

Semiconductor Chemical Market Type(High Performance Polymers, Acid & Base Chemicals, Adhesives, Solvents), Application(Photoresist, Etching, Deposition, Cleaning), End-Use (Integrated Circuits, Discrete Semiconductor), & Region - Global Forecast to 2028

Market Report | 2023-11-13 | 248 pages | MarketsandMarkets

AVAILABLE LICENSES:

- Single User \$4950.00
- Multi User \$6650.00
- Corporate License \$8150.00
- Enterprise Site License \$10000.00

Report description:

The Semiconductor chemical market size is projected to grow from USD 12.2 billion in 2023 to USD 21.9 billion by 2028, registering a CAGR of 12.3% during the forecast period. including the increasing demand for semiconductors in a wide range of industries, technological advancements in the semiconductor industry, and the growing demand for electronic devices, driving the need for semiconductor chemical market.

"Solvents accounted for the largest share in type segment of semiconductor chemical market in terms of value & volume."

Solvents dominate the market for semiconductor chemicals, mainly because of their important function in several crucial processes involved in semiconductor fabrication. By removing impurities and particles that can jeopardize the integrity of the finished product, these chemicals are vital for assuring the cleanliness and purity of semiconductor components. For this task, solvents, particularly high purity solvents, are essential because even minute impurities can cause flaws. In addition, they are crucial to photolithography procedures, where they aid in the dissolution and removal of photoresists that define the complex circuit designs on semiconductor wafers. Precision in the manufacture of semiconductors depends on their capacity to remove certain materials in a selective manner. Solvents are also important in chemical mechanical polishing (CMP) procedures, which are necessary for planarizing the semiconductor surface and ensuring that various layers adhere properly, thereby reducing defects and enhancing overall chip performance.

"Photoresist accounted for the largest share in application segment of semiconductor chemical market in terms of value & volume."

Photoresists have the biggest market share in the semiconductor chemicals industry due to their critical function in

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

photolithography operations that create and pattern complicated circuits on semiconductor wafers. These materials are critical for transferring detailed designs onto semiconductor surfaces, a critical step in chip production. The capacity to precisely and reliably describe circuit features is critical as semiconductor components continue to reduce in size. Photoresists give the essential level of control and precision to meet the industry's ever-increasing needs for smaller, quicker, and more powerful microchips. Their dominance is further cemented by continual advances in photoresist technology, which allows semiconductor manufacturers to push the frontiers of miniaturization and innovation in the area, making photoresists a cornerstone of the semiconductor chemicals business.

"Integrated circuits end-use accounted for the largest share in application segment of Semiconductor chemical market in terms of value & volume."

Integrated circuits (ICs) have the biggest market share in the semiconductor chemicals industry since they are the essential components of almost all electronic devices, from smartphones and laptops to automobiles and industrial machinery. ICs are the brains of modern technology, processing, storing, and transmitting electronic data. Their vast application in a variety of industries, combined with the continual desire for smaller, more efficient, and more powerful chips, ensures a constant demand for innovative semiconductor production techniques. This demand drives the semiconductor chemicals market, as cutting-edge chemicals and materials are required to build complicated, high-performance ICs, allowing the sector to continue its supremacy.

"Asia -Pacific is the largest market for Semiconductor chemical."

Asia Pacific has the biggest market share in the semiconductor chemicals market. The region has a large number of semiconductor foundries and fabrication facilities, mainly in Taiwan, South Korea, and China. These facilities manufacture a significant share of the world's semiconductor components, positioning Asia Pacific as a prominent player in the sector. The region's expansion is being driven by factors such as skilled labor, access to advanced technology, and cost-effective production, which is attracting big semiconductor businesses and generating a robust ecosystem of suppliers for chemicals, materials, and equipment. This ecosystem, together with the region's concentration on innovation and research, cements Asia Pacific's leadership in the semiconductor chemicals market.

In-depth interviews were conducted with Chief Executive Officers (CEOs), marketing directors, other innovation and technology directors, and executives from various key organizations operating in the semiconductor chemical market, and information was gathered from secondary research to determine and verify the market size of several segments.

-□By Company Type: Tier 1 - 40%, Tier 2 - 30%, and Tier 3 - 30%

-□By Designation: C Level Executives- 20%, Directors - 10%, and Others - 70%

-□By Region: North America - 20%, Europe - 30%, APAC - 30%, Rest of the World- 20%

The Semiconductor chemical market comprises major players such as Tokyo Ohka Kogyo Co., Ltd (Japan), JSR Corp (Japan), BASF SE (Germany), Solvay SA (Belgium), Dow, Inc (US), and others. The study includes in-depth competitive analysis of these key players in the semiconductor chemical market, with their company profiles, recent developments, and key market strategies.

Research Coverage

This report segments the market for semiconductor chemical market on the basis of end-use, type, application, and region, and provides estimations for the overall value of the market across various regions. A detailed analysis of key industry players has been conducted to provide insights into their business overviews, products & services, key strategies, new product launches, expansions, and mergers & acquisition associated with the market for semiconductor chemical market.

Key benefits of buying this report

This research report is focused on various levels of analysis - industry analysis (industry trends), market ranking analysis of top players, and company profiles, which together provide an overall view on the competitive landscape; emerging and high-growth segments of the Semiconductor chemical market; high-growth regions; and market drivers, restraints, opportunities, and challenges.

The report provides insights on the following pointers:

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- Market Penetration: Comprehensive information on the semiconductor chemical market offered by top players in the global semiconductor chemical market.
- Analysis of drivers: (Growth in demand for semiconductor chemicals fueled by industries powered by modern technologies, Technology advancement in electronics industry), restraints (Difficulties associated with managing waste generated by semiconductor chemicals), opportunities (Development of new Semiconductor materials and Increase focus on sustainability), and challenges (Health risks in semiconductor chemicals manufacturing & stringent governmental regulations) influencing the growth of semiconductor chemical market.
- Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product launches in the semiconductor chemical market.
- Market Development: Comprehensive information about lucrative emerging markets - the report analyzes the markets for semiconductor chemical market across regions.
- Market Capacity: Production capacities of companies producing semiconductor chemical are provided wherever available with upcoming capacities for the semiconductor chemical market.
- Competitive Assessment: In-depth assessment of market shares, strategies, products, and manufacturing capabilities of leading players in the semiconductor chemical market.

Table of Contents:

1□INTRODUCTION□	29
1.1□STUDY OBJECTIVES□	29
1.2□MARKET DEFINITION□	29
1.3□INCLUSIONS & EXCLUSIONS□	30
1.4□MARKET SCOPE□	30
FIGURE 1□SEMICONDUCTOR CHEMICALS MARKET SEGMENTATION□	30
1.4.1□REGIONS COVERED□	31
1.4.2□YEARS CONSIDERED□	31
1.5□CURRENCY CONSIDERED□	31
1.6□LIMITATIONS□	32
1.7□UNITS CONSIDERED□	32
1.8□STAKEHOLDERS□	32
1.9□RECESSION IMPACT□	32
2□RESEARCH METHODOLOGY□	33
2.1□RESEARCH DATA□	33
FIGURE 2□SEMICONDUCTOR CHEMICALS MARKET: RESEARCH DESIGN□	33
2.1.1□SECONDARY DATA□	34
2.1.2□PRIMARY DATA□	34
2.1.2.1□Primary data sources□	34
2.1.2.2□Breakdown of primary interviews□	35
2.1.2.3□Key industry insights□	35
2.2□BASE NUMBER CALCULATION□	36
2.2.1□APPROACH 1: SUPPLY-SIDE ANALYSIS□	36
2.2.2□APPROACH 2: DEMAND-SIDE ANALYSIS□	36
2.3□FORECAST NUMBER CALCULATION□	36
2.3.1□SUPPLY SIDE□	36
2.3.2□DEMAND SIDE□	37
2.4□MARKET SIZE ESTIMATION□	37
2.4.1□BOTTOM-UP APPROACH□	37
2.4.2□TOP-DOWN APPROACH□	38

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

2.5 DATA TRIANGULATION 39

FIGURE 3 SEMICONDUCTOR CHEMICALS MARKET: DATA TRIANGULATION 39

2.6 ASSUMPTIONS 40

?

3 EXECUTIVE SUMMARY 41

FIGURE 4 SOLVENTS TYPE TO DOMINATE MARKET BETWEEN 2023 AND 2028 42

FIGURE 5 PHOTORESIST APPLICATION TO DOMINATE MARKET BETWEEN 2023 AND 2028 43

FIGURE 6 INTEGRATED CIRCUITS TO LEAD MARKET DURING FORECAST PERIOD 44

FIGURE 7 ASIA PACIFIC TO DOMINATE MARKET DURING FORECAST PERIOD 45

4 PREMIUM INSIGHTS 46

4.1 ATTRACTIVE OPPORTUNITIES FOR PLAYERS IN SEMICONDUCTOR CHEMICALS MARKET 46

FIGURE 8 GROWING DEMAND FROM ELECTRONIC INDUSTRIES TO DRIVE MARKET 46

4.2 SEMICONDUCTOR CHEMICALS MARKET, BY TYPE 46

FIGURE 9 HIGH-PERFORMANCE POLYMERS TO BE FASTEST-GROWING TYPE DURING FORECAST PERIOD 46

4.3 SEMICONDUCTOR CHEMICALS MARKET, BY KEY COUNTRY 47

FIGURE 10 ASIA PACIFIC TO RECORD FASTEST GROWTH DURING FORECAST PERIOD 47

4.4 SEMICONDUCTOR CHEMICALS MARKET, BY END USE 47

FIGURE 11 INTEGRATED CIRCUITS AND OPTOELECTRONICS TO RECORD FASTEST GROWTH DURING FORECAST PERIOD 47

4.5 SEMICONDUCTOR CHEMICALS MARKET, BY APPLICATION 48

FIGURE 12 PHOTORESIST TO BE FASTEST-GROWING APPLICATION DURING FORECAST PERIOD 48

5 MARKET OVERVIEW 49

5.1 INTRODUCTION 49

5.2 MARKET DYNAMICS 49

FIGURE 13 SEMICONDUCTOR CHEMICALS MARKET: DRIVERS, RESTRAINTS, OPPORTUNITIES AND CHALLENGES 49

5.2.1 DRIVERS 50

5.2.1.1 High demand for semiconductor chemicals due to technological advancements 50

5.2.1.2 Growth of consumer electronics industry 50

5.2.1.3 Fabrication and enhancement of semiconductor materials 51

5.2.2 RESTRAINTS 52

5.2.2.1 Obstacles in managing semiconductor chemical waste 52

5.2.3 OPPORTUNITIES 52

5.2.3.1 Rising demand for cutting-edge semiconductor chemicals 52

5.2.4 CHALLENGES 53

5.2.4.1 Health risks and stringent government regulations 53

5.2.4.2 High manufacturing cost and scarcity of raw materials 54

?

6 INDUSTRY TRENDS 55

6.1 INTRODUCTION 55

6.2 TRENDS/DISRUPTIONS IMPACTING CUSTOMER'S BUSINESS 55

6.2.1 REVENUE SHIFT AND NEW REVENUE POCKETS FOR SEMICONDUCTOR CHEMICAL MANUFACTURERS 55

FIGURE 14 REVENUE SHIFT OF SEMICONDUCTOR CHEMICALS MARKET 56

6.3 PRICING ANALYSIS 56

6.3.1 AVERAGE SELLING PRICE TREND OF KEY PLAYERS, BY TOP 3 APPLICATIONS 56

TABLE 1 AVERAGE SELLING PRICE OF KEY PLAYERS, BY TOP 3 APPLICATIONS (USD/TON) 56

FIGURE 15 AVERAGE SELLING PRICE, BY TOP 3 APPLICATION, 2019-2028 (USD/TON) 57

6.3.2 AVERAGE SELLING PRICE TREND OF KEY PLAYERS, BY TOP3 TYPES 57

TABLE 2 AVERAGE SELLING PRICE TREND OF KEY PLAYERS, BY TOP 3 TYPES (USD/TON) 57

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

FIGURE 16	AVERAGE SELLING PRICE, BY TOP 3 TYPE, 2019-2028 (USD/TON)	58
TABLE 3	AVERAGE SELLING PRICE TREND OF REGION (USD/TON)	58
FIGURE 17	AVERAGE SELLING PRICE, BY REGION, 2019-2028 (USD/TON)	58
6.3.3	AVERAGE SELLING PRICE TREND, BY TYPE, NORTH AMERICA	59
TABLE 4	AVERAGE SELLING PRICE, BY TYPE, NORTH AMERICA, 2019-2028 (USD/TON)	59
6.3.4	AVERAGE SELLING PRICE TREND, BY TYPE, EUROPE	59
TABLE 5	AVERAGE SELLING PRICE, BY TYPE, EUROPE, 2019-2028 (USD/TON)	59
6.3.5	AVERAGE SELLING PRICE TREND, BY TYPE, ASIA PACIFIC	59
TABLE 6	AVERAGE SELLING PRICE, BY TYPE, ASIA PACIFIC, 2019-2028 (USD/TON)	59
6.3.6	AVERAGE SELLING PRICE TREND, BY TYPE, ROW	60
TABLE 7	AVERAGE SELLING PRICE, BY TYPE, REST OF WORLD, 2019-2028 (USD/TON)	60
6.4	VALUE CHAIN ANALYSIS	60
FIGURE 18	VALUE CHAIN ANALYSIS	60
6.4.1	CHEMICAL MANUFACTURERS	61
6.4.2	EQUIPMENT SUPPLIERS	61
6.4.3	RESEARCH & DEVELOPMENT	61
6.4.4	DISTRIBUTORS	62
6.4.5	END USERS	62
6.5	ECOSYSTEM MAP	62
TABLE 8	SEMICONDUCTOR CHEMICALS MARKET: ECOSYSTEM	62
6.6	TECHNOLOGY ANALYSIS	63
TABLE 9	KEY TECHNOLOGIES OFFERED IN SEMICONDUCTOR CHEMICALS MARKET	63
TABLE 10	COMPLEMENTARY TECHNOLOGIES OFFERED IN SEMICONDUCTOR CHEMICALS MARKET	64
TABLE 11	ADJACENT TECHNOLOGIES OFFERED FOR SEMICONDUCTOR CHEMICALS MARKET	64
?		
6.7	PATENT ANALYSIS	65
6.7.1	INTRODUCTION	65
6.7.2	METHODOLOGY	65
6.7.3	DOCUMENT TYPES	65
TABLE 12	PATENT COUNT IN LAST 10 YEARS	65
6.7.3.1	Publication Trends Over Last Ten Years	66
FIGURE 19	NUMBER OF PATENTS GRANTED IN LAST 10 YEARS	66
6.7.4	INSIGHTS	66
6.7.5	LEGAL STATUS	66
6.7.6	JURISDICTION ANALYSIS	67
FIGURE 20	REGIONAL ANALYSIS OF PATENTS GRANTED FOR SEMICONDUCTOR CHEMICALS MARKET, 2022	67
6.7.7	TOP APPLICANTS	67
FIGURE 21	TOP TEN COMPANIES WITH HIGHEST NUMBER OF PATENTS IN LAST TEN YEARS	67
TABLE 13	TOP PATENT OWNERS FOR SEMICONDUCTOR CHEMICALS MARKET	68
6.7.8	MAJOR PATENTS	69
TABLE 14	MAJOR PATENTS FOR SEMICONDUCTOR CHEMICALS MARKET	69
6.8	TRADE ANALYSIS	71
6.8.1	IMPORT SCENARIO	71
FIGURE 22	IMPORT OF SEMICONDUCTOR CHEMICALS, BY COUNTRY, 2019-2022	71
6.8.2	EXPORT SCENARIO	71
FIGURE 23	EXPORT OF SEMICONDUCTOR CHEMICALS, BY COUNTRY, 2019-2022 (USD MILLION)	72
6.9	KEY CONFERENCES & EVENTS IN 2023-2024	72

TABLE 15	SEMICONDUCTOR CHEMICALS MARKET: KEY CONFERENCES & EVENTS, 2023-2024	72
6.10	TARIFF & REGULATORY LANDSCAPE	73
6.10.1	REGULATORY LANDSCAPE	73
6.10.2	IMPACT OF REGULATIONS ACROSS DIFFERENT REGIONS AND COUNTRIES (US, EUROPE, CHINA)	73
6.10.3	CHIPS AND SCIENCE ACT	74
6.10.4	TARIFFS AND TRADE AGREEMENTS	74
6.10.5	SUSTAINABILITY AND ENVIRONMENTAL REGULATIONS (CLEAN AIR ACT)	74
6.10.6	GLOBAL SUPPLY CHAIN DISRUPTION	75
6.10.7	INTELLECTUAL PROPERTY RIGHTS REGULATIONS	76
6.10.8	REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS	76
TABLE 16	NORTH AMERICA: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS	76
TABLE 17	EUROPE: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS	77
TABLE 18	ASIA PACIFIC: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS	78
TABLE 19	MIDDLE EAST & AFRICA: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS	79
TABLE 20	SOUTH AMERICA: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS	80
6.11	PORTER'S FIVE FORCES ANALYSIS	80
TABLE 21	PORTER'S FIVE FORCES IMPACT ON SEMICONDUCTOR CHEMICALS MARKET	80
FIGURE 24	PORTER'S FIVE FORCES ANALYSIS: SEMICONDUCTOR CHEMICALS MARKET	81
6.11.1	THREAT OF NEW ENTRANTS	81
6.11.2	THREAT OF SUBSTITUTES	82
6.11.3	BARGAINING POWER OF SUPPLIERS	82
6.11.4	BARGAINING POWER OF BUYERS	82
6.11.5	INTENSITY OF COMPETITIVE RIVALRY	83
6.12	MACROECONOMIC INDICATOR	83
6.12.1	GDP TRENDS AND FORECAST OF MAJOR ECONOMIES	83
6.13	KEY STAKEHOLDERS AND BUYING CRITERIA	84
6.13.1	KEY STAKEHOLDERS IN BUYING PROCESS	84
FIGURE 25	INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR TOP 5 APPLICATIONS	84
TABLE 23	INFLUENCE OF INSTITUTIONAL BUYERS ON BUYING PROCESS FOR TOP 5 APPLICATIONS	84
6.13.2	BUYING CRITERIA	85
FIGURE 26	KEY BUYING CRITERIA FOR APPLICATION	85
TABLE 24	KEY BUYING CRITERIA FOR APPLICATION	85
6.14	CASE STUDY ANALYSIS	86
6.14.1	CHEMICAL USE AND ASSOCIATED HEALTH CONCERNS IN SEMICONDUCTOR MANUFACTURING INDUSTRY	86
6.14.2	GREEN NANOFABRICATION OPPORTUNITIES IN SEMICONDUCTOR INDUSTRY	87
6.14.3	INTEGRATED MEMBRANE-ABSORPTION SYSTEM AS SUSTAINABLE DEVELOPMENT APPROACH FOR SEMICONDUCTOR-INDUSTRY WASTEWATER TREATMENT	87
6.15	VOLUME DATA	88
TABLE 25	GLOBAL SEMICONDUCTOR CHEMICALS MARKET, BY TYPE, 2019-2028 (KILOTON)	88
TABLE 26	NORTH AMERICA SEMICONDUCTOR CHEMICALS MARKET, BY TYPE, 2019-2028 (KILOTON)	89
TABLE 27	EUROPE SEMICONDUCTOR CHEMICALS MARKET, BY TYPE, 2019-2028 (KILOTON)	89
TABLE 28	ASIA PACIFIC SEMICONDUCTOR CHEMICALS MARKET, BY TYPE, 2019-2028 (KILOTON)	89
TABLE 29	ROW SEMICONDUCTOR CHEMICALS MARKET, BY TYPE, 2019-2028 (KILOTON)	90
?		
7	SEMICONDUCTOR CHEMICALS MARKET, BY TYPE	91
7.1	INTRODUCTION	92
FIGURE 27	SOLVENTS TO DOMINATE MARKET DURING FORECAST PERIOD	92

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

TABLE 30 SEMICONDUCTOR CHEMICALS MARKET, BY TYPE, 2019-2028 (USD MILLION) 93

TABLE 31 SEMICONDUCTOR CHEMICALS MARKET, BY TYPE, 2019-2028 (KILOTON) 93

7.2 HIGH-PERFORMANCE POLYMERS 93

7.2.1 POLYIMIDES 93

7.2.1.1 Exceptional dielectric properties and low thermal coefficient to drive market 93

7.2.2 FLUOROPOLYMERS 94

7.2.2.1 Efficient electric insulation to fuel market 94

7.2.3 POLYETHER ETHER KETONES 94

7.2.3.1 High mechanical strength and stiffness to drive market 94

7.2.4 LIQUID CRYSTAL POLYMERS 94

7.2.4.1 Resistance to temperature and chemicals to drive market 94

7.2.5 POLYPHENYLENE SULFIDE 95

7.2.5.1 Good chemical resistance and thermal stability to drive market 95

7.2.6 OTHER TYPES 95

7.2.6.1 Polyetherimide 95

7.2.6.2 Polyethylene naphthalate 95

7.3 ACID & BASE CHEMICALS 96

7.3.1 HYDROGEN FLUORIDE 96

7.3.1.1 Wide use in etching and cleaning applications to fuel market 96

7.3.2 POTASSIUM HYDROXIDE 96

7.3.2.1 Use in fabrication of precise patterns and wafer cleaning to drive market 96

7.3.3 SODIUM HYDROXIDE 97

7.3.3.1 Wide use in wafer cleaning to boost market 97

7.3.4 TETRAMETHYLAMMONIUM HYDROXIDE 97

7.3.4.1 Use as developer for positive photoresists to drive market 97

7.4 ADHESIVES 97

7.4.1 EPOXY ADHESIVES 97

7.4.1.1 Mechanical resilience and adhesive properties to drive market 97

7.4.2 SILICONE ADHESIVES 98

7.4.2.1 Wide use in sealing and bonding applications to fuel market 98

7.4.3 UV ADHESIVES 98

7.4.3.1 Fast-curing properties to boost market 98

7.4.4 POLYIMIDE ADHESIVES 99

7.4.4.1 High-temperature resistance to boost market 99

?

7.5 SOLVENTS 99

7.5.1 PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE (PGMEA) 99

7.5.1.1 Wide use in manufacture of cleaning agents to drive market 99

7.5.2 CYCLOHEXANONE 100

7.5.2.1 Fast evaporation rate and aromatic odor to fuel market 100

7.5.3 PROPYLENE GLYCOL MONOMETHYL ETHER 101

7.5.3.1 Application in formulation of photoresists to drive market 101

7.5.4 TRICHLOROETHYLENE 101

7.5.4.1 Light sensitivity and effective dissolving properties to drive market 101

7.5.5 ISOPROPYL ALCOHOL 102

7.5.5.1 Effective disinfectant properties to boost market 102

7.5.6 SULFURIC ACID 102

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

7.5.6.1	Wide application in lead-acid batteries to drive market	102
7.5.7	HYDROGEN PEROXIDE	103
7.5.7.1	High oxidative properties to drive market	103
7.5.8	AMMONIUM HYDROXIDE	103
7.5.8.1	Wide use in laboratories and chemical industries to drive market	103
7.5.9	HYDROCHLORIC ACIDS	104
7.5.9.1	Application in photolithography to drive market	104
7.5.10	HYDROFLUORIC ACID	104
7.5.10.1	High corrosiveness and etching properties to drive market	104
7.5.11	NITRIC ACID	105
7.5.11.1	Passivation of silicon wafers and chemical polishing to fuel market	105
7.5.12	PHOSPHORIC ACID	105
7.5.12.1	Deoxidizing and etching properties to fuel market	105
7.5.12.2	Acetone	106
7.5.12.3	Methanol	106
7.6	OTHERS	106
7.6.1	GASES	106
7.6.1.1	Nitrogen	106
7.6.1.2	Oxygen	107
7.6.1.3	Argon	107
7.6.1.4	Hydrogen	108
8	SEMICONDUCTOR CHEMICALS MARKET, BY APPLICATION	109
8.1	INTRODUCTION	110
FIGURE 28 PHOTORESIST TO DOMINATE MARKET DURING FORECAST PERIOD		110
TABLE 32 SEMICONDUCTOR CHEMICALS MARKET, BY APPLICATION, 2019-2028 (USD MILLION)		110
8.2	PHOTORESIST	111
8.2.1	DEMAND FOR INTRICATE DESIGNS AND PATTERNS TO DRIVE MARKET	111
?		
8.3	ETCHING	111
8.3.1	SELECTIVE MATERIAL REMOVAL FROM SEMICONDUCTOR WAFERS TO FUEL MARKET	111
8.4	DEPOSITION	112
8.4.1	EFFICIENT SEMICONDUCTOR FABRICATION TO DRIVE MARKET	112
8.5	CLEANING	113
8.5.1	DEVICE INTEGRITY AND PERFORMANCE IN SEMICONDUCTOR FABRICATION TO FUEL MARKET	113
8.6	DOPING	114
8.6.1	EFFECTIVE FABRICATION OF TRANSISTORS AND INTEGRATED CIRCUITS TO DRIVE MARKET	114
8.7	OTHER APPLICATIONS	114
8.7.1	CHEMICAL MECHANICAL PLANARIZATION	114
8.7.2	PACKAGING	115
9	SEMICONDUCTOR CHEMICALS MARKET, BY END USE	116
9.1	INTRODUCTION	117
FIGURE 29 INTEGRATED CIRCUITS TO DOMINATE MARKET DURING FORECAST PERIOD		117
TABLE 33 SEMICONDUCTOR CHEMICALS MARKET, BY END USE, 2019-2028 (USD MILLION)		117
9.2	INTEGRATED CIRCUITS	118
9.2.1	COMPACT INTEGRATED CIRCUITS AND ADVANCED TECHNOLOGY TO DRIVE MARKET	118
9.2.2	ANALOG	118
9.2.3	MICRO	119

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

9.2.4	LOGIC	119
9.2.5	MEMORY	119
9.3	DISCRETE SEMICONDUCTORS	120
9.3.1	PRESENCE OF SPECIALIZED ELECTRONIC COMPONENTS TO DRIVE MARKET	120
9.4	SENSORS	120
9.4.1	WIDE USE IN AUTOMOBILES AND MEDICAL DEVICES TO DRIVE MARKET	120
9.5	OPTOELECTRONICS	121
9.5.1	HIGH DEMAND FOR OPTOELECTRONIC DEVICES TO DRIVE MARKET	121
10	SEMICONDUCTOR CHEMICALS MARKET, BY REGION	122
10.1	INTRODUCTION	123
	TABLE 34 SEMICONDUCTOR CHEMICALS MARKET, BY REGION, 2019-2028 (USD MILLION)	124
	TABLE 35 SEMICONDUCTOR CHEMICALS MARKET, BY REGION, 2019-2028 (KILOTON)	124
10.2	ASIA PACIFIC	124
	FIGURE 30 ASIA PACIFIC: SEMICONDUCTOR CHEMICALS MARKET SNAPSHOT	125
10.2.1	RECESSION IMPACT	125
	TABLE 36 ASIA PACIFIC: SEMICONDUCTOR CHEMICALS MARKET, BY COUNTRY, 2019-2028 (USD MILLION)	126
	TABLE 37 ASIA PACIFIC: SEMICONDUCTOR CHEMICALS MARKET, BY COUNTRY, 2019-2028, (KILOTON)	126
	TABLE 38 ASIA PACIFIC: SEMICONDUCTOR CHEMICALS MARKET, BY TYPE, 2019-2028 (USD MILLION)	127
	TABLE 39 ASIA-PACIFIC: SEMICONDUCTOR CHEMICALS MARKET, BY TYPE, 2019-2028 (KILOTON)	127
	TABLE 40 ASIA PACIFIC: SEMICONDUCTOR CHEMICALS MARKET, BY APPLICATION, 2019-2028 (USD MILLION)	127
	TABLE 41 ASIA PACIFIC: SEMICONDUCTOR CHEMICALS MARKET, BY END USE, 2019-2028 (USD MILLION)	128
10.2.2	CHINA	128
10.2.2.1	Development of IoT technologies to drive market	128
	TABLE 42 CHINA: SEMICONDUCTOR CHEMICALS MARKET, BY APPLICATION, 2019-2028 (USD MILLION)	129
10.2.3	JAPAN	129
10.2.3.1	Government support and strategic initiatives to fuel market	129
	TABLE 43 JAPAN: SEMICONDUCTOR CHEMICALS MARKET, BY APPLICATION, 2019-2028 (USD MILLION)	130
10.2.4	TAIWAN	130
10.2.4.1	Demand for high-performance chips to drive market	130
	TABLE 44 TAIWAN: SEMICONDUCTOR CHEMICALS MARKET, BY APPLICATION, 2019-2028 (USD MILLION)	131
10.2.5	SOUTH KOREA	131
10.2.5.1	Increasing global demand for electronic devices and advanced technologies to boost market	131
	TABLE 45 SOUTH KOREA: SEMICONDUCTOR CHEMICALS MARKET, BY APPLICATION, 2019-2028 (USD MILLION)	132
10.2.6	MALAYSIA	132
10.2.6.1	Proximity to major Asian markets and global supply chains to drive market	132
	TABLE 46 MALAYSIA: SEMICONDUCTOR CHEMICALS MARKET, BY APPLICATION, 2019-2028 (USD MILLION)	133
10.2.7	VIETNAM	133
10.2.7.1	Strategic geographical location and increasing demand for semiconductor chemicals to fuel market	133
	TABLE 47 VIETNAM: SEMICONDUCTOR CHEMICALS MARKET, BY APPLICATION, 2019-2028 (USD MILLION)	134
10.2.8	REST OF ASIA PACIFIC	134
	TABLE 48 REST OF ASIA PACIFIC: SEMICONDUCTOR CHEMICALS MARKET, BY APPLICATION, 2019-2028 (USD MILLION)	135
10.3	EUROPE	135
	FIGURE 31 EUROPE: SEMICONDUCTOR CHEMICALS MARKET SNAPSHOT	136
10.3.1	RECESSION IMPACT	137
	TABLE 49 EUROPE: SEMICONDUCTOR CHEMICALS MARKET, BY COUNTRY, 2019-2028 (USD MILLION)	137
	TABLE 50 EUROPE: SEMICONDUCTOR CHEMICALS MARKET, BY COUNTRY, 2019-2028 (KILOTON)	138
	TABLE 51 EUROPE: SEMICONDUCTOR CHEMICALS MARKET, BY TYPE, 2019-2028 (USD MILLION)	138

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

TABLE 52	EUROPE: SEMICONDUCTOR CHEMICALS MARKET, BY TYPE, 2019-2028 (KILOTON)	138
TABLE 53	EUROPE: SEMICONDUCTOR CHEMICALS MARKET, BY APPLICATION, 2019-2028 (USD MILLION)	139
TABLE 54	EUROPE: SEMICONDUCTOR CHEMICALS MARKET, BY END USE, 2019-2028 (USD MILLION)	139
10.3.2	GERMANY	139
10.3.2.1	Rising demand for green chemistries to drive market	139
TABLE 55	GERMANY: SEMICONDUCTOR CHEMICALS MARKET, BY APPLICATION, 2019-2028 (USD MILLION)	140
10.3.3	NETHERLANDS	140
10.3.3.1	Increase in semiconductor exports to drive market	140
TABLE 56	NETHERLANDS: SEMICONDUCTOR CHEMICALS MARKET, BY APPLICATION, 2019-2028 (USD MILLION)	141
10.3.4	IRELAND	141
10.3.4.1	Growth of manufacturing companies to drive market	141
TABLE 57	IRELAND: SEMICONDUCTOR CHEMICALS MARKET, BY APPLICATION, 2019-2028 (USD MILLION)	142
10.3.5	UK	142
10.3.5.1	Focus on research and development and government initiatives to drive market	142
TABLE 58	UK: SEMICONDUCTOR CHEMICALS MARKET, BY APPLICATION, 2019-2028 (USD MILLION)	143
10.3.6	ISRAEL	143
10.3.6.1	Proactive government policies and skilled workforce to fuel market	143
TABLE 59	ISRAEL: SEMICONDUCTOR CHEMICALS MARKET, BY APPLICATION, 2019-2028 (USD MILLION)	144
10.3.7	REST OF EUROPE	144
TABLE 60	REST OF EUROPE: SEMICONDUCTOR CHEMICALS MARKET, BY APPLICATION, 2019-2028 (USD MILLION)	145
10.4	NORTH AMERICA	145
FIGURE 32	NORTH AMERICA: SEMICONDUCTOR CHEMICALS MARKET SNAPSHOT	146
10.4.1	RECESSION IMPACT	146
TABLE 61	NORTH AMERICA: SEMICONDUCTOR CHEMICALS MARKET, BY COUNTRY, 2019-2028 (USD MILLION)	147
TABLE 62	NORTH AMERICA: SEMICONDUCTOR CHEMICALS MARKET, BY COUNTRY, 2019-2028 (KILOTON)	147
TABLE 63	NORTH AMERICA: SEMICONDUCTOR CHEMICALS MARKET, BY TYPE, 2019-2028 (USD MILLION)	147
TABLE 64	NORTH AMERICA: SEMICONDUCTOR CHEMICALS MARKET, BY TYPE, 2019-2028 (KILOTON)	148
TABLE 65	NORTH AMERICA: SEMICONDUCTOR CHEMICALS MARKET, BY APPLICATION, 2019-2028 (USD MILLION)	148
TABLE 66	NORTH AMERICA: SEMICONDUCTOR CHEMICALS MARKET, BY END-USE, 2019-2028 (USD MILLION)	148
10.4.2	US	149
10.4.2.1	Rising demand for green chemicals to drive market	149
TABLE 67	US: SEMICONDUCTOR CHEMICALS MARKET, BY APPLICATION, 2019-2028 (USD MILLION)	150
10.4.3	CANADA	150
10.4.3.1	Government support and increasing investments to drive market	150
TABLE 68	CANADA: SEMICONDUCTOR CHEMICALS MARKET, BY APPLICATION, 2019-2028 (USD MILLION)	151
10.4.4	MEXICO	151
10.4.4.1	Rising demand for semiconductor chemicals from data center industries to drive market	151
TABLE 69	MEXICO: SEMICONDUCTOR CHEMICALS MARKET, BY APPLICATION, 2019-2028 (USD MILLION)	152
10.5	ROW	152
10.5.1	RECESSION IMPACT	152
TABLE 70	ROW: SEMICONDUCTOR CHEMICALS MARKET, BY COUNTRY, 2019-2028 (USD MILLION)	153
TABLE 71	ROW: SEMICONDUCTOR CHEMICALS MARKET, BY COUNTRY, 2019-2028 (KILOTON)	153
TABLE 72	ROW: SEMICONDUCTOR CHEMICALS MARKET, BY TYPE, 2019-2028 (USD MILLION)	153
TABLE 73	ROW: SEMICONDUCTOR CHEMICALS MARKET, BY TYPE, 2019-2028 (KILOTON)	154
TABLE 74	ROW: SEMICONDUCTOR CHEMICALS MARKET, BY APPLICATION, 2019-2028 (USD MILLION)	154
TABLE 75	ROW: SEMICONDUCTOR CHEMICALS MARKET, BY END USE, 2019-2028 (USD MILLION)	154
10.5.2	BRAZIL	155

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

10.5.2.1	High demand for semiconductors from automotive industries to drive market	155
TABLE 76	BRAZIL: SEMICONDUCTOR CHEMICALS MARKET, BY APPLICATION, 2019-2028 (USD MILLION)	155
10.5.3	SOUTH AFRICA	155
10.5.3.1	Mineral-rich economy to drive market	155
TABLE 77	SOUTH AFRICA: SEMICONDUCTOR CHEMICALS MARKET, BY APPLICATION, 2019-2028 (USD MILLION)	156
10.5.4	REST OF ROW	156
TABLE 78	REST OF ROW: SEMICONDUCTOR CHEMICALS MARKET, BY APPLICATION, 2019-2028 (USD MILLION)	157
11	COMPETITIVE LANDSCAPE	158
11.1	KEY STRENGTHS	158
11.2	STRATEGIES ADOPTED BY KEY PLAYERS	158
11.2.1	OVERVIEW OF STRATEGIES ADOPTED BY KEY SEMICONDUCTOR CHEMICAL MANUFACTURERS	158
?		
11.3	MARKET SHARE ANALYSIS	160
11.3.1	RANKING OF KEY MARKET PLAYERS, 2022	160
FIGURE 33	RANKING OF TOP FIVE PLAYERS, 2022	160
11.3.2	MARKET SHARE OF KEY PLAYERS	160
TABLE 79	SEMICONDUCTOR CHEMICALS: DEGREE OF COMPETITION	161
FIGURE 34	SEMICONDUCTOR CHEMICALS MARKET IN 2022	161
11.3.2.1	SK Inc.	161
11.3.2.2	FUJIFILM Holdings Corporation	161
11.3.2.3	Honeywell International Inc.	162
11.3.2.4	BASF SE	162
11.3.2.5	Tokyo Ohka Kogyo Co., Ltd.	162
11.4	REVENUE ANALYSIS	162
FIGURE 35	REVENUE ANALYSIS OF KEY PLAYERS, 2020-2024	162
11.5	COMPANY EVALUATION MATRIX	163
11.5.1	STARS	163
11.5.2	EMERGING LEADERS	163
11.5.3	PERVASIVE PLAYERS	163
11.5.4	PARTICIPANTS	163
FIGURE 36	SEMICONDUCTOR CHEMICALS MARKET: COMPANY EVALUATION MATRIX, 2022	164
11.5.5	COMPANY FOOTPRINT ANALYSIS	165
TABLE 80	SEMICONDUCTOR CHEMICALS MARKET: KEY COMPANY APPLICATION FOOTPRINT	165
TABLE 81	SEMICONDUCTOR CHEMICALS MARKET: KEY COMPANY TYPE FOOTPRINT	165
TABLE 82	SEMICONDUCTOR CHEMICALS MARKET: KEY COMPANY END USE FOOTPRINT	166
TABLE 83	SEMICONDUCTOR CHEMICALS MARKET: KEY COMPANY REGION FOOTPRINT	167
11.6	STARTUP/SME EVALUATION MATRIX	167
11.6.1	PROGRESSIVE COMPANIES	167
11.6.2	RESPONSIVE COMPANIES	167
11.6.3	DYNAMIC COMPANIES	168
11.6.4	STARTING BLOCKS	168
FIGURE 37	SEMICONDUCTOR CHEMICALS MARKET: STARTUP/SME COMPANY EVALUATION MATRIX, 2022	168
11.6.5	COMPETITIVE BENCHMARKING	169
TABLE 84	SEMICONDUCTOR CHEMICALS MARKET: KEY STARTUPS/SMES	169
11.6.5.1	Semiconductor Chemicals Market: Competitive Benchmarking of Key Start-ups/SMES	170
TABLE 85	SME PLAYERS APPLICATION FOOTPRINT	170
TABLE 86	SME PLAYERS TYPE FOOTPRINT	171

TABLE 87	SME PLAYERS END USE FOOTPRINT	171
TABLE 88	SEMICONDUCTOR CHEMICALS MARKET: SME PLAYER REGION FOOTPRINT	172
?		
11.7	COMPETITIVE SCENARIOS AND TRENDS	173
11.7.1	PRODUCT LAUNCHES	173
TABLE 89	SEMICONDUCTOR CHEMICALS MARKET: PRODUCT LAUNCHES (2021-2022)	173
11.7.2	DEALS	173
TABLE 90	SEMICONDUCTOR CHEMICALS MARKET: DEALS (2020-2023)	173
11.7.3	OTHER DEVELOPMENTS	180
TABLE 91	SEMICONDUCTOR CHEMICALS MARKET: OTHER DEVELOPMENTS (2021-2023)	180
12	COMPANY PROFILES	185
(Business overview, Products/Solutions/Services offered, Recent Developments, MNM view)*		
12.1	KEY PLAYERS	185
12.1.1	TOKYO OHKA KOGYO CO., LTD.	185
TABLE 92	TOKYO OHKA KOGYO CO., LTD.: COMPANY OVERVIEW	185
FIGURE 38	TOKYO OHKA KOGYO CO., LTD.: COMPANY SNAPSHOT	186
TABLE 93	TOKYO OHKA KOGYO CO., LTD.: PRODUCTS/SERVICES/SOLUTIONS OFFERED	186
TABLE 94	TOKYO OHKA KOGYO CO., LTD.: DEALS	187
TABLE 95	TOKYO OHKA KOGYO CO., LTD.: OTHERS	188
12.1.2	JSR CORPORATION	190
TABLE 96	JSR CORPORATION: COMPANY OVERVIEW	190
FIGURE 39	JSR CORPORATION: COMPANY SNAPSHOT	191
TABLE 97	JSR CORPORATION: PRODUCTS/SOLUTIONS/SERVICES OFFERED	191
TABLE 98	JSR CORPORATION: DEALS	192
TABLE 99	JSR CORPORATION: OTHERS	193
12.1.3	BASF SE	195
TABLE 100	BASF SE: COMPANY OVERVIEW	195
FIGURE 40	BASF SE: COMPANY SNAPSHOT	196
TABLE 101	BASF SE: PRODUCTS/SERVICES/SOLUTIONS OFFERED	196
TABLE 102	BASF SE: DEALS	197
TABLE 103	BASF SE: OTHERS	198
12.1.4	SOLVAY SA	199
TABLE 104	SOLVAY SA: COMPANY OVERVIEW	199
FIGURE 41	SOLVAY SA: COMPANY SNAPSHOT	200
TABLE 105	SOLVAY SA: PRODUCTS/SERVICES/SOLUTIONS OFFERED	200
TABLE 106	SOLVAY SA: PRODUCT LAUNCHES	201
TABLE 107	SOLVAY SA: DEALS	201
TABLE 108	SOLVAY SA: OTHERS	203
12.1.5	DOW	205
TABLE 109	DOW INC.: COMPANY OVERVIEW	205
FIGURE 42	DOW INC.: COMPANY SNAPSHOT	205
TABLE 110	DOW INC.: PRODUCTS/SERVICES/SOLUTIONS OFFERED	206
?		
12.1.6	HONEYWELL INTERNATIONAL INC.	208
TABLE 111	HONEYWELL INTERNATIONAL INC.: COMPANY OVERVIEW	208
FIGURE 43	HONEYWELL INTERNATIONAL INC.: COMPANY SNAPSHOT	209
TABLE 112	HONEYWELL INTERNATIONAL INC.: PRODUCTS/SERVICES/SOLUTIONS OFFERED	209

TABLE 113	HONEYWELL INTERNATIONAL INC.: DEALS	210
12.1.7	FUJIFILM HOLDINGS CORPORATION	212
TABLE 114	FUJIFILM HOLDINGS CORPORATION: COMPANY OVERVIEW	212
FIGURE 44	FUJIFILM HOLDINGS CORPORATION: COMPANY SNAPSHOT	213
TABLE 115	FUJIFILM HOLDINGS CORPORATION: PRODUCTS/SERVICES/SOLUTIONS OFFERED	213
TABLE 116	FUJIFILM HOLDINGS CORPORATION: DEALS	214
TABLE 117	FUJIFILM HOLDINGS CORPORATION: OTHERS	214
12.1.8	EASTMAN CHEMICAL COMPANY	216
TABLE 118	EASTMAN CHEMICAL COMPANY: COMPANY OVERVIEW	216
FIGURE 45	EASTMAN CHEMICAL COMPANY: COMPANY SNAPSHOT	217
TABLE 119	EASTMAN CHEMICAL COMPANY: PRODUCTS/SERVICES/SOLUTIONS OFFERED	217
12.1.9	MERCK KGAA (EMD ELECTRONICS)	219
TABLE 120	MERCK KGAA: COMPANY OVERVIEW	219
FIGURE 46	MERCK KGAA: COMPANY SNAPSHOT	220
TABLE 121	MERCK KGAA: PRODUCTS/SERVICES/SOLUTIONS OFFERED	220
TABLE 122	MERCK KGAA: PRODUCT LAUNCHES	221
TABLE 123	MERCK KGAA: DEALS	222
TABLE 124	MERCK KGAA: OTHERS	222
12.1.10	SUMITOMO CHEMICAL CO., LTD.	225
TABLE 125	SUMITOMO CHEMICAL CO., LTD.: COMPANY OVERVIEW	225
FIGURE 47	SUMITOMO CHEMICAL CO., LTD.: COMPANY SNAPSHOT	226
TABLE 126	SUMITOMO CHEMICAL CO., LTD.: PRODUCTS/SERVICES/SOLUTIONS OFFERED	226
TABLE 127	SUMITOMO CHEMICAL CO., LTD.: DEALS	227
TABLE 128	SUMITOMO CHEMICAL CO., LTD.: OTHERS	227
12.1.11	SK INC.	229
TABLE 129	SK INC.: COMPANY OVERVIEW	229
FIGURE 48	SK INC.: COMPANY SNAPSHOT	230
TABLE 130	SK INC.: PRODUCTS/SERVICES/SOLUTIONS OFFERED	230
TABLE 131	SK INC.: DEALS	231
TABLE 132	SK INC.: OTHERS	232
12.1.12	DUPONT DE NEMOURS, INC.	233
TABLE 133	DUPONT DE NEMOURS, INC.: COMPANY OVERVIEW	233
FIGURE 49	DUPONT DE NEMOURS INC.: COMPANY SNAPSHOT	234
TABLE 134	DUPONT DE NEMOURS INC.: PRODUCTS/SERVICES/SOLUTIONS OFFERED	234
TABLE 135	DUPONT DE NEMOURS INC.: DEALS	235
12.2	OTHER PLAYERS	236
12.2.1	RESONAC HOLDINGS CORPORATION	236
TABLE 136	RESONAC HOLDINGS CORPORATION: COMPANY OVERVIEW	236
12.2.2	MITSUBISHI CHEMICAL CORPORATION	237
TABLE 137	MITSUBISHI CHEMICAL CORPORATION: COMPANY OVERVIEW	237
12.2.3	PARKER HANNIFIN CORP	238
TABLE 138	PARKER HANNIFIN CORP: COMPANY OVERVIEW	238
12.2.4	AVANTOR, INC.	238
TABLE 139	AVANTOR, INC.: COMPANY OVERVIEW	238
12.2.5	AIR PRODUCTS AND CHEMICALS, INC.	239
TABLE 140	AIR PRODUCTS AND CHEMICALS, INC.: COMPANY OVERVIEW	239
12.2.6	LINDE PLC	240

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

TABLE 141 LINDE PLC: COMPANY OVERVIEW 240

12.2.7 CABOT CORPORATION 241

TABLE 142 CABOT CORPORATION: COMPANY OVERVIEW 241

12.2.8 KAO CORPORATION 241

TABLE 143 KAO CORPORATION: COMPANY OVERVIEW 241

12.2.9 KANTO KAGAKU 242

TABLE 144 KANTO KAGAKU: COMPANY OVERVIEW 242

12.2.10 NIPPON KAYAKU CO., LTD. 243

TABLE 145 NIPPON KAYAKU CO., LTD.: COMPANY OVERVIEW 243

12.2.11 FOOSUNG CO., LTD. 244

TABLE 146 FOOSUNG CO., LTD.: COMPANY OVERVIEW 244

12.2.12 OCI COMPANY LTD. 244

TABLE 147 OCI COMPANY LTD.: COMPANY OVERVIEW 244

12.2.13 TOKUYAMA CORPORATION 245

TABLE 148 TOKUYAMA CORPORATION: COMPANY OVERVIEW 245

*Details on Business overview, Products/Solutions/Services offered, Recent Developments, MNM view might not be captured in case of unlisted companies.

13 APPENDIX 246

13.1 KEY INDUSTRY INSIGHTS 246

13.2 DISCUSSION GUIDE 247

13.3 KNOWLEDGESTORE: MARKETSANDMARKETS' SUBSCRIPTION PORTAL 250

13.4 CUSTOMIZATION OPTIONS 252

13.5 RELATED REPORTS 252

13.6 AUTHOR DETAILS 253

Semiconductor Chemical Market Type(High Performance Polymers, Acid & Base Chemicals, Adhesives, Solvents), Application(Photoresist, Etching, Deposition, Cleaning), End-Use (Integrated Circuits, Discrete Semiconductor), & Region - Global Forecast to 2028

Market Report | 2023-11-13 | 248 pages | MarketsandMarkets

To place an Order with Scotts International:

- ☐ - Print this form
- ☐ - Complete the relevant blank fields and sign
- ☐ - Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License	Price
	Single User	\$4950.00
	Multi User	\$6650.00
	Corporate License	\$8150.00
	Enterprise Site License	\$10000.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	2025-05-20
		Signature	<div></div>