

# **Europe Semiconductor Chemicals Market Size study, by Type (High-performance Polymers, Acid & Base Chemicals, Adhesives, Solvents, Others) by End-use (Integrated Circuits, Discrete Semiconductor, Optoelectronics, Sensors) and Country Forecasts 2022-2032**

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## **Abstracts**

Europe Semiconductor Chemicals Market is valued approximately USD 2.97 Billion in 2023 and is anticipated to grow with a healthy growth rate of more than 11.95% over the forecast period 2024-2032. Semiconductor chemicals, crucial components within the semiconductor manufacturing industry, play an indispensable role in the fabrication processes of electronic devices. These chemicals are meticulously engineered to meet exacting purity and performance standards essential for semiconductor production. Semiconductor chemicals encompass a diverse array of substances, including acids, solvents, gases, and dopants, each tailored to fulfill specific functions throughout the semiconductor fabrication process. They are instrumental in tasks such as cleaning, etching, deposition, and polishing, ensuring precise manufacturing and the creation of defect-free semiconductor components. The semiconductor industry is moving towards smaller feature sizes and finer structures to increase device performance and packing density. This trend requires precise control over material deposition, etching, and cleaning processes, driving the demand for high-purity semiconductor chemicals.

The growing demand for electronic devices across various industries, including consumer electronics, automotive, and healthcare, is driving the expansion of the semiconductor industry in Europe. This, in turn, increases the demand for semiconductor chemicals used in semiconductor fabrication processes. There is a growing emphasis on environmentally sustainable manufacturing practices in Europe.

Chemical manufacturers are developing eco-friendly alternatives and implementing green chemistry principles to reduce the environmental impact of semiconductor manufacturing, driving the adoption of sustainable semiconductor chemicals. Furthermore Europe Semiconductor Chemicals Market is driven by expansion of semiconductor manufacturing facilities and increased demand for electronic devices. However, high research and development costs , on the other hand, would stifle market growth between 2022 and 2032.

The key countries considered for the Europe Semiconductor Chemicals market study includes UK, Germany, France, Italy, Spain, and Rest of Europe. In 2023, Germany was the largest market in terms of revenue. In its long-term strategy, Germany's position as a global leader in semiconductor manufacturing and technology innovation contributes significantly to market growth. The country boasts a strong industrial base and a highly skilled workforce, providing a conducive environment for semiconductor companies to thrive. Additionally, Germany's emphasis on research and development (R&D) and technological advancements fosters innovation in semiconductor manufacturing processes, driving the demand for specialized chemicals used in these processes. Moreover, the country's stringent quality standards and commitment to environmental sustainability drive the adoption of high-quality and eco-friendly semiconductor chemicals. Furthermore, Germany's strategic location in the heart of Europe and its well-developed infrastructure facilitate efficient supply chain management and logistics, supporting the growth of the semiconductor chemicals market. The market in UK, on the other hand, is expected to develop at the fastest rate over the forecast period.

Major market player included in this report are:

Linde plc

Merck Group

BASF SE

Wacker Chemie AG

Solvay S.A.

Arkema S.A.

Evonik Industries AG

Air Liquide S.A.

Umicore N.V.

Covestro AG

The detailed segments and sub-segment of the market are explained below:

By Type

High-performance Polymers  
Acid & Base Chemicals  
Adhesives  
Solvents  
Others

By End Use  
Integrated Circuits  
Discrete Semiconductor  
Optoelectronics  
Sensors

By Region:  
Europe  
UK  
Germany  
France  
Spain  
Italy  
ROE

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and Country level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market

## Contents

### **CHAPTER 1. EUROPE SEMICONDUCTOR CHEMICALS MARKET DEFINITION AND RESEARCH ASSUMPTIONS**

- 1.1. Research Objective
- 1.2. Market Definition
- 1.3. Research Assumptions
  - 1.3.1. Inclusion & Exclusion
  - 1.3.2. Limitations
  - 1.3.3. Supply Side Analysis
    - 1.3.3.1. Availability
    - 1.3.3.2. Infrastructure
    - 1.3.3.3. Regulatory Environment
    - 1.3.3.4. Market Competition
    - 1.3.3.5. Economic Viability (Consumer's Perspective)
  - 1.3.4. Demand Side Analysis
    - 1.3.4.1. Regulatory frameworks
    - 1.3.4.2. Technological Advancements
    - 1.3.4.3. Environmental Considerations
    - 1.3.4.4. Consumer Awareness & Acceptance
- 1.4. Estimation Methodology
- 1.5. Years Considered for the Study
- 1.6. Currency Conversion Rates

### **CHAPTER 2. EXECUTIVE SUMMARY**

- 2.1. Europe Semiconductor Chemicals Market Size & Forecast (2022- 2032)
- 2.2. Regional Summary
- 2.3. Segmental Summary
  - 2.3.1. By Type
  - 2.3.2. By End-use
  - 2.3.3. Key Trends
- 2.4. Recession Impact
- 2.5. Analyst Recommendation & Conclusion

### **CHAPTER 3. EUROPE SEMICONDUCTOR CHEMICALS MARKET DYNAMICS**

- 3.1. Market Drivers

- 3.2. Market Challenges
- 3.3. Market Opportunities

## **CHAPTER 4. EUROPE SEMICONDUCTOR CHEMICALS MARKET 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
  - 4.1.6. Futuristic Approach to Porter's 5 Force Model
  - 4.1.7. Porter's 5 Force Impact Analysis
- 4.2. PESTEL Analysis
  - 4.2.1. Political
  - 4.2.2. Economical
  - 4.2.3. Social
  - 4.2.4. Technological
  - 4.2.5. Environmental
  - 4.2.6. Legal
- 4.3. Top investment opportunity
- 4.4. Top winning strategies
- 4.5. Disruptive Trends
- 4.6. Industry Expert Perspective
- 4.7. Analyst Recommendation & Conclusion

## **CHAPTER 5. EUROPE SEMICONDUCTOR CHEMICALS MARKET SIZE & FORECASTS BY TYPE 2022-2032**

- 5.1. High-performance Polymers
- 5.2. Acid & Base Chemicals
- 5.3. Adhesives
- 5.4. Solvents
- 5.5. Others

## **CHAPTER 6. EUROPE SEMICONDUCTOR CHEMICALS MARKET SIZE & FORECASTS BY END-USE 2022-2032**

- 6.1. Integrated Circuits
- 6.2. Discrete Semiconductor
- 6.3. Optoelectronics
- 6.4. Sensors

## **CHAPTER 7. EUROPE SEMICONDUCTOR CHEMICALS MARKET SIZE & FORECASTS BY COUNTRY 2022-2032**

- 7.1. U.K. Semiconductor Chemicals Market
  - 7.1.1. Type breakdown size & forecasts, 2022-2032
  - 7.1.2. End-use breakdown size & forecasts, 2022-2032
- 7.2. Germany Semiconductor Chemicals Market
- 7.3. France Semiconductor Chemicals Market
- 7.4. Spain Semiconductor Chemicals Market
- 7.5. Italy Semiconductor Chemicals Market
- 7.6. Rest of Europe Semiconductor Chemicals Market

## **CHAPTER 8. COMPETITIVE INTELLIGENCE**

- 8.1. Key Company SWOT Analysis
  - 8.1.1. Company
  - 8.1.2. Company
  - 8.1.3. Company
- 8.2. Top Market Strategies
- 8.3. Company Profiles
  - 8.3.1. Linde plc
    - 8.3.1.1. Key Information
    - 8.3.1.2. Overview
    - 8.3.1.3. Financial (Subject to Data Availability)
    - 8.3.1.4. Product Summary
    - 8.3.1.5. Market Strategies
  - 8.3.2. Merck Group
  - 8.3.3. BASF SE
  - 8.3.4. Wacker Chemie AG
  - 8.3.5. Solvay S.A.
  - 8.3.6. Arkema S.A.
  - 8.3.7. Evonik Industries AG
  - 8.3.8. Air Liquide S.A.
  - 8.3.9. Umicore N.V.

8.3.10. Covestro AG

## **CHAPTER 9. RESEARCH PROCESS**

9.1. Research Process

9.1.1. Data Mining

9.1.2. Analysis

9.1.3. Market Estimation

9.1.4. Validation

9.1.5. Publishing

9.2. Research Attributes

## List Of Tables

### LIST OF TABLES

TABLE 1. Europe Semiconductor Chemicals market, report scope

TABLE 2. Europe Semiconductor Chemicals market estimates & forecasts by Country 2022-2032 (USD Billion)

TABLE 3. Europe Semiconductor Chemicals market estimates & forecasts by Type 2022-2032 (USD Billion)

TABLE 4. Europe Semiconductor Chemicals market estimates & forecasts by End Use 2022-2032 (USD Billion)

TABLE 5. Europe Semiconductor Chemicals market by segment, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 6. Europe Semiconductor Chemicals market by country, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 7. Europe Semiconductor Chemicals market by segment, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 8. Europe Semiconductor Chemicals market by country, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 9. Europe Semiconductor Chemicals market by segment, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 10. Europe Semiconductor Chemicals market by country, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 11. Europe Semiconductor Chemicals market by segment, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 12. Europe Semiconductor Chemicals market by country, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 13. Europe Semiconductor Chemicals market by segment, estimates & forecasts, 2022-2032 (USD Billion) Europe Semiconductor Chemicals market by country, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 14. UK Semiconductor Chemicals market estimates & forecasts, 2022-2032 (USD Billion)

TABLE 15. UK Semiconductor Chemicals market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 16. UK Semiconductor Chemicals market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 17. Germany Semiconductor Chemicals market estimates & forecasts, 2022-2032 (USD Billion)

TABLE 18. Germany Semiconductor Chemicals market estimates & forecasts by



segment 2022-2032 (USD Billion)

TABLE 19. Germany Semiconductor Chemicals market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 20. France Semiconductor Chemicals market estimates & forecasts, 2022-2032 (USD Billion)

TABLE 21. France Semiconductor Chemicals market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 22. France Semiconductor Chemicals market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 23. Italy Semiconductor Chemicals market estimates & forecasts, 2022-2032 (USD Billion)

TABLE 24. Italy Semiconductor Chemicals market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 25. Italy Semiconductor Chemicals market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 26. Spain Semiconductor Chemicals market estimates & forecasts, 2022-2032 (USD Billion)

TABLE 27. Spain Semiconductor Chemicals market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 28. Spain Semiconductor Chemicals market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 29. RoE Semiconductor Chemicals market estimates & forecasts, 2022-2032 (USD Billion)

TABLE 30. RoE Semiconductor Chemicals market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 31. RoE Semiconductor Chemicals market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 32. List of secondary sources, used in the study of Europe Semiconductor Chemicals Market.

TABLE 33. List of primary sources, used in the study of Europe Semiconductor Chemicals Market.

TABLE 34. Years considered for the study.

TABLE 35. Exchange rates considered

## List Of Figures

### LIST OF FIGURES

- FIG 1. Europe Semiconductor Chemicals market, research methodology
- FIG 2. Europe Semiconductor Chemicals market, market estimation techniques
- FIG 3. Europe market size estimates & forecast methods.
- FIG 4. Europe Semiconductor Chemicals market, key trends 2023
- FIG 5. Europe Semiconductor Chemicals market, growth prospects 2022-2032
- FIG 6. Europe Semiconductor Chemicals market, porters 5 force model
- FIG 7. Europe Semiconductor Chemicals market, pestel analysis
- FIG 8. Europe Semiconductor Chemicals market, value chain analysis
- FIG 9. Europe Semiconductor Chemicals market by segment, 2022 & 2032 (USD Billion)
- FIG 10. Europe Semiconductor Chemicals market by segment, 2022 & 2032 (USD Billion)
- FIG 11. Europe Semiconductor Chemicals market by segment, 2022 & 2032 (USD Billion)
- FIG 12. Europe Semiconductor Chemicals market by segment, 2022 & 2032 (USD Billion)
- FIG 13. Europe Semiconductor Chemicals market by segment, 2022 & 2032 (USD Billion)
- FIG 14. Europe Semiconductor Chemicals market, Country snapshot 2022 & 2032
- FIG 15. Europe Semiconductor Chemicals market 2022 & 2032 (USD Billion)
- FIG 16. Europe Semiconductor Chemicals market, company market share analysis (2023)

## I would like to order

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