka Kogyo Recent Developments/Updates

Table 158. Kanto Denka Kogyo Competitive Strengths & Weaknesses

Table 159. Mitsubishi Gas Chemical Basic Information, Manufacturing Base and Competitors

Table 160. Mitsubishi Gas Chemical Major Business

Table 161. Mitsubishi Gas Chemical Parts Per Billion (PPB) Chemicals Product and Services

Table 162. Mitsubishi Gas Chemical Parts Per Billion (PPB) Chemicals Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 163. Mitsubishi Gas Chemical Recent Developments/Updates

Table 164. Mitsubishi Gas Chemical Competitive Strengths & Weaknesses

Table 165. Reagecon Basic Information, Manufacturing Base and Competitors

Table 166. Reagecon Major Business

Table 167. Reagecon Parts Per Billion (PPB) Chemicals Product and Services

Table 168. Reagecon Parts Per Billion (PPB) Chemicals Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 169. Reagecon Recent Developments/Updates

Table 170. Reagecon Competitive Strengths & Weaknesses

Table 171. Heraeus Basic Information, Manufacturing Base and Competitors

Table 172. Heraeus Major Business

Table 173. Heraeus Parts Per Billion (PPB) Chemicals Product and Services

Table 174. Heraeus Parts Per Billion (PPB) Chemicals Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 175. Heraeus Recent Developments/Updates

Table 176. Heraeus Competitive Strengths & Weaknesses

Table 177. Avantor Basic Information, Manufacturing Base and Competitors

Table 178. Avantor Major Business

Table 179. Avantor Parts Per Billion (PPB) Chemicals Product and Services

Table 180. Avantor Parts Per Billion (PPB) Chemicals Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 181. Avantor Recent Developments/Updates

Table 182. Avantor Competitive Strengths & Weaknesses

Table 183. SACHEM Basic Information, Manufacturing Base and Competitors

Table 184. SACHEM Major Business

Table 185. SACHEM Parts Per Billion (PPB) Chemicals Product and Services

Table 186. SACHEM Parts Per Billion (PPB) Chemicals Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 187. SACHEM Recent Developments/Updates

Table 188. SACHEM Competitive Strengths & Weaknesses

Table 189. Jiangyin Jianghua Microelectronics Materials Basic Information, Manufacturing Base and Competitors

Table 190. Jiangyin Jianghua Microelectronics Materials Major Business

Table 191. Jiangyin Jianghua Microelectronics Materials Parts Per Billion (PPB) Chemicals Product and Services

Table 192. Jiangyin Jianghua Microelectronics Materials Parts Per Billion (PPB) Chemicals Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross

Margin and Market Share (2021-2026)

Table 193. Jiangyin Jianghua Microelectronics Materials Recent Developments/Updates

Table 194. Jiangyin Jianghua Microelectronics Materials Competitive Strengths & Weaknesses

Table 195. GrandiT Basic Information, Manufacturing Base and Competitors

Table 196. GrandiT Major Business

Table 197. GrandiT Parts Per Billion (PPB) Chemicals Product and Services

Table 198. GrandiT Parts Per Billion (PPB) Chemicals Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 199. GrandiT Recent Developments/Updates

Table 200. GrandiT Competitive Strengths & Weaknesses

Table 201. Greenda Electronic Materials Basic Information, Manufacturing Base and Competitors

Table 202. Greenda Electronic Materials Major Business

Table 203. Greenda Electronic Materials Parts Per Billion (PPB) Chemicals Product and Services

Table 204. Greenda Electronic Materials Parts Per Billion (PPB) Chemicals Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 205. Greenda Electronic Materials Recent Developments/Updates

Table 206. Greenda Electronic Materials Competitive Strengths & Weaknesses

Table 207. Soulbrain Basic Information, Manufacturing Base and Competitors

Table 208. Soulbrain Major Business

Table 209. Soulbrain Parts Per Billion (PPB) Chemicals Product and Services

Table 210. Soulbrain Parts Per Billion (PPB) Chemicals Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 211. Soulbrain Recent Developments/Updates

Table 212. Soulbrain Competitive Strengths & Weaknesses

Table 213. ENF Technology Basic Information, Manufacturing Base and Competitors

Table 214. ENF Technology Major Business

Table 215. ENF Technology Parts Per Billion (PPB) Chemicals Product and Services

Table 216. ENF Technology Parts Per Billion (PPB) Chemicals Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 217. ENF Technology Recent Developments/Updates

Table 218. ENF Technology Competitive Strengths & Weaknesses

Table 219. Dongjin Semichem Basic Information, Manufacturing Base and Competitors

Table 220. Dongjin Semichem Major Business

Table 221. Dongjin Semichem Parts Per Billion (PPB) Chemicals Product and Services

Table 222. Dongjin Semichem Parts Per Billion (PPB) Chemicals Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 223. Dongjin Semichem Recent Developments/Updates

Table 224. Dongjin Semichem Competitive Strengths & Weaknesses

Table 225. Wonik Materials Basic Information, Manufacturing Base and Competitors

Table 226. Wonik Materials Major Business

Table 227. Wonik Materials Parts Per Billion (PPB) Chemicals Product and Services

Table 228. Wonik Materials Parts Per Billion (PPB) Chemicals Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 229. Wonik Materials Recent Developments/Updates

Table 230. Wonik Materials Competitive Strengths & Weaknesses

Table 231. Global Key Players of Parts Per Billion (PPB) Chemicals Upstream (Raw Materials)

Table 232. Global Parts Per Billion (PPB) Chemicals Typical Customers

Table 233. Parts Per Billion (PPB) Chemicals Typical Distributors

List Of Figures

LIST OF FIGURES

Figure 1. Parts Per Billion (PPB) Chemicals Picture

Figure 2. World Parts Per Billion (PPB) Chemicals Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World Parts Per Billion (PPB) Chemicals Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World Parts Per Billion (PPB) Chemicals Production (2021-2032) & (Tons)

Figure 5. World Parts Per Billion (PPB) Chemicals Average Price (2021-2032) & (US\$/Ton)

Figure 6. World Parts Per Billion (PPB) Chemicals Production Value Market Share by Region (2021-2032)

Figure 7. World Parts Per Billion (PPB) Chemicals Production Market Share by Region (2021-2032)

Figure 8. North America Parts Per Billion (PPB) Chemicals Production (2021-2032) & (Tons)

Figure 9. Europe Parts Per Billion (PPB) Chemicals Production (2021-2032) & (Tons)

Figure 10. China Parts Per Billion (PPB) Chemicals Production (2021-2032) & (Tons)

Figure 11. Japan Parts Per Billion (PPB) Chemicals Production (2021-2032) & (Tons)

Figure 12. South Korea Parts Per Billion (PPB) Chemicals Production (2021-2032) & (Tons)

Figure 13. Parts Per Billion (PPB) Chemicals Market Drivers

Figure 14. Factors Affecting Demand

Figure 15. World Parts Per Billion (PPB) Chemicals Consumption (2021-2032) & (Tons)

Figure 16. World Parts Per Billion (PPB) Chemicals Consumption Market Share by Region (2021-2032)

Figure 17. United States Parts Per Billion (PPB) Chemicals Consumption (2021-2032) & (Tons)

Figure 18. China Parts Per Billion (PPB) Chemicals Consumption (2021-2032) & (Tons)

Figure 19. Europe Parts Per Billion (PPB) Chemicals Consumption (2021-2032) & (Tons)

Figure 20. Japan Parts Per Billion (PPB) Chemicals Consumption (2021-2032) & (Tons)

Figure 21. South Korea Parts Per Billion (PPB) Chemicals Consumption (2021-2032) & (Tons)

Figure 22. ASEAN Parts Per Billion (PPB) Chemicals Consumption (2021-2032) & (Tons)

Figure 23. India Parts Per Billion (PPB) Chemicals Consumption (2021-2032) & (Tons)

Figure 24. Producer Shipments of Parts Per Billion (PPB) Chemicals by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 25. Global Four-firm Concentration Ratios (CR4) for Parts Per Billion (PPB) Chemicals Markets in 2025

Figure 26. Global Four-firm Concentration Ratios (CR8) for Parts Per Billion (PPB) Chemicals Markets in 2025

Figure 27. United States VS China: Parts Per Billion (PPB) Chemicals Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 28. United States VS China: Parts Per Billion (PPB) Chemicals Production Market Share Comparison (2021 & 2025 & 2032)

Figure 29. United States VS China: Parts Per Billion (PPB) Chemicals Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 30. United States Based Manufacturers Parts Per Billion (PPB) Chemicals Production Market Share 2025

Figure 31. China Based Manufacturers Parts Per Billion (PPB) Chemicals Production Market Share 2025

Figure 32. Rest of World Based Manufacturers Parts Per Billion (PPB) Chemicals Production Market Share 2025

Figure 33. World Parts Per Billion (PPB) Chemicals Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 34. World Parts Per Billion (PPB) Chemicals Production Value Market Share by Type in 2025

Figure 35. Liquid Wet Chemicals

Figure 36. Gas Chemicals

Figure 37. World Parts Per Billion (PPB) Chemicals Production Market Share by Type (2021-2032)

Figure 38. World Parts Per Billion (PPB) Chemicals Production Value Market Share by Type (2021-2032)

Figure 39. World Parts Per Billion (PPB) Chemicals Average Price by Type (2021-2032) & (US\$/Ton)

Figure 40. World Parts Per Billion (PPB) Chemicals Production Value by Chemical Family, (USD Million), 2021 & 2025 & 2032

Figure 41. World Parts Per Billion (PPB) Chemicals Production Value Market Share by Chemical Family in 2025

Figure 42. Inorganic Acids

Figure 43. Inorganic Bases

Figure 44. Organic Solvents

Figure 45. Fluorine-Based Chemicals

Figure 46. World Parts Per Billion (PPB) Chemicals Production Market Share by

Chemical Family (2021-2032)

Figure 47. World Parts Per Billion (PPB) Chemicals Production Value Market Share by Chemical Family (2021-2032)

Figure 48. World Parts Per Billion (PPB) Chemicals Average Price by Chemical Family (2021-2032) & (US\$/Ton)

Figure 49. World Parts Per Billion (PPB) Chemicals Production Value by Process Step, (USD Million), 2021 & 2025 & 2032

Figure 50. World Parts Per Billion (PPB) Chemicals Production Value Market Share by Process Step in 2025

Figure 51. Cleaning

Figure 52. Wet Etching

Figure 53. Deposition and Doping

Figure 54. Development and Stripping

Figure 55. Analytical Calibration

Figure 56. World Parts Per Billion (PPB) Chemicals Production Market Share by Process Step (2021-2032)

Figure 57. World Parts Per Billion (PPB) Chemicals Production Value Market Share by Process Step (2021-2032)

Figure 58. World Parts Per Billion (PPB) Chemicals Average Price by Process Step (2021-2032) & (US\$/Ton)

Figure 59. World Parts Per Billion (PPB) Chemicals Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 60. World Parts Per Billion (PPB) Chemicals Production Value Market Share by Application in 2025

Figure 61. Integrated Circuit Manufacturing

Figure 62. Flat Panel Display Manufacturing

Figure 63. Photovoltaic and LED Manufacturing

Figure 64. Laboratory Analysis and Testing

Figure 65. High-Purity Materials Synthesis

Figure 66. Other Electronics Manufacturing

Figure 67. World Parts Per Billion (PPB) Chemicals Production Market Share by Application (2021-2032)

Figure 68. World Parts Per Billion (PPB) Chemicals Production Value Market Share by Application (2021-2032)

Figure 69. World Parts Per Billion (PPB) Chemicals Average Price by Application (2021-2032) & (US\$/Ton)

Figure 70. Parts Per Billion (PPB) Chemicals Industry Chain

Figure 71. Parts Per Billion (PPB) Chemicals Procurement Model

Figure 72. Parts Per Billion (PPB) Chemicals Sales Model

Figure 73. Parts Per Billion (PPB) Chemicals Sales Channels, Direct Sales, and Distribution

Figure 74. Methodology

Figure 75. Research Process and Data Source

I would like to order

Product name: Global Parts Per Billion (PPB) Chemicals Supply, Demand and Key Producers, 2026-2032

Product link: <https://marketpublishers.com/r/GBBCF40D272CEN.html>

Price: US\$ 4,480.00 (Single User License / Electronic Delivery)

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

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GBBCF40D272CEN.html>