

Global Electronic Chemicals & Materials Market Size study & Forecast, by Type (Silicon Wafers, PCB Laminates, Specialty Gases, Wet Chemicals, Photoresist Chemicals, Others), by Application (Semiconductors and Others), and Regional Analysis, 2022-2029

<https://marketpublishers.com/r/G5CB8D6F37E4EN.html>

Date: February 2023

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: G5CB8D6F37E4EN

Abstracts

Global Electronic Chemicals & Materials Market is valued at approximately USD 63.36 billion in 2021 and is anticipated to grow with a healthy growth rate of more than 6.0% over the forecast period 2022-2029. Electronic materials and chemicals are used as major elements in a wide range of electronic applications. This refers to almost all of the chemicals and materials used in the manufacture, assembly, and packaging of electronic components, including semiconductors, integrated circuits, printed circuit boards, flat panel displays, and others.. The increasing demand for silicon wafers and rising technological advancements in the electronics industry have enhanced the growth of this market.

The high demand from the semiconductor industry is acting as a catalyzing factor for market growth across the globe. Electronic chemicals and materials are primarily used in the manufacturing and servicing of printed circuit boards (PCBs) and integrated circuits (ICs) in the semiconductor industry. It is utilized in a variety of processes, including the etching, polishing, cleaning, doping, and maintenance of semiconductors. The Semiconductor Business Association reports that in 2021, sales in the worldwide semiconductor industry were approximately USD 555.9 billion. With an increase of 26.2% from the amount of USD 440.4 billion in 2020, the industry generates the largest yearly income. Thus, the high usage of electronic materials and chemicals across the semiconductor industry is bolstering the market demand at a substantial rate. Moreover,

rising investment in the development of advanced technology such as AI and IoT, as well as the growing focus on improving IT infrastructure are presenting various lucrative opportunities over the forecasting years. However, the stringent health and environmental regulations regarding certain chemicals and materials are hampering the market growth throughout the forecast period of 2022-2029.

The key regions considered for the Global Electronic Chemicals & Materials Market study include Asia Pacific, North America, Europe, Latin America, and the Rest of the World. Asia Pacific dominated the market in terms of revenue, owing to the growing population, high disposable income, and developments in telecommunications and IT, smart cards, electronic gaming, and consumer goods application. Whereas, North America is expected to grow with the highest CAGR during the forecast period, owing to factors such as the high demand for printed circuit boards, as well as the increasing proliferation of electronic devices in the market space.

Major market players included in this report are:

Linde PLC

Air Products and Chemicals Inc.

DuPont de Nemours, Inc.

Cabot Microelectronics

BASF SE

Hitachi Chemical

Air Liquide

Solvay

Shin-Etsu Chemical Co., Ltd.

Covestro AG

Recent Developments in the Market:

In April 2021, Cabot Microelectronics announced the acquisition of International Test Solutions to grow its electronic materials business line. This assists the company to fulfil the unmet customer demand across the semiconductor sector.

Global Electronic Chemicals & Materials Market Report Scope:

Historical Data 2019-2020-2021

Base Year for Estimation 2021

Forecast period 2022-2029

Report Coverage Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered Type, Application, Region

Regional Scope North America; Europe; Asia Pacific; Latin America; Rest of the World
Customization Scope Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Type:

Silicon Wafers

PCB Laminates

Specialty Gases

Wet Chemicals

Photoresist Chemicals

Others

By Application:

Semiconductors

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India
Japan
Australia
South Korea
RoAPAC
Latin America
Brazil
Mexico
RoLA
Rest of the World

Contents

CHAPTER 1. EXECUTIVE SUMMARY

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2019-2029 (USD Billion)
 - 1.2.1. Electronic Chemicals & Materials Market, by Region, 2019-2029 (USD Billion)
 - 1.2.2. Electronic Chemicals & Materials Market, by Type, 2019-2029 (USD Billion)
 - 1.2.3. Electronic Chemicals & Materials Market, by Application, 2019-2029 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

CHAPTER 2. GLOBAL ELECTRONIC CHEMICALS & MATERIALS MARKET DEFINITION AND SCOPE

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
 - 2.2.1. Scope of the Study
 - 2.2.2. Industry Evolution
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

CHAPTER 3. GLOBAL ELECTRONIC CHEMICALS & MATERIALS MARKET DYNAMICS

- 3.1. Electronic Chemicals & Materials Market Impact Analysis (2019-2029)
 - 3.1.1. Market Drivers
 - 3.1.1.1. Increasing demand for silicon wafers
 - 3.1.1.2. High demand from the semiconductor industry
 - 3.1.2. Market Challenges
 - 3.1.2.1. Stringent health and environmental regulations regarding certain chemicals and materials
 - 3.1.3. Market Opportunities
 - 3.1.3.1. Rising investment in the development of advance technology
 - 3.1.3.2. Growing awareness about micro lending

CHAPTER 4. GLOBAL ELECTRONIC CHEMICALS & MATERIALS MARKET

Global Electronic Chemicals & Materials Market Size study & Forecast, by Type (Silicon Wafers, PCB Laminates,...

INDUSTRY ANALYSIS

- 4.1. Porter's 5 Force Model
 - 4.1.1. Bargaining Power of Suppliers
 - 4.1.2. Bargaining Power of Buyers
 - 4.1.3. Threat of New Entrants
 - 4.1.4. Threat of Substitutes
 - 4.1.5. Competitive Rivalry
- 4.2. Futuristic Approach to Porter's 5 Force Model (2019-2029)
- 4.3. PEST Analysis
 - 4.3.1. Political
 - 4.3.2. Economical
 - 4.3.3. Social
 - 4.3.4. Technological
- 4.4. Top investment opportunity
- 4.5. Top winning strategies
- 4.6. Industry Experts Prospective
- 4.7. Analyst Recommendation & Conclusion

CHAPTER 5. RISK ASSESSMENT: COVID-19 IMPACT

- 5.1. Assessment of the overall impact of COVID-19 on the industry
- 5.2. Pre COVID-19 and post COVID-19 Market scenario

CHAPTER 6. GLOBAL ELECTRONIC CHEMICALS & MATERIALS MARKET, BY TYPE

- 6.1. Market Snapshot
- 6.2. Global Electronic Chemicals & Materials Market by Type, Performance - Potential Analysis
- 6.3. Global Electronic Chemicals & Materials Market Estimates & Forecasts by Type 2019-2029 (USD Billion)
- 6.4. Electronic Chemicals & Materials Market, Sub Segment Analysis
 - 6.4.1. Silicon Wafers
 - 6.4.2. PCB Laminates
 - 6.4.3. Specialty Gases
 - 6.4.4. Wet Chemicals
 - 6.4.5. Photoresist Chemicals
 - 6.4.6. Others

CHAPTER 7. GLOBAL ELECTRONIC CHEMICALS & MATERIALS MARKET, BY APPLICATION

- 7.1. Market Snapshot
- 7.2. Global Electronic Chemicals & Materials Market by Application, Performance - Potential Analysis
- 7.3. Global Electronic Chemicals & Materials Market Estimates & Forecasts by Application 2019-2029 (USD Billion)
- 7.4. Electronic Chemicals & Materials Market, Sub Segment Analysis
 - 7.4.1. Semiconductors
 - 7.4.2. Others

CHAPTER 8. GLOBAL ELECTRONIC CHEMICALS & MATERIALS MARKET, REGIONAL ANALYSIS

- 8.1. Electronic Chemicals & Materials Market, Regional Market Snapshot
- 8.2. North America Electronic Chemicals & Materials Market
 - 8.2.1. U.S. Electronic Chemicals & Materials Market
 - 8.2.1.1. Type breakdown estimates & forecasts, 2019-2029
 - 8.2.1.2. Application breakdown estimates & forecasts, 2019-2029
 - 8.2.2. Canada Electronic Chemicals & Materials Market
- 8.3. Europe Electronic Chemicals & Materials Market Snapshot
 - 8.3.1. U.K. Electronic Chemicals & Materials Market
 - 8.3.2. Germany Electronic Chemicals & Materials Market
 - 8.3.3. France Electronic Chemicals & Materials Market
 - 8.3.4. Spain Electronic Chemicals & Materials Market
 - 8.3.5. Italy Electronic Chemicals & Materials Market
 - 8.3.6. Rest of Europe Electronic Chemicals & Materials Market
- 8.4. Asia-Pacific Electronic Chemicals & Materials Market Snapshot
 - 8.4.1. China Electronic Chemicals & Materials Market
 - 8.4.2. India Electronic Chemicals & Materials Market
 - 8.4.3. Japan Electronic Chemicals & Materials Market
 - 8.4.4. Australia Electronic Chemicals & Materials Market
 - 8.4.5. South Korea Electronic Chemicals & Materials Market
 - 8.4.6. Rest of Asia Pacific Electronic Chemicals & Materials Market
- 8.5. Latin America Electronic Chemicals & Materials Market Snapshot
 - 8.5.1. Brazil Electronic Chemicals & Materials Market
 - 8.5.2. Mexico Electronic Chemicals & Materials Market

- 8.5.3. Rest of Latin America Electronic Chemicals & Materials Market
- 8.6. Rest of The World Electronic Chemicals & Materials Market

CHAPTER 9. COMPETITIVE INTELLIGENCE

- 9.1. Top Market Strategies
- 9.2. Company Profiles
 - 9.2.1. Linde PLC
 - 9.2.1.1. Key Information
 - 9.2.1.2. Overview
 - 9.2.1.3. Financial (Subject to Data Availability)
 - 9.2.1.4. Product Summary
 - 9.2.1.5. Recent Developments
 - 9.2.2. Air Products and Chemicals Inc.
 - 9.2.3. DuPont de Nemours, Inc.
 - 9.2.4. Cabot Microelectronics
 - 9.2.5. BASF SE
 - 9.2.6. Hitachi Chemical
 - 9.2.7. Air Liquide
 - 9.2.8. Solvay
 - 9.2.9. Shin-Etsu Chemical Co., Ltd.
 - 9.2.10. Covestro AG

CHAPTER 10. RESEARCH PROCESS

- 10.1. Research Process
 - 10.1.1. Data Mining
 - 10.1.2. Analysis
 - 10.1.3. Market Estimation
 - 10.1.4. Validation
 - 10.1.5. Publishing
- 10.2. Research Attributes
- 10.3. Research Assumption

List Of Tables

LIST OF TABLES

TABLE 1. Global Electronic Chemicals & Materials Market, report scope

TABLE 2. Global Electronic Chemicals & Materials Market estimates & forecasts by Region 2019-2029 (USD Billion)

TABLE 3. Global Electronic Chemicals & Materials Market estimates & forecasts by Type 2019-2029 (USD Billion)

TABLE 4. Global Electronic Chemicals & Materials Market estimates & forecasts by Application 2019-2029 (USD Billion)

TABLE 5. Global Electronic Chemicals & Materials Market by segment, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 6. Global Electronic Chemicals & Materials Market by region, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 7. Global Electronic Chemicals & Materials Market by segment, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 8. Global Electronic Chemicals & Materials Market by region, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 9. Global Electronic Chemicals & Materials Market by segment, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 10. Global Electronic Chemicals & Materials Market by region, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 11. Global Electronic Chemicals & Materials Market by segment, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 12. Global Electronic Chemicals & Materials Market by region, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 13. Global Electronic Chemicals & Materials Market by segment, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 14. Global Electronic Chemicals & Materials Market by region, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 15. U.S. Electronic Chemicals & Materials Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 16. U.S. Electronic Chemicals & Materials Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 17. U.S. Electronic Chemicals & Materials Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 18. Canada Electronic Chemicals & Materials Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 19. Canada Electronic Chemicals & Materials Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 20. Canada Electronic Chemicals & Materials Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 21. UK Electronic Chemicals & Materials Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 22. UK Electronic Chemicals & Materials Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 23. UK Electronic Chemicals & Materials Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 24. Germany Electronic Chemicals & Materials Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 25. Germany Electronic Chemicals & Materials Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 26. Germany Electronic Chemicals & Materials Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 27. France Electronic Chemicals & Materials Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 28. France Electronic Chemicals & Materials Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 29. France Electronic Chemicals & Materials Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 30. Italy Electronic Chemicals & Materials Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 31. Italy Electronic Chemicals & Materials Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 32. Italy Electronic Chemicals & Materials Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 33. Spain Electronic Chemicals & Materials Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 34. Spain Electronic Chemicals & Materials Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 35. Spain Electronic Chemicals & Materials Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 36. RoE Electronic Chemicals & Materials Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 37. RoE Electronic Chemicals & Materials Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 38. RoE Electronic Chemicals & Materials Market estimates & forecasts by

segment 2019-2029 (USD Billion)

TABLE 39. China Electronic Chemicals & Materials Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 40. China Electronic Chemicals & Materials Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 41. China Electronic Chemicals & Materials Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 42. India Electronic Chemicals & Materials Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 43. India Electronic Chemicals & Materials Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 44. India Electronic Chemicals & Materials Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 45. Japan Electronic Chemicals & Materials Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 46. Japan Electronic Chemicals & Materials Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 47. Japan Electronic Chemicals & Materials Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 48. South Korea Electronic Chemicals & Materials Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 49. South Korea Electronic Chemicals & Materials Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 50. South Korea Electronic Chemicals & Materials Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 51. Australia Electronic Chemicals & Materials Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 52. Australia Electronic Chemicals & Materials Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 53. Australia Electronic Chemicals & Materials Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 54. RoAPAC Electronic Chemicals & Materials Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 55. RoAPAC Electronic Chemicals & Materials Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 56. RoAPAC Electronic Chemicals & Materials Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 57. Brazil Electronic Chemicals & Materials Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 58. Brazil Electronic Chemicals & Materials Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 59. Brazil Electronic Chemicals & Materials Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 60. Mexico Electronic Chemicals & Materials Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 61. Mexico Electronic Chemicals & Materials Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 62. Mexico Electronic Chemicals & Materials Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 63. RoLA Electronic Chemicals & Materials Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 64. RoLA Electronic Chemicals & Materials Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 65. RoLA Electronic Chemicals & Materials Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 66. Row Electronic Chemicals & Materials Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 67. Row Electronic Chemicals & Materials Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 68. Row Electronic Chemicals & Materials Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 69. List of secondary sources, used in the study of global Electronic Chemicals & Materials Market

TABLE 70. List of primary sources, used in the study of global Electronic Chemicals & Materials Market

TABLE 71. Years considered for the study

TABLE 72. Exchange rates considered

List of tables and figures and dummy in nature, final lists may vary in the final deliverable

List Of Figures

LIST OF FIGURES

- FIG 1. Global Electronic Chemicals & Materials Market, research methodology
 - FIG 2. Global Electronic Chemicals & Materials Market, Market estimation techniques
 - FIG 3. Global Market size estimates & forecast methods
 - FIG 4. Global Electronic Chemicals & Materials Market, key trends 2021
 - FIG 5. Global Electronic Chemicals & Materials Market, growth prospects 2022-2029
 - FIG 6. Global Electronic Chemicals & Materials Market, porters 5 force model
 - FIG 7. Global Electronic Chemicals & Materials Market, pest analysis
 - FIG 8. Global Electronic Chemicals & Materials Market, value chain analysis
 - FIG 9. Global Electronic Chemicals & Materials Market by segment, 2019 & 2029 (USD Billion)
 - FIG 10. Global Electronic Chemicals & Materials Market by segment, 2019 & 2029 (USD Billion)
 - FIG 11. Global Electronic Chemicals & Materials Market by segment, 2019 & 2029 (USD Billion)
 - FIG 12. Global Electronic Chemicals & Materials Market by segment, 2019 & 2029 (USD Billion)
 - FIG 13. Global Electronic Chemicals & Materials Market by segment, 2019 & 2029 (USD Billion)
 - FIG 14. Global Electronic Chemicals & Materials Market, regional snapshot 2019 & 2029
 - FIG 15. North America Electronic Chemicals & Materials Market 2019 & 2029 (USD Billion)
 - FIG 16. Europe Electronic Chemicals & Materials Market 2019 & 2029 (USD Billion)
 - FIG 17. Asia pacific Electronic Chemicals & Materials Market 2019 & 2029 (USD Billion)
 - FIG 18. Latin America Electronic Chemicals & Materials Market 2019 & 2029 (USD Billion)
 - FIG 19. Global Electronic Chemicals & Materials Market, company Market share analysis (2021)
- List of tables and figures and dummy in nature, final lists may vary in the final deliverable

I would like to order

Product name: Global Electronic Chemicals & Materials Market Size study & Forecast, by Type (Silicon Wafers, PCB Laminates, Specialty Gases, Wet Chemicals, Photoresist Chemicals, Others), by Application (Semiconductors and Others), and Regional Analysis, 2022-2029

Product link: <https://marketpublishers.com/r/G5CB8D6F37E4EN.html>

Price: US\$ 4,950.00 (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/G5CB8D6F37E4EN.html>

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

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

****All fields are required**

Customer signature _____

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

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970