

Polyethyleneimine Market by Type (Branched, Linear), Application (Detergents, Adhesives and Sealants, Water Treatment Chemicals, Cosmetics, Paper, Coatings, Inks, and Dyes), and Region - Global Forecast to 2029

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Report description:

The polyethyleneimine market size is projected to reach USD 497 million by 2029 at a CAGR of 0.8% from USD 479 million in 2024. Asia pacific is estimated to account for the largest share in terms of value of the polyethyleneimine market in 2024. Its versatile properties, including adhesion, flocculation, and film-forming capabilities, contribute to its sustained demand in sectors such as adhesives, coatings, water treatment, and biomedical applications. Moreover, ongoing research and development efforts aimed at enhancing polyethyleneimine's performance and expanding its applications further support market growth. Additionally, the growing emphasis on sustainability and eco-friendly solutions in industries such as papermaking and textiles is expected to drive the adoption of polyethyleneimine-based alternatives.

"Coating, Ink and Dyes is projected to be the fastest growing application segment of polyethyleneimine market."

There is a growing demand for high-performance coatings and inks across various industries such as automotive, construction, and packaging, driven by the need for durable, long-lasting, and aesthetically pleasing finishes. Polyethyleneimine serves as a versatile additive in these formulations, offering benefits such as enhanced adhesion, corrosion resistance, and color retention, thereby meeting the stringent performance requirements of end-users. Additionally, the expanding construction and infrastructure sectors globally necessitate coatings and paints with superior properties to withstand harsh environmental conditions, driving the adoption of polyethyleneimine-based coatings. Moreover, the increasing focus on sustainability and environmental regulations is encouraging the use of eco-friendly additives like polyethyleneimine in coatings and ink formulations, further fueling market growth.

"North America is likely to account for the second largest share of polyethyleneimine market in terms of value."

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The region boasts advanced industrial and technological capabilities, particularly in sectors such as pharmaceuticals, textiles, and electronics, where polyethyleneimine finds wide-ranging applications. Additionally, North America has a well-established research and development infrastructure, fostering innovation and the development of new polyethyleneimine-based products. Furthermore, stringent regulations pertaining to environmental protection and product quality drive the demand for high-performance materials like polyethyleneimine in North America. The region's strong emphasis on sustainability and eco-friendly practices also aligns with the use of polyethyleneimine in applications such as water treatment and paper manufacturing. Moreover, increasing investments in infrastructure projects, particularly in the United States and Canada, further boost the demand for polyethyleneimine-based construction materials. With these factors combined, North America is poised to maintain a significant share of the polyethyleneimine market, offering ample opportunities for growth and expansion in the coming years.

"China, by country is forecasted to be the largest market of polyethyleneimine during the forecast period."

China is poised to dominate the polyethyleneimine market, primarily due to its robust industrial infrastructure, rapid urbanization, and burgeoning manufacturing sector. As the world's largest consumer and producer of various goods, China's demand for polyethyleneimine is propelled by its extensive use in industries such as textiles, paper manufacturing, water treatment, and coatings. The country's proactive approach to infrastructure development and urban expansion further fuels the demand for polyethyleneimine-based construction materials and coatings. Moreover, China's favorable government policies and initiatives to promote environmental sustainability drive the adoption of polyethyleneimine in water treatment applications to mitigate pollution and ensure clean water supply. Additionally, the presence of a vast consumer base and growing middle class in China contributes to the rising demand for products that utilize polyethyleneimines, such as personal care items and household products. With its significant manufacturing capacity, expanding industrial base, and supportive regulatory environment, China is poised to maintain its position as the largest market for polyethyleneimine, driving continued growth and innovation in the industry. Breakdown of Primary Interviews:

-□By Company Type: Tier 1 - 33%, Tier 2 - 40%, and Tier 3 - 27%

-□By Designation: C Level - 21%, D Level - 23%, and Others - 56%

-□By Region: North America - 37%, Europe - 23%, Asia Pacific - 26%, Middle East & Africa - 10% and South America - 4%

The key companies profiled in this report are Nippon Shokubai Co. Ltd (Japan), BASF SE (Germany), FUJIFILM Wako Pure Chemical Corporation (Japan), and Shanghai Holdenchem Co. (China).

Research Coverage:

The polyethyleneimine market has been segmented based on Type (Branched, Linear), Application (Detergents, Adhesives & Sealants, Water Treatment Chemicals, Cosmetics, Paper, Coatings, Inks, and Dyes, and Other Applications), and by Region (Asia Pacific, North America, Europe, Middle East & Africa, and South America).

This report provides insights on the following pointers:

-□Analysis of key drivers (Application growth in adhesive and sealants, Increasing demand in water treatment chemicals and detergents) restraints (Raw material price instability), opportunities (Utilization in biomedical and bio-technology application), and challenges (Stringent regulatory policies) influencing the growth of the polyethyleneimine market.

-□Product Development/Innovation: Detailed insight into upcoming technologies, research & development activities, and new product launches in the polyethyleneimine market.

-□Market Development: Comprehensive information about markets - the report analyses the polyethyleneimine market across varied regions.

-□Market Diversification: Exclusive information about the new products & services untapped geographies, recent developments, and investments in the polyethyleneimine market.

-□Competitive Assessment: In-depth assessment of market shares, growth strategies and service offerings of leading players like

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Nippon Shokubai Co. Ltd (Japan), BASF SE (Germany), FUJIFILM Wako Pure Chemical Corporation (Japan), and Shanghai Holdenchem Co. (China) among other in the Polyethyleneimine market.

Table of Contents:

1 INTRODUCTION 34

1.1 STUDY OBJECTIVES 34

1.2 MARKET DEFINITION 34

1.2.1 INCLUSIONS AND EXCLUSIONS 35

1.2.2 DEFINITION AND INCLUSIONS, BY TYPE 35

1.2.3 DEFINITION AND INCLUSIONS, BY APPLICATION 35

1.3 MARKET SCOPE 36

FIGURE 1 POLYETHYLENEIMINE MARKET SEGMENTATION 36

1.3.1 REGIONS COVERED 37

1.3.2 YEARS CONSIDERED 37

1.4 CURRENCY CONSIDERED 38

1.5 UNITS CONSIDERED 38

1.6 STAKEHOLDERS 38

1.7 IMPACT OF RECESSION 38

2 RESEARCH METHODOLOGY 39

2.1 RESEARCH DATA 39

FIGURE 2 POLYETHYLENEIMINE MARKET: RESEARCH DESIGN 39

2.1.1 SECONDARY DATA 40

2.1.1.1 Key data from secondary sources 40

2.1.2 PRIMARY DATA 41

2.1.2.1 Key data from primary sources 41

2.1.2.2 Breakdown of interviews with experts 42

2.1.2.3 Primary data sources 42

2.1.2.4 Key industry insights 43

2.2 MARKET SIZE ESTIMATION APPROACH 43

2.2.1 BOTTOM-UP APPROACH 44

FIGURE 3 MARKET SIZE ESTIMATION: BOTTOM-UP APPROACH 44

2.2.2 TOP-DOWN APPROACH 45

FIGURE 4 MARKET SIZE ESTIMATION: TOP-DOWN APPROACH 45

FIGURE 5 POLYETHYLENEIMINE MARKET SIZE ESTIMATION, BY REGION 46

FIGURE 6 POLYETHYLENEIMINE MARKET, BY TYPE, 2023 46

2.3 MARKET GROWTH FORECAST 46

2.3.1 SUPPLY-SIDE FORECAST 46

FIGURE 7 POLYETHYLENEIMINE MARKET: SUPPLY-SIDE FORECAST 46

2.3.2 DEMAND-SIDE FORECAST 47

2.4 FACTOR ANALYSIS 47

FIGURE 8 FACTOR ANALYSIS OF POLYETHYLENEIMINE MARKET 47

?

2.5 DATA TRIANGULATION 48

FIGURE 9 POLYETHYLENEIMINE MARKET: DATA TRIANGULATION 48

2.6 ASSUMPTIONS 49

2.7 LIMITATIONS 49

2.8 GROWTH RATE FORECAST 50

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2.9	RISK ASSESSMENT	50
TABLE 1	POLYETHYLENEIMINE MARKET: RISK ASSESSMENT	50
2.10	IMPACT OF RECESSION	50
3	EXECUTIVE SUMMARY	51
TABLE 2	POLYETHYLENEIMINE MARKET SNAPSHOT, 2024 VS. 2029	52
FIGURE 10	LINEAR TYPE TO REGISTER HIGHER CAGR IN POLYETHYLENEIMINE MARKET DURING FORECAST PERIOD	52
FIGURE 11	ADHESIVES & SEALANTS SEGMENT ACCOUNTED FOR LARGEST MARKET SHARE IN POLYETHYLENEIMINE MARKET	53
FIGURE 12	ASIA PACIFIC LED POLYETHYLENEIMINE MARKET IN 2023	54
4	PREMIUM INSIGHTS	55
4.1	ATTRACTIVE OPPORTUNITIES FOR PLAYERS IN POLYETHYLENEIMINE MARKET	55
FIGURE 13	POLYETHYLENEIMINE MARKET TO WITNESS SLUGGISH GROWTH DURING FORECAST PERIOD	55
4.2	POLYETHYLENEIMINE MARKET SIZE, BY TYPE	55
FIGURE 14	LINEAR TO BE FASTER GROWING SEGMENT BETWEEN 2024 AND 2029	55
4.3	POLYETHYLENEIMINE MARKET, DEVELOPED VS. EMERGING ECONOMIES	56
FIGURE 15	EMERGING ECONOMIES TO WITNESS HIGHER GROWTH DURING FORECAST PERIOD	56
4.4	ASIA PACIFIC POLYETHYLENEIMINE MARKET SIZE, BY APPLICATION AND COUNTRY, 2023	56
FIGURE 16	CHINA ACCOUNTED FOR LARGEST MARKET SHARE	56
4.5	POLYETHYLENEIMINE MARKET SIZE, BY COUNTRY	57
FIGURE 17	INDIA TO EMERGE AS LUCRATIVE MARKET FOR POLYETHYLENEIMINE	57
5	MARKET OVERVIEW	58
5.1	INTRODUCTION	58
5.2	MARKET DYNAMICS	59
FIGURE 18	DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES IN POLYETHYLENEIMINE MARKET	59
5.2.1	DRIVERS	59
5.2.1.1	Rising demand for adhesives and sealants	59
5.2.1.2	Increasing demand for water treatment chemicals and detergents	60
5.2.2	RESTRAINTS	60
5.2.2.1	Raw material price instability	60
?		
5.2.3	OPPORTUNITIES	60
5.2.3.1	Utilization in biomedical and biotechnology applications	60
5.2.3.2	Expanding polyethyleneimine applications in shale inhibition	61
5.2.4	CHALLENGES	61
5.2.4.1	Stringent regulatory policies	61
5.3	PORTER'S FIVE FORCES ANALYSIS	62
TABLE 3	POLYETHYLENEIMINE MARKET: PORTER'S FIVE FORCES ANALYSIS	62
FIGURE 19	PORTER'S FIVE FORCES ANALYSIS: POLYETHYLENEIMINE MARKET	63
5.3.1	INTENSITY OF COMPETITIVE RIVALRY	63
5.3.2	BARGAINING POWER OF BUYERS	63
5.3.3	BARGAINING POWER OF SUPPLIERS	64
5.3.4	THREAT OF SUBSTITUTES	64
5.3.5	THREAT OF NEW ENTRANTS	64
5.4	MACROECONOMIC INDICATORS	64
5.4.1	INTRODUCTION	64
5.4.2	GDP TRENDS AND FORECAST	64
TABLE 4	GDP PERCENTAGE (%) CHANGE, KEY COUNTRY, 2020-2028	65
5.4.3	TRENDS IN GLOBAL BEAUTY MARKET	66

5.4.4	TRENDS AND FORECAST OF GLOBAL CONSTRUCTION INDUSTRY	67
6	INDUSTRY TRENDS	68
6.1	SUPPLY CHAIN ANALYSIS	68
FIGURE 20	POLYETHYLENEIMINE MARKET: SUPPLY CHAIN ANALYSIS	68
6.2	ECOSYSTEM ANALYSIS/MARKET MAP	69
TABLE 5	POLYETHYLENEIMINE MARKET: ROLE IN ECOSYSTEM	69
FIGURE 21	POLYETHYLENEIMINE MARKET: ECOSYSTEM ANALYSIS	69
FIGURE 22	POLYETHYLENEIMINE MARKET: ECOSYSTEM	70
6.3	TRENDS AND DISRUPTIONS IMPACTING CUSTOMER BUSINESS	70
FIGURE 23	TRENDS IN END-USE INDUSTRIES IMPACTING BUSINESS OF POLYETHYLENEIMINE MANUFACTURERS	70
6.4	KEY STAKEHOLDERS & BUYING CRITERIA	71
6.4.1	KEY STAKEHOLDERS IN BUYING PROCESS	71
FIGURE 24	INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS	71
TABLE 6	INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR TOP THREE APPLICATIONS/END USERS (%)	71
6.4.2	BUYING CRITERIA	72
FIGURE 25	KEY BUYING CRITERIA FOR POLYETHYLENEIMINE	72
6.5	PRICING ANALYSIS	72
FIGURE 26	AVERAGE SELLING PRICE TREND, BY REGION, 2023	72
FIGURE 27	AVERAGE SELLING PRICE TREND, BY TYPE, 2023	73
FIGURE 28	AVERAGE SELLING PRICE TREND, BY APPLICATION, 2023	73
FIGURE 29	AVERAGE SELLING PRICE TREND OF KEY PLAYERS, BY TOP APPLICATIONS, 2023	74
TABLE 7	AVERAGE SELLING PRICE OF KEY PLAYERS, BY TOP 3 APPLICATIONS (USD/KG)	74
6.6	TRADE ANALYSIS	74
6.6.1	EXPORT SCENARIO OF ETHYLENE	74
FIGURE 30	ETHYLENE EXPORT, BY KEY COUNTRY, 2019-2023 (USD THOUSAND)	75
TABLE 8	COUNTRY-WISE EXPORT DATA, 2019-2023 (USD THOUSAND)	75
6.6.2	IMPORT SCENARIO OF ETHYLENE	76
FIGURE 31	ETHYLENE IMPORT, BY KEY COUNTRY, 2019-2023 (USD THOUSAND)	76
TABLE 9	COUNTRY-WISE IMPORT DATA, 2019-2023 (USD THOUSAND)	76
6.7	GLOBAL ECONOMIC SCENARIO AFFECTING MARKET GROWTH	78
6.7.1	RUSSIA-UKRAINE WAR	78
6.7.2	CHINA	79
6.7.2.1	Decreasing investments lowering growth trajectory	79
6.7.2.2	Environmental commitments	79
6.7.3	EUROPE	79
6.7.3.1	Political and economic instability in Germany	79
6.7.3.2	Energy crisis in Europe	80
6.8	REGULATORY LANDSCAPE	80
6.8.1	REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS	81
TABLE 10	NORTH AMERICA: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS	81
TABLE 11	EUROPE: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS	81
TABLE 12	ASIA PACIFIC: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS	82
6.9	PATENT ANALYSIS	82
FIGURE 32	LIST OF MAJOR PATENTS FOR POLYETHYLENEIMINE, 2015-2024	83
6.9.1	LIST OF MAJOR PATENTS	84
6.10	CASE STUDY ANALYSIS	86
6.11	TECHNOLOGY ANALYSIS	88

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6.11.1	KEY TECHNOLOGIES	88
6.11.1.1	Adsorbent modification technologies	88
6.11.1.2	Water treatment technology	88
6.11.2	COMPLEMENTARY TECHNOLOGIES	88
6.11.2.1	Smart materials	88
6.11.3	ADJACENT TECHNOLOGIES	89
6.11.3.1	Biotechnology	89
6.12	KEY CONFERENCES AND EVENTS, 2024	89
TABLE 13	POLYETHYLENEIMINE MARKET: KEY CONFERENCES AND EVENTS, 2024	89
6.13	INVESTMENT AND FUNDING SCENARIO	89
TABLE 14	INVESTMENT AND FUNDING SCENARIO	90
7	POLYETHYLENEIMINE MARKET, BY TYPE	91
7.1	INTRODUCTION	92
FIGURE 33	BRANCHED TYPE TO BE LEADING SEGMENT IN POLYETHYLENEIMINE MARKET	92
TABLE 15	POLYETHYLENEIMINE MARKET, BY TYPE, 2022-2023 (USD MILLION)	92
TABLE 16	POLYETHYLENEIMINE MARKET, BY TYPE, 2024-2029 (USD MILLION)	92
TABLE 17	POLYETHYLENEIMINE MARKET, BY TYPE, 2022-2023 (KILOTON)	93
TABLE 18	POLYETHYLENEIMINE MARKET, BY TYPE, 2024-2029 (KILOTON)	93
7.2	LINEAR	93
7.2.1	EFFICIENT GENE DELIVERY FOR ENHANCED CELLULAR UPTAKE AND EXPRESSION TO DRIVE MARKET	93
TABLE 19	LINEAR: POLYETHYLENEIMINE MARKET, BY REGION, 2022-2023 (USD MILLION)	94
TABLE 20	LINEAR: POLYETHYLENEIMINE MARKET, BY REGION, 2024-2029 (USD MILLION)	94
TABLE 21	LINEAR: POLYETHYLENEIMINE MARKET, BY REGION, 2022-2023 (KILOTON)	94
TABLE 22	LINEAR: POLYETHYLENEIMINE MARKET, BY REGION, 2024-2029 (KILOTON)	95
7.3	BRANCHED	95
7.3.1	EFFICACY AS CROSSLINKING AGENT, ADHESIVE, AND FLOCCULANT TO DRIVE MARKET	95
TABLE 23	BRANCHED: POLYETHYLENEIMINE MARKET, BY REGION, 2022-2023 (USD MILLION)	95
TABLE 24	BRANCHED: POLYETHYLENEIMINE MARKET, BY REGION, 2024-2029 (USD MILLION)	96
TABLE 25	BRANCHED: POLYETHYLENEIMINE MARKET, BY REGION, 2022-2023 (KILOTON)	96
TABLE 26	BRANCHED: POLYETHYLENEIMINE MARKET, BY REGION, 2024-2029 (KILOTON)	96
8	POLYETHYLENEIMINE MARKET, BY APPLICATION	97
8.1	INTRODUCTION	98
FIGURE 34	ADHESIVES & SEALANTS APPLICATION TO LEAD POLYETHYLENEIMINE MARKET	98
TABLE 27	POLYETHYLENEIMINE MARKET, BY APPLICATION, 2022-2023 (USD MILLION)	98
TABLE 28	POLYETHYLENEIMINE MARKET, BY APPLICATION, 2024-2029 (USD MILLION)	99
TABLE 29	POLYETHYLENEIMINE MARKET, BY APPLICATION, 2022-2023 (KILOTON)	99
TABLE 30	POLYETHYLENEIMINE MARKET, BY APPLICATION, 2024-2029 (KILOTON)	99
8.2	DETERGENTS	100
8.2.1	EFFECTIVE SOIL DISPERSION, PREVENTION FROM RE-DEPOSITING ONTO CLEANED SURFACES TO DRIVE MARKET	100
TABLE 31	DETERGENTS: POLYETHYLENEIMINE MARKET, BY REGION, 2022-2023 (USD MILLION)	100
TABLE 32	DETERGENTS: POLYETHYLENEIMINE MARKET, BY REGION, 2024-2029 (USD MILLION)	100
TABLE 33	DETERGENTS: POLYETHYLENEIMINE MARKET, BY REGION, 2022-2023 (KILOTON)	101
TABLE 34	DETERGENTS: POLYETHYLENEIMINE MARKET, BY REGION, 2024-2029 (KILOTON)	101
8.3	ADHESIVES & SEALANTS	102
8.3.1	EXCELLENT ADHESION TO VARIOUS SUBSTRATES TO DRIVE MARKET	102
TABLE 35	ADHESIVES & SEALANTS: POLYETHYLENEIMINE MARKET, BY REGION, 2022-2023 (USD MILLION)	102

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TABLE 36	ADHESIVES & SEALANTS: POLYETHYLENEIMINE MARKET, BY REGION, 2024-2029 (USD MILLION)	102
TABLE 37	ADHESIVES & SEALANTS: POLYETHYLENEIMINE MARKET, BY REGION, 2022-2023 (KILOTON)	103
TABLE 38	ADHESIVES & SEALANTS: POLYETHYLENEIMINE MARKET, BY REGION, 2024-2029 (KILOTON)	103
8.4	WATER TREATMENT CHEMICALS	103
8.4.1	URGENT DEMAND FOR CLEAN DRINKING WATER DURING NATURAL DISASTERS TO DRIVE MARKET	103
TABLE 39	WATER TREATMENT CHEMICALS: POLYETHYLENEIMINE MARKET, BY REGION, 2022-2023 (USD MILLION)	104
TABLE 40	WATER TREATMENT CHEMICALS: POLYETHYLENEIMINE MARKET, BY REGION, 2024-2029 (USD MILLION)	104
TABLE 41	WATER TREATMENT CHEMICALS: POLYETHYLENEIMINE MARKET, BY REGION, 2022-2023 (KILOTON)	104
TABLE 42	WATER TREATMENT CHEMICALS: POLYETHYLENEIMINE MARKET, BY REGION, 2024-2029 (KILOTON)	105
8.5	COSMETICS	105
8.5.1	TAILORED FORMULATIONS OPTIMIZING PERFORMANCE AND EFFICACY OF COSMETIC PRODUCTS TO DRIVE MARKET	105
TABLE 43	COSMETICS: POLYETHYLENEIMINE MARKET, BY REGION, 2022-2023 (USD MILLION)	106
TABLE 44	COSMETICS: POLYETHYLENEIMINE MARKET, BY REGION, 2024-2029 (USD MILLION)	106
TABLE 45	COSMETICS: POLYETHYLENEIMINE MARKET, BY REGION, 2022-2023 (KILOTON)	106
TABLE 46	COSMETICS: POLYETHYLENEIMINE MARKET, BY REGION, 2024-2029 (KILOTON)	107
8.6	PAPER	107
8.6.1	RETENTION OF FIBERS AND ENHANCEMENT OF FORMATION AND UNIFORMITY OF PAPER TO DRIVE MARKET	107
TABLE 47	PAPER: POLYETHYLENEIMINE MARKET, BY REGION, 2022-2023 (USD MILLION)	108
TABLE 48	PAPER: POLYETHYLENEIMINE MARKET, BY REGION, 2024-2029 (USD MILLION)	108
TABLE 49	PAPER: POLYETHYLENEIMINE MARKET, BY REGION, 2022-2023 (KILOTON)	108
TABLE 50	PAPER: POLYETHYLENEIMINE MARKET, BY REGION, 2024-2029 (KILOTON)	109
8.7	COATINGS, INKS & DYES	109
8.7.1	ADHESION, CORROSION RESISTANCE, AND IMPROVED DURABILITY ON COATED SURFACES TO DRIVE MARKET	109
TABLE 51	COATINGS, INKS & DYES: POLYETHYLENEIMINE MARKET, BY REGION, 2022-2023 (USD MILLION)	110
TABLE 52	COATINGS, INKS & DYES: POLYETHYLENEIMINE MARKET, BY REGION, 2024-2029 (USD MILLION)	110
TABLE 53	COATINGS, INKS & DYES: POLYETHYLENEIMINE MARKET, BY REGION, 2022-2023 (KILOTON)	110
TABLE 54	COATINGS, INKS & DYES: POLYETHYLENEIMINE MARKET, BY REGION, 2024-2029 (KILOTON)	111
8.8	OTHER APPLICATIONS	111
TABLE 55	OTHER APPLICATIONS: POLYETHYLENEIMINE MARKET, BY REGION, 2022-2023 (USD MILLION)	112
TABLE 56	OTHER APPLICATIONS: POLYETHYLENEIMINE MARKET, BY REGION, 2024-2029 (USD MILLION)	112
TABLE 57	OTHER APPLICATIONS: POLYETHYLENEIMINE MARKET, BY REGION, 2022-2023 (KILOTON)	112
TABLE 58	OTHER APPLICATIONS: POLYETHYLENEIMINE MARKET, BY REGION, 2024-2029 (KILOTON)	113
9	POLYETHYLENEIMINE MARKET, BY REGION	114
9.1	INTRODUCTION	115
FIGURE 35	ASIA PACIFIC TO REGISTER HIGHEST CAGR BETWEEN 2024 AND 2029 FOR POLYETHYLENEIMINE MARKET	115
TABLE 59	POLYETHYLENEIMINE MARKET, BY REGION, 2022-2023 (USD MILLION)	115
TABLE 60	POLYETHYLENEIMINE MARKET, BY REGION, 2024-2029 (USD MILLION)	116
TABLE 61	POLYETHYLENEIMINE MARKET, BY REGION, 2022-2023 (KILOTON)	116
TABLE 62	POLYETHYLENEIMINE MARKET, BY REGION, 2024-2029 (KILOTON)	116
9.2	NORTH AMERICA	117
9.2.1	IMPACT OF RECESSION	118
FIGURE 36	NORTH AMERICA: POLYETHYLENEIMINE MARKET SNAPSHOT	119
TABLE 63	NORTH AMERICA: POLYETHYLENEIMINE MARKET, BY COUNTRY, 2022-2023 (USD MILLION)	119
TABLE 64	NORTH AMERICA: POLYETHYLENEIMINE MARKET, BY COUNTRY, 2024-2029 (USD MILLION)	120
TABLE 65	NORTH AMERICA: POLYETHYLENEIMINE MARKET, BY COUNTRY, 2022-2023 (KILOTON)	120
TABLE 66	NORTH AMERICA: POLYETHYLENEIMINE MARKET, BY COUNTRY, 2024-2029 (KILOTON)	120
TABLE 67	NORTH AMERICA: POLYETHYLENEIMINE MARKET, BY TYPE, 2022-2023 (USD MILLION)	120

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TABLE 68	NORTH AMERICA: POLYETHYLENEIMINE MARKET, BY TYPE, 2024-2029 (USD MILLION)	121
TABLE 69	NORTH AMERICA: POLYETHYLENEIMINE MARKET, BY TYPE, 2022-2023 (KILOTON)	121
TABLE 70	NORTH AMERICA: POLYETHYLENEIMINE MARKET, BY TYPE, 2024-2029 (KILOTON)	121
TABLE 71	NORTH AMERICA: POLYETHYLENEIMINE MARKET, BY APPLICATION, 2022-2023 (USD MILLION)	121
TABLE 72	NORTH AMERICA: POLYETHYLENEIMINE MARKET, BY APPLICATION, 2024-2029 (USD MILLION)	122
TABLE 73	NORTH AMERICA: POLYETHYLENEIMINE MARKET, BY APPLICATION, 2022-2023 (KILOTON)	122
TABLE 74	NORTH AMERICA: POLYETHYLENEIMINE MARKET, BY APPLICATION, 2024-2029 (KILOTON)	123
9.2.2	US	123
9.2.2.1	Technological advancements and development of eco-friendly applications to drive market	123
TABLE 75	US: POLYETHYLENEIMINE MARKET, BY TYPE, 2022-2023 (USD MILLION)	124
TABLE 76	US: POLYETHYLENEIMINE MARKET, BY TYPE, 2024-2029 (USD MILLION)	124
TABLE 77	US: POLYETHYLENEIMINE MARKET, BY TYPE, 2022-2023 (KILOTON)	124
TABLE 78	US: POLYETHYLENEIMINE MARKET, BY TYPE, 2024-2029 (KILOTON)	124
9.2.3	CANADA	125
9.2.3.1	Investments in sustainable practices and technologies to propel market	125
TABLE 79	CANADA: POLYETHYLENEIMINE MARKET, BY TYPE, 2022-2023 (USD MILLION)	125
TABLE 80	CANADA: POLYETHYLENEIMINE MARKET, BY TYPE, 2024-2029 (USD MILLION)	126
TABLE 81	CANADA: POLYETHYLENEIMINE MARKET, BY TYPE, 2022-2023 (KILOTON)	126
TABLE 82	CANADA: POLYETHYLENEIMINE MARKET, BY TYPE, 2024-2029 (KILOTON)	126
9.2.4	MEXICO	126
9.2.4.1	Integrating digital technologies, diversifying supply chains, and energy efficiency and resource management to drive market	126
TABLE 83	MEXICO: POLYETHYLENEIMINE MARKET, BY TYPE, 2022-2023 (USD MILLION)	127
TABLE 84	MEXICO: POLYETHYLENEIMINE MARKET, BY TYPE, 2024-2029 (USD MILLION)	127
TABLE 85	MEXICO: POLYETHYLENEIMINE MARKET, BY TYPE, 2022-2023 (KILOTON)	127
TABLE 86	MEXICO: POLYETHYLENEIMINE MARKET, BY TYPE, 2024-2029 (KILOTON)	127
9.3	EUROPE	128
9.3.1	IMPACT OF RECESSION	128
FIGURE 37	EUROPE: POLYETHYLENEIMINE MARKET SNAPSHOT	129
TABLE 87	EUROPE: POLYETHYLENEIMINE MARKET, BY COUNTRY, 2022-2023 (USD MILLION)	130
TABLE 88	EUROPE: POLYETHYLENEIMINE MARKET, BY COUNTRY, 2024-2029 (USD MILLION)	130
TABLE 89	EUROPE: POLYETHYLENEIMINE MARKET, BY COUNTRY, 2022-2023 (KILOTON)	130
TABLE 90	EUROPE: POLYETHYLENEIMINE MARKET, BY COUNTRY, 2024-2029 (KILOTON)	131
TABLE 91	EUROPE: POLYETHYLENEIMINE MARKET, BY TYPE, 2022-2023 (USD MILLION)	131
TABLE 92	EUROPE: POLYETHYLENEIMINE MARKET, BY TYPE, 2024-2029 (USD MILLION)	131
TABLE 93	EUROPE: POLYETHYLENEIMINE MARKET, BY TYPE, 2022-2023 (KILOTON)	131
TABLE 94	EUROPE: POLYETHYLENEIMINE MARKET, BY TYPE, 2024-2029 (KILOTON)	132
TABLE 95	EUROPE: POLYETHYLENEIMINE MARKET, BY APPLICATION, 2022-2023 (USD MILLION)	132
TABLE 96	EUROPE: POLYETHYLENEIMINE MARKET, BY APPLICATION, 2024-2029 (USD MILLION)	132
TABLE 97	EUROPE: POLYETHYLENEIMINE MARKET, BY APPLICATION, 2022-2023 (KILOTON)	133
TABLE 98	EUROPE: POLYETHYLENEIMINE MARKET, BY APPLICATION, 2024-2029 (KILOTON)	133
9.3.2	GERMANY	133
9.3.2.1	Development and implementation of innovative processes and products to boost market	133
TABLE 99	GERMANY: POLYETHYLENEIMINE MARKET, BY TYPE, 2022-2023 (USD MILLION)	134
TABLE 100	GERMANY: POLYETHYLENEIMINE MARKET, BY TYPE, 2024-2029 (USD MILLION)	134
TABLE 101	GERMANY: POLYETHYLENEIMINE MARKET, BY TYPE, 2022-2023 (KILOTON)	134
TABLE 102	GERMANY: POLYETHYLENEIMINE MARKET, BY TYPE, 2024-2029 (KILOTON)	135

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9.3.3 UK 135

9.3.3.1 Government initiatives in chemical industry to drive demand 135

TABLE 103 UK: POLYETHYLENEIMINE MARKET, BY TYPE, 2022-2023 (USD MILLION) 136

TABLE 104 UK: POLYETHYLENEIMINE MARKET, BY TYPE, 2024-2029 (USD MILLION) 136

TABLE 105 UK: POLYETHYLENEIMINE MARKET, BY TYPE, 2022-2023 (KILOTON) 136

TABLE 106 UK: POLYETHYLENEIMINE MARKET, BY TYPE, 2024-2029 (KILOTON) 136

9.3.4 FRANCE 136

9.3.4.1 Strong global cosmetics market to drive demand 136

TABLE 107 FRANCE: POLYETHYLENEIMINE MARKET, BY TYPE, 2022-2023 (USD MILLION) 137

TABLE 108 FRANCE: POLYETHYLENEIMINE MARKET, BY TYPE, 2024-2029 (USD MILLION) 137

TABLE 109 FRANCE: POLYETHYLENEIMINE MARKET, BY TYPE, 2022-2023 (KILOTON) 138

TABLE 110 FRANCE: POLYETHYLENEIMINE MARKET, BY TYPE, 2024-2029 (KILOTON) 138

9.3.5 ITALY 138

9.3.5.1 Significant exports of active pharmaceutical ingredients and bio-based chemicals to drive market 138

TABLE 111 ITALY: POLYETHYLENEIMINE MARKET, BY TYPE, 2022-2023 (USD MILLION) 139

TABLE 112 ITALY: POLYETHYLENEIMINE MARKET, BY TYPE, 2024-2029 (USD MILLION) 139

TABLE 113 ITALY: POLYETHYLENEIMINE MARKET, BY TYPE, 2022-2023 (KILOTON) 139

TABLE 114 ITALY: POLYETHYLENEIMINE MARKET, BY TYPE, 2024-2029 (KILOTON) 139

9.3.6 REST OF EUROPE 140

TABLE 115 REST OF EUROPE: POLYETHYLENEIMINE MARKET, BY TYPE, 2022-2023 (USD MILLION) 140

TABLE 116 REST OF EUROPE: POLYETHYLENEIMINE MARKET, BY TYPE, 2024-2029 (USD MILLION) 140

TABLE 117 REST OF EUROPE: POLYETHYLENEIMINE MARKET, BY TYPE, 2022-2023 (KILOTON) 141

TABLE 118 REST OF EUROPE: POLYETHYLENEIMINE MARKET, BY TYPE, 2024-2029 (KILOTON) 141

9.4 ASIA PACIFIC 141

9.4.1 IMPACT OF RECESSION 142

FIGURE 38 ASIA PACIFIC: POLYETHYLENEIMINE MARKET SNAPSHOT 143

TABLE 119 ASIA PACIFIC: POLYETHYLENEIMINE MARKET, BY COUNTRY, 2022-2023 (USD MILLION) 143

TABLE 120 ASIA PACIFIC: POLYETHYLENEIMINE MARKET, BY COUNTRY, 2024-2029 (USD MILLION) 144

TABLE 121 ASIA PACIFIC: POLYETHYLENEIMINE MARKET, BY COUNTRY, 2022-2023 (KILOTON) 144

TABLE 122 ASIA PACIFIC: POLYETHYLENEIMINE MARKET, BY COUNTRY, 2024-2029 (KILOTON) 144

TABLE 123 ASIA PACIFIC: POLYETHYLENEIMINE MARKET, BY TYPE, 2022-2023 (USD MILLION) 145

TABLE 124 ASIA PACIFIC: POLYETHYLENEIMINE MARKET, BY TYPE, 2024-2029 (USD MILLION) 145

TABLE 125 ASIA PACIFIC: POLYETHYLENEIMINE MARKET, BY TYPE, 2022-2023 (KILOTON) 145

TABLE 126 ASIA PACIFIC: POLYETHYLENEIMINE MARKET, BY TYPE, 2024-2029 (KILOTON) 145

TABLE 127 ASIA PACIFIC: POLYETHYLENEIMINE MARKET, BY APPLICATION, 2022-2023 (USD MILLION) 146

TABLE 128 ASIA PACIFIC: POLYETHYLENEIMINE MARKET, BY APPLICATION, 2024-2029 (USD MILLION) 146

TABLE 129 ASIA PACIFIC: POLYETHYLENEIMINE MARKET, BY APPLICATION, 2022-2023 (KILOTON) 147

TABLE 130 ASIA PACIFIC: POLYETHYLENEIMINE MARKET, BY APPLICATION, 2024-2029 (KILOTON) 147

9.4.2 CHINA 147

9.4.2.1 Strong manufacturing capabilities spanning entire value chain to drive market 147

TABLE 131 CHINA: POLYETHYLENEIMINE MARKET, BY TYPE, 2022-2023 (USD MILLION) 148

TABLE 132 CHINA: POLYETHYLENEIMINE MARKET, BY TYPE, 2024-2029 (USD MILLION) 148

TABLE 133 CHINA: POLYETHYLENEIMINE MARKET, BY TYPE, 2022-2023 (KILOTON) 149

TABLE 134 CHINA: POLYETHYLENEIMINE MARKET BY TYPE, 2024-2029 (KILOTON) 149

9.4.3 INDIA 149

9.4.3.1 Surging demand for petrochemicals and specialty chemicals to drive market 149

TABLE 135 INDIA: POLYETHYLENEIMINE MARKET, BY TYPE, 2022-2023 (USD MILLION) 150

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TABLE 136	INDIA: POLYETHYLENEIMINE MARKET, BY TYPE, 2024-2029 (USD MILLION)	150
TABLE 137	INDIA: POLYETHYLENEIMINE MARKET, BY TYPE, 2022-2023 (KILOTON)	150
TABLE 138	INDIA: POLYETHYLENEIMINE MARKET, BY TYPE, 2024-2029 (KILOTON)	150
9.4.4	JAPAN	151
9.4.4.1	Government subsidies aimed at green and digital investments to drive market	151
TABLE 139	JAPAN: POLYETHYLENEIMINE MARKET, BY TYPE, 2022-2023 (USD MILLION)	152
TABLE 140	JAPAN: POLYETHYLENEIMINE MARKET, BY TYPE, 2024-2029 (USD MILLION)	152
TABLE 141	JAPAN: POLYETHYLENEIMINE MARKET, BY TYPE, 2022-2023 (KILOTON)	152
TABLE 142	JAPAN: POLYETHYLENEIMINE MARKET, BY TYPE, 2024-2029 (KILOTON)	152
9.4.5	SOUTH KOREA	153
9.4.5.1	Soaring domestic production and international demand to drive market	153
TABLE 143	SOUTH KOREA: POLYETHYLENEIMINE MARKET, BY TYPE, 2022-2023 (USD MILLION)	154
TABLE 144	SOUTH KOREA: POLYETHYLENEIMINE MARKET, BY TYPE, 2024-2029 (USD MILLION)	154
TABLE 145	SOUTH KOREA: POLYETHYLENEIMINE MARKET, BY TYPE, 2022-2023 (KILOTON)	154
TABLE 146	SOUTH KOREA: POLYETHYLENEIMINE MARKET, BY TYPE, 2024-2029 (KILOTON)	154
9.4.6	REST OF ASIA PACIFIC	154
TABLE 147	REST OF ASIA PACIFIC: POLYETHYLENEIMINE MARKET, BY TYPE, 2022-2023 (USD MILLION)	155
TABLE 148	REST OF ASIA PACIFIC: POLYETHYLENEIMINE MARKET, BY TYPE, 2024-2029 (USD MILLION)	155
TABLE 149	REST OF ASIA PACIFIC: POLYETHYLENEIMINE MARKET, BY TYPE, 2022-2023 (KILOTON)	155
TABLE 150	REST OF ASIA PACIFIC: POLYETHYLENEIMINE MARKET, BY TYPE, 2024-2029 (KILOTON)	156
9.5	MIDDLE EAST & AFRICA	156
9.5.1	IMPACT OF RECESSION	156
FIGURE 39	MIDDLE EAST & AFRICA: POLYETHYLENEIMINE MARKET SNAPSHOT	157
TABLE 151	MIDDLE EAST & AFRICA: POLYETHYLENEIMINE MARKET, BY COUNTRY, 2022-2023 (USD MILLION)	157
TABLE 152	MIDDLE EAST & AFRICA: POLYETHYLENEIMINE MARKET, BY COUNTRY, 2024-2029 (USD MILLION)	157
TABLE 153	MIDDLE EAST & AFRICA: POLYETHYLENEIMINE MARKET, BY COUNTRY, 2022-2023 (KILOTON)	158
TABLE 154	MIDDLE EAST & AFRICA: POLYETHYLENEIMINE MARKET, BY COUNTRY, 2024-2029 (KILOTON)	158
TABLE 155	MIDDLE EAST & AFRICA: POLYETHYLENEIMINE MARKET, BY TYPE, 2022-2023 (USD MILLION)	158
TABLE 156	MIDDLE EAST & AFRICA: POLYETHYLENEIMINE MARKET, BY TYPE, 2024-2029 (USD MILLION)	159
TABLE 157	MIDDLE EAST & AFRICA: POLYETHYLENEIMINE MARKET, BY TYPE, 2022-2023 (KILOTON)	159
TABLE 158	MIDDLE EAST & AFRICA: POLYETHYLENEIMINE MARKET, BY TYPE, 2024-2029 (KILOTON)	159
TABLE 159	MIDDLE EAST & AFRICA: POLYETHYLENEIMINE MARKET, BY APPLICATION, 2022-2023 (USD MILLION)	159
TABLE 160	MIDDLE EAST & AFRICA: POLYETHYLENEIMINE MARKET, BY APPLICATION, 2024-2029 (USD MILLION)	160
TABLE 161	MIDDLE EAST & AFRICA: POLYETHYLENEIMINE MARKET, BY APPLICATION, 2022-2023 (KILOTON)	160
TABLE 162	MIDDLE EAST & AFRICA: POLYETHYLENEIMINE MARKET, BY APPLICATION, 2024-2029 (KILOTON)	161
9.5.2	GCC COUNTRIES	161
TABLE 163	GCC COUNTRIES: POLYETHYLENEIMINE MARKET, BY TYPE, 2022-2023 (USD MILLION)	161
TABLE 164	GCC COUNTRIES: POLYETHYLENEIMINE MARKET, BY TYPE, 2024-2029 (USD MILLION)	161
TABLE 165	GCC COUNTRIES: POLYETHYLENEIMINE MARKET, BY TYPE, 2022-2023 (KILOTON)	162
TABLE 166	GCC COUNTRIES: POLYETHYLENEIMINE MARKET, BY TYPE, 2024-2029 (KILOTON)	162
9.5.2.1	Saudi Arabia	162
9.5.2.1.1	Increased government investments in chemical manufacturing and R&D to propel market	162
9.5.2.2	UAE	163
9.5.2.2.1	Increase in industrial activities to drive market	163
9.5.2.3	Rest of GCC countries	164
9.5.3	REST OF MIDDLE EAST & AFRICA	164
TABLE 167	REST OF MIDDLE EAST & AFRICA: POLYETHYLENEIMINE MARKET, BY TYPE, 2022-2023 (USD MILLION)	165

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TABLE 168	REST OF MIDDLE EAST & AFRICA: POLYETHYLENEIMINE MARKET, BY TYPE, 2024-2029 (USD MILLION)	165
TABLE 169	REST OF MIDDLE EAST & AFRICA: POLYETHYLENEIMINE MARKET, BY TYPE, 2022-2023 (KILOTON)	165
TABLE 170	REST OF MIDDLE EAST & AFRICA: POLYETHYLENEIMINE MARKET, BY TYPE, 2024-2029 (KILOTON)	165
9.6	SOUTH AMERICA	166
9.6.1	IMPACT OF RECESSION	166
FIGURE 40	SOUTH AMERICA: POLYETHYLENEIMINE MARKET SNAPSHOT	166
TABLE 171	SOUTH AMERICA: POLYETHYLENEIMINE MARKET, BY COUNTRY, 2022-2023 (USD MILLION)	167
TABLE 172	SOUTH AMERICA: POLYETHYLENEIMINE MARKET, BY COUNTRY, 2024-2029 (USD MILLION)	167
TABLE 173	SOUTH AMERICA: POLYETHYLENEIMINE MARKET, BY COUNTRY, 2022-2023 (KILOTON)	167
TABLE 174	SOUTH AMERICA: POLYETHYLENEIMINE MARKET, BY COUNTRY, 2024-2029 (KILOTON)	167
TABLE 175	SOUTH AMERICA: POLYETHYLENEIMINE MARKET, BY TYPE, 2022-2023 (USD MILLION)	168
TABLE 176	SOUTH AMERICA: POLYETHYLENEIMINE MARKET, BY TYPE, 2024-2029 (USD MILLION)	168
TABLE 177	SOUTH AMERICA: POLYETHYLENEIMINE MARKET, BY TYPE, 2022-2023 (KILOTON)	168
TABLE 178	SOUTH AMERICA: POLYETHYLENEIMINE MARKET, BY TYPE, 2024-2029 (KILOTON)	168
TABLE 179	SOUTH AMERICA: POLYETHYLENEIMINE MARKET, BY APPLICATION, 2022-2023 (USD MILLION)	169
TABLE 180	SOUTH AMERICA: POLYETHYLENEIMINE MARKET, BY APPLICATION, 2024-2029 (USD MILLION)	169
TABLE 181	SOUTH AMERICA: POLYETHYLENEIMINE MARKET, BY APPLICATION, 2022-2023 (KILOTON)	170
TABLE 182	SOUTH AMERICA: POLYETHYLENEIMINE MARKET, BY APPLICATION, 2024-2029 (KILOTON)	170
9.6.2	BRAZIL	170
9.6.2.1	Growth of chemical industry to drive market	170
TABLE 183	BRAZIL: POLYETHYLENEIMINE MARKET, BY TYPE, 2022-2023 (USD MILLION)	171
TABLE 184	BRAZIL: POLYETHYLENEIMINE MARKET, BY TYPE, 2024-2029 (USD MILLION)	172
TABLE 185	BRAZIL: POLYETHYLENEIMINE MARKET, BY TYPE, 2022-2023 (KILOTON)	172
TABLE 186	BRAZIL: POLYETHYLENEIMINE MARKET, BY TYPE, 2024-2029 (KILOTON)	172
9.6.3	ARGENTINA	172
9.6.3.1	Opportunities for foreign businesses to invest to drive market	172
TABLE 187	ARGENTINA: POLYETHYLENEIMINE MARKET, BY TYPE, 2022-2023 (USD MILLION)	173
TABLE 188	ARGENTINA: POLYETHYLENEIMINE MARKET, BY TYPE, 2024-2029 (USD MILLION)	173
TABLE 189	ARGENTINA: POLYETHYLENEIMINE MARKET, BY TYPE, 2022-2023 (KILOTON)	173
TABLE 190	ARGENTINA: POLYETHYLENEIMINE MARKET, BY TYPE, 2024-2029 (KILOTON)	173
9.6.4	REST OF SOUTH AMERICA	173
TABLE 191	REST OF SOUTH AMERICA: POLYETHYLENEIMINE MARKET, BY TYPE, 2022-2023 (USD MILLION)	174
TABLE 192	REST OF SOUTH AMERICA: POLYETHYLENEIMINE MARKET, BY TYPE, 2024-2029 (USD MILLION)	174
TABLE 193	REST OF SOUTH AMERICA: POLYETHYLENEIMINE MARKET, BY TYPE, 2022-2023 (KILOTON)	174
TABLE 194	REST OF SOUTH AMERICA: POLYETHYLENEIMINE MARKET, BY TYPE, 2024-2029 (KILOTON)	174
10	COMPETITIVE LANDSCAPE	175
10.1	INTRODUCTION	175
10.2	KEY PLAYER STRATEGIES	175
10.2.1	OVERVIEW OF STRATEGIES ADOPTED BY KEY PLAYERS	175
TABLE 195	POLYETHYLENEIMINE MARKET: OVERVIEW OF STRATEGIES ADOPTED BY KEY PLAYERS, 2018-2023	175
10.3	MARKET SHARE ANALYSIS	176
FIGURE 41	POLYETHYLENEIMINE MARKET: MARKET SHARE ANALYSIS, 2023	176
TABLE 196	POLYETHYLENEIMINE MARKET: DEGREE OF COMPETITION	176
10.4	MARKET RANKING ANALYSIS	178
FIGURE 42	RANKING OF POLYETHYLENEIMINE MANUFACTURERS IN 2023	178
10.5	REVENUE ANALYSIS OF TOP FOUR PLAYERS	178
FIGURE 43	POLYETHYLENEIMINE MARKET: REVENUE ANALYSIS OF TOP FOUR PLAYERS	178

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10.6 COMPANY VALUATION AND FINANCIAL METRICS, 2023 179

10.6.1 COMPANY VALUATION 179

FIGURE 44 POLYETHYLENEIMINE MARKET: COMPANY VALUATION 179

10.6.2 FINANCIAL METRICS 179

FIGURE 45 POLYETHYLENEIMINE MARKET: FINANCIAL METRICS 179

10.7 BRAND/PRODUCT COMPARATIVE ANALYSIS 180

TABLE 197 POLYETHYLENEIMINE MARKET: BRAND/PRODUCT COMPARATIVE ANALYSIS 180

10.8 COMPANY EVALUATION MATRIX: KEY PLAYERS, 2023 181

10.8.1 STARS 181

10.8.2 EMERGING LEADERS 181

10.8.3 PERVASIVE PLAYERS 181

10.8.4 PARTICIPANTS 181

FIGURE 46 POLYETHYLENEIMINE MARKET: COMPANY EVALUATION MATRIX (KEY PLAYERS), 2023 182

10.8.5 COMPANY FOOTPRINT: KEY PLAYERS, 2023 183

FIGURE 47 COMPANY FOOTPRINT (25 COMPANIES) 183

TABLE 198 OVERALL COMPANY FOOTPRINT (25 COMPANIES) 184

TABLE 199 REGION: COMPANY FOOTPRINT (25 COMPANIES) 185

TABLE 200 TYPE: COMPANY FOOTPRINT (25 COMPANIES) 186

TABLE 201 APPLICATION: COMPANY FOOTPRINT (25 COMPANIES) 187

10.9 COMPANY EVALUATION MATRIX: STARTUPS/SMES, 2023 189

10.9.1 PROGRESSIVE COMPANIES 189

10.9.2 RESPONSIVE COMPANIES 189

10.9.3 DYNAMIC COMPANIES 189

10.9.4 STARTING BLOCKS 189

FIGURE 48 POLYETHYLENEIMINE MARKET: COMPANY EVALUATION MATRIX (STARTUPS/SMES), 2023 190

10.9.5 COMPETITIVE BENCHMARKING 191

TABLE 202 POLYETHYLENEIMINE MARKET: KEY STARTUPS/SMES 191

10.9.5.1 Competitive benchmarking of key startups/SMEs 192

TABLE 203 POLYETHYLENEIMINE MARKET: COMPETITIVE BENCHMARKING OF KEY STARTUPS/SMES 192

10.10 COMPETITIVE SCENARIO AND TRENDS 193

10.10.1 EXPANSIONS 193

TABLE 204 POLYETHYLENEIMINE MARKET: EXPANSIONS, JANUARY 2018 193

11 COMPANY PROFILES 194

(Business overview, Products/Services/Solutions offered, Recent Developments, MNM view)*

11.1 MAJOR PLAYERS 194

11.1.1 BASF SE 194

TABLE 205 BASF SE: COMPANY OVERVIEW 194

FIGURE 49 BASF SE: COMPANY SNAPSHOT 195

TABLE 206 BASF SE: PRODUCTS/SERVICES/SOLUTIONS OFFERED 195

11.1.2 NIPPON SHOKUBAI CO., LTD. 197

TABLE 207 NIPPON SHOKUBAI CO. LTD.: COMPANY OVERVIEW 197

FIGURE 50 NIPPON SHOKUBAI CO. LTD.: COMPANY SNAPSHOT 197

TABLE 208 NIPPON SHOKUBAI CO. LTD.: PRODUCTS/SERVICES/SOLUTIONS OFFERED 198

TABLE 209 NIPPON SHOKUBAI CO. LTD.: EXPANSIONS, JANUARY 2018 198

11.1.3 DOW INC. 200

FIGURE 51 DOW INC.: COMPANY SNAPSHOT 200

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TABLE 210	DOW INC.: PRODUCTS/SERVICES/SOLUTIONS OFFERED	201
11.1.4	FUJIFILM WAKO PURE CHEMICAL CORPORATION	202
TABLE 211	FUJIFILM WAKO PURE CHEMICAL CORPORATION: COMPANY OVERVIEW	202
FIGURE 52	FUJIFILM WAKO PURE CHEMICAL CORPORATION: COMPANY SNAPSHOT	202
TABLE 212	FUJIFILM WAKO PURE CHEMICAL CORPORATION: PRODUCTS/SERVICES/ SOLUTIONS OFFERED	203
11.1.5	POLYSCIENCES, INC.	204
TABLE 213	POLYSCIENCES, INC.: COMPANY OVERVIEW	204
TABLE 214	POLYSCIENCES, INC.: PRODUCTS/SERVICES/SOLUTIONS OFFERED	204
11.1.6	SERVA ELECTROPHORESIS GMBH	207
TABLE 215	SERVA ELECTROPHORESIS GMBH: COMPANY OVERVIEW	207
TABLE 216	SERVA ELECTROPHORESIS GMBH: PRODUCTS/SERVICES/SOLUTIONS OFFERED	207
11.1.7	SHANGHAI HOLDENCHEM CO., LTD.	208
TABLE 217	SHANGHAI HOLDENCHEM CO., LTD.: COMPANY OVERVIEW	208
TABLE 218	SHANGHAI HOLDENCHEM CO., LTD.: PRODUCTS/SERVICES/SOLUTIONS OFFERED	208
11.1.8	WUHAN BRIGHT CHEMICAL CO., LTD.	209
TABLE 219	WUHAN BRIGHT CHEMICAL CO., LTD. CORPORATION: COMPANY OVERVIEW	209
TABLE 220	WUHAN BRIGHT CHEMICAL CO., LTD.: PRODUCTS/SERVICES/SOLUTIONS OFFERED	209
11.1.9	THERMO FISHER SCIENTIFIC INC.	210
TABLE 221	THERMO FISHER SCIENTIFIC INC.: COMPANY OVERVIEW	210
FIGURE 53	THERMO FISHER SCIENTIFIC INC.: COMPANY SNAPSHOT	210
TABLE 222	THERMO FISHER SCIENTIFIC INC.: PRODUCTS/SERVICES/SOLUTIONS OFFERED	211
11.1.10	TOKYO CHEMICAL INDUSTRY CO., LTD.	212
TABLE 223	TOKYO CHEMICAL INDUSTRY CO., LTD.: COMPANY OVERVIEW	212
TABLE 224	TOKYO CHEMICAL INDUSTRY CO., LTD.: PRODUCTS/SERVICES/SOLUTIONS OFFERED	212
11.2	OTHER PLAYERS	213
11.2.1	HAIHANG INDUSTRY	213
TABLE 225	HAIHANG INDUSTRY: COMPANY OVERVIEW	213
TABLE 226	HAIHANG INDUSTRY: PRODUCTS/SERVICES/SOLUTIONS OFFERED	213
11.2.2	SPECTRUM CHEMICAL	214
TABLE 227	SPECTRUM CHEMICAL: COMPANY OVERVIEW	214
TABLE 228	SPECTRUM CHEMICAL: PRODUCTS/SERVICES/SOLUTIONS OFFERED	214
11.2.3	MOLEKULA GROUP	215
TABLE 229	MOLEKULA GROUP: COMPANY OVERVIEW	215
TABLE 230	MOLEKULA GROUP: PRODUCTS/SERVICES/SOLUTIONS OFFERED	215
11.2.4	NANJING CHEMICAL MATERIAL CORP.	216
TABLE 231	NANJING CHEMICAL MATERIAL CORP.: COMPANY OVERVIEW	216
TABLE 232	NANJING CHEMICAL MATERIAL CORP.: PRODUCTS/SERVICES/SOLUTIONS OFFERED	216
11.2.5	ACTYLIS	217
TABLE 233	ACTYLIS: COMPANY OVERVIEW	217
TABLE 234	ACTYLIS: PRODUCTS/SERVICES/SOLUTIONS OFFERED	217
11.2.6	FENGCHEN GROUP CO., LTD.	218
TABLE 235	FENGCHEN GROUP CO., LTD.: COMPANY OVERVIEW	218
TABLE 236	FENGCHEN GROUP CO., LTD.: PRODUCTS/SERVICES/SOLUTIONS OFFERED	218
11.2.7	UNILONG INDUSTRY CO., LTD.	219
TABLE 237	UNILONG INDUSTRY CO., LTD.: COMPANY OVERVIEW	219
TABLE 238	UNILONG INDUSTRY CO., LTD.: PRODUCTS/SERVICES/SOLUTIONS OFFERED	219
11.2.8	HANGZHOU KEYING CHEM CO., LTD.	220

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TABLE 239 HANGZHOU KEYING CHEM CO., LTD.: COMPANY OVERVIEW 220

TABLE 240 HANGZHOU KEYING CHEM CO., LTD.: PRODUCTS/SERVICES/SOLUTIONS OFFERED 220

11.2.9 BOC SCIENCES 221

TABLE 241 BOC SCIENCES: COMPANY OVERVIEW 221

TABLE 242 BOC SCIENCES: PRODUCTS/SERVICES/SOLUTIONS OFFERED 221

11.2.10 ALFA CHEMISTRY 222

TABLE 243 ALFA CHEMISTRY: COMPANY OVERVIEW 222

TABLE 244 ALFA CHEMISTRY: PRODUCTS/SERVICES/SOLUTIONS OFFERED 222

11.2.11 MAHAVIR EXPOCHEM LTD. 223

TABLE 245 MAHAVIR EXPOCHEM LTD.: COMPANY OVERVIEW 223

TABLE 246 MAHAVIR EXPOCHEM LTD.: PRODUCTS/SERVICES/SOLUTIONS OFFERED 223

11.2.12 SANTA CRUZ BIOTECHNOLOGY 224

TABLE 247 SANTA CRUZ BIOTECHNOLOGY: COMPANY OVERVIEW 224

TABLE 248 SANTA CRUZ BIOTECHNOLOGY: PRODUCTS/SERVICES/SOLUTIONS OFFERED 224

11.2.13 NANJING DULY BIOTECHNOLOGY CO., LTD. 225

TABLE 249 NANJING DULY BIOTECHNOLOGY CO., LTD.: COMPANY OVERVIEW 225

TABLE 250 NANJING DULY BIOTECHNOLOGY CO., LTD.: PRODUCTS/SERVICES/SOLUTIONS OFFERED 225

11.2.14 HENAN TIANFU CHEMICAL CO., LTD. 226

TABLE 251 HENAN TIANFU CHEMICAL CO., LTD.: COMPANY OVERVIEW 226

TABLE 252 HENAN TIANFU CHEMICAL CO., LTD.: PRODUCTS/SERVICES/SOLUTIONS OFFERED 226

?

11.2.15 WUHAN QIANGLONG NEW CHEMICAL MATERIALS CO., LTD. 227

TABLE 253 WUHAN QIANGLONG NEW CHEMICAL MATERIALS CO., LTD.: COMPANY OVERVIEW 227

TABLE 254 WUHAN QIANGLONG NEW CHEMICAL MATERIALS CO., LTD.: PRODUCTS/SERVICES/SOLUTIONS OFFERED 227

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

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