

**Magnesium sulfate Market Research Report Information by Form (Crystal, Powder, and Granules) By Type (Heptahydrate, Anhydrous, Monohydrate, and Others) By End-Use Industry (Fertilizer, Medical, Food Additive, Industrial, Chemical, and Others) and By Region (North America, Europe, Asia-Pacific, South America, Middle East and Africa)-Global Forecast to 2032**

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**Market Overview**

The magnesium sulfate market is expected to reach USD 1136.74 million by 2032, with a compound annual growth rate (CAGR) of 3.79% during the forecast period (2024-2032). Magnesium sulfate is a vital ingredient for plants, helping to improve soil structure, increase nutrient availability, and boost crop yields. This application is likely to boost market growth in the agricultural sector. Magnesium sulfate is especially useful for crops that require a lot of magnesium, like fruits, vegetables, and nuts. Magnesium sulfate is used in the construction sector to slow the setting of cement and concrete. This application is projected to help drive market expansion in the construction industry. Magnesium sulfate is very useful in large-scale building projects that require a controlled setting time for cement and concrete. Magnesium sulfate is a well-known obstetric medication that has been used for many years, primarily to prevent and cure eclampsia. However, its applications go beyond this field. The medicine is also used to treat magnesium insufficiency, seizures, and as a laxative. The growing worldwide population and rising prevalence of chronic diseases are driving the demand for magnesium sulfate in pharmaceuticals. One of the most promising applications for magnesium sulfate in the pharmaceutical market is as a neuroprotective agent. According to research, magnesium sulfate may

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protect the brain, lowering the risk of neurological consequences after traumatic brain injury, stroke, and other neurological illnesses. This has sparked a renewed interest in the development of magnesium sulfate-based treatments for neurological disorders.

#### Market Segment insights

The Magnesium Sulfate Market has been divided into three segments based on form: crystal, powder, and granules. The crystal segment dominated the market in 2023, with a revenue share of 61.90%, and is predicted to rise at a CAGR of 3.71% over the forecast period. Manganese sulfate, in its crystal form, is a solid, structured chemical composed of manganese, sulfur, and oxygen. This type is widely employed in a variety of industries, the most prominent of which is agriculture.

In 2023, the Heptahydrate category will be the most dominant, accounting for 65.64% of the market and worth USD 535.09 million. Heptahydrate manganese sulfate ( $\text{MnSO}_4 \cdot 7\text{H}_2\text{O}$ ) is a crystalline chemical used in agriculture and cattle. In agriculture, it acts as a micronutrient fertilizer, strategically addressing manganese shortages in the soil.

In 2023, the Fertilizer segment had a 29.36% market revenue share, and it is predicted to increase at a CAGR of 4.46 over the forecast period 2024-2032.

#### Key Market Players

The market's leading players are K+S Aktiengesellschaft, PQ Corporation, Nafine Chemical Industry Group Co. Ltd, UMAI CHEMICAL CO., Ltd, Giles Chemical, Morton Salt, Inc, Acuro Organics Limited, and Laizhou Guangcheng Chemical Co. Ltd. LHCHEM and VINIPUL INORGANICS PVT. LTD.

#### Table of Contents:

TABLE OF CONTENTS
1 EXECUTIVE SUMMARY 19
2 MARKET INTRODUCTION 23
2.1 DEFINITION 23
2.2 SCOPE OF THE STUDY 24
2.3 RESEARCH OBJECTIVE 24
2.4 MARKET STRUCTURE 24
3 RESEARCH METHODOLOGY 25
3.1 OVERVIEW 25
3.2 DATA FLOW 27
3.2.1 DATA MINING PROCESS 27
3.3 PURCHASED DATABASE: 28
3.4 SECONDARY SOURCES: 29
3.4.1 SECONDARY RESEARCH DATA FLOW: 30
3.5 PRIMARY RESEARCH: 31
3.5.1 PRIMARY RESEARCH DATA FLOW: 32
3.5.2 PRIMARY RESEARCH: NUMBER OF INTERVIEWS CONDUCTED 33
3.5.3 PRIMARY RESEARCH: REGIONAL COVERAGE 33
3.6 APPROACHES FOR MARKET SIZE ESTIMATION: 34
3.6.1 REVENUE ANALYSIS APPROACH 34
3.7 DATA FORECASTING 34
3.7.1 DATA FORECASTING TECHNIQUE 35
3.8 DATA MODELING 36
3.8.1 MICROECONOMIC FACTOR ANALYSIS: 36
3.8.2 DATA MODELING: 37

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3.9 TEAMS AND ANALYST CONTRIBUTION	39
4 MARKET DYNAMICS	41
4.1 INTRODUCTION	41
4.2 DRIVERS	41
4.2.1 RISING DEMAND FOR MAGNESIUM SULFATE IN THE AGRICULTURAL SECTOR	41
4.2.2 RISING DEMAND FROM FOOD AND BEVERAGE INDUSTRY	43
4.3 RESTRAINTS	45
4.3.1 ADVERSE EFFECTS ASSOCIATED WITH THE USE OF MAGNESIUM SULFATE-BASED DRUGS	45
4.4 OPPORTUNITY	46
4.4.1 INCREASING USE OF MAGNESIUM SULFATE IN MEDICAL APPLICATIONS	46
4.5 IMPACT ANALYSIS OF COVID-19	47
4.5.1 IMPACT ON THE SUPPLY CHAIN OF GLOBAL MAGNESIUM SULFATE MARKET	47
4.5.2 IMPACT ON MARKET DEMAND OF GLOBAL MAGNESIUM SULFATE MARKET	48
4.6 COVID-19 IMPACT ON MAJOR END-USE INDUSTRIES OF MAGNESIUM SULFATE	49
5 MARKET FACTOR ANALYSIS	50
5.1 SUPPLY CHAIN ANALYSIS	50
5.1.1 RAW MATERIAL SUPPLIERS	50
5.1.2 MAGNESIUM SULFATE MANUFACTURERS	50
5.1.3 DISTRIBUTORS	51
5.1.4 END USE INDUSTRY	51
5.2 PORTER'S FIVE FORCES MODEL	52
5.2.1 BARGAINING POWER OF SUPPLIERS	52
5.2.2 BARGAINING POWER OF BUYERS	53
5.2.3 THREAT OF NEW ENTRANTS	53
5.2.4 THREAT OF SUBSTITUTES	53
5.2.5 INTENSITY OF RIVALRY	53
5.3 SUPPLY-DEMAND ANALYSIS	54
5.4 PRICING ANALYSIS	55
5.4.1 PRICING ANALYSIS, 2018-2032 BY REGION, USD/TON	55
5.5 THE MOST COMMON INCOTERMS FOR THE INTERNATIONAL TRADE OF MAGNESIUM SULFATE	60
5.5.1 FAS (FREE ALONGSIDE SHIP) INCOTERMS	60
5.5.2 FCA (FREE CARRIER) INCOTERMS	61
5.5.3 DAP (DELIVERED AT PLACE) INCOTERMS	62
5.5.4 DPU (DELIVERED AT PLACE UNLOADED) INCOTERMS	63
5.6 TRADE ANALYSIS	64
5.6.1 EXPORT ANALYSIS OF THE MAGNESIUM SULFATE MARKET, BY COUNTRY FROM 2018 TO 2022 (USD THOUSAND)	64
5.6.2 IMPORT ANALYSIS OF THE MAGNESIUM SULFATE MARKET, BY COUNTRY FROM 2018 TO 2022 (USD THOUSAND)	67
5.7 PORTS FROM WHERE MAGNESIUM SULFATE IS TRADED INTERNATIONALLY	70
6 GLOBAL MAGNESIUM SULFATE MARKET, BY FORM	73
6.1 INTRODUCTION	73
6.1.1 CRYSTAL	74
6.1.2 POWDER	75
6.1.3 GRANULES	75
7 GLOBAL MAGNESIUM SULFATE MARKET, BY TYPE	76

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7.1 INTRODUCTION	76
7.1.1 HEPTAHYDRATE	77
7.1.2 ANHYDROUS	78
7.1.3 MONOHYDRATE	78
7.1.4 OTHERS	79
8 GLOBAL MAGNESIUM SULFATE MARKET, BY APPLICATION	80
8.1 INTRODUCTION	80
8.1.1 FERTILIZER	82
8.1.2 MEDICAL	82
8.1.3 FOOD ADDITIVES	83
8.1.4 INDUSTRIAL	83
8.1.5 CHEMICAL	83
8.1.6 OTHERS	84
9 GLOBAL MAGNESIUM SULFATE MARKET, BY REGION	85
9.1 OVERVIEW	85
9.2 NORTH AMERICA	87
9.2.1 US	90
9.2.2 CANADA	92
9.2.3 MEXICO	94
9.2.4 EUROPE	96
9.2.5 GERMANY	100
9.2.6 UK	102
9.2.7 FRANCE	104
9.2.8 ITALY	106
9.2.9 SPAIN	108
9.2.10 REST OF EUROPE	110
9.2.11 ASIA PACIFIC	112
9.2.12 CHINA	116
9.2.13 JAPAN	118
9.2.14 INDIA	120
9.2.15 AUSTRALIA	122
9.2.16 SOUTH KOREA	124
9.2.17 REST OF ASIA PACIFIC	126
9.2.18 SOUTH AMERICA	129
9.2.19 BRAZIL	132
9.2.20 ARGENTINA	134
9.2.21 REST OF SOUTH AMERICA	136
9.2.22 MIDDLE EAST & AFRICA	138
9.2.23 GCC COUNTRIES	142
9.2.24 SOUTH AFRICA	144
9.2.25 TURKEY	146
9.2.26 REST OF MIDDLE EAST & AFRICA	148
10 COMPETITIVE LANDSCAPE	151
10.1 INTRODUCTION	151
10.2 COMPETITION DASHBOARD	151
10.3 COMPANY MARKET SHARE ANALYSIS, 2022 (%)	152
10.4 COMPETITIVE BENCHMARKING	153

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10.5 LEADING PLAYERS IN TERMS OF THE NUMBER OF DEVELOPMENTS IN THE MAGNESIUM SULFATE MARKET	154
10.6 LIST OF KEY PLAYERS, BY REGION	154
10.7 COMPARATIVE ANALYSIS: KEY PLAYERS FINANCIAL, 2022	155
10.8 KEY DEVELOPMENTS & GROWTH STRATEGIES	155
10.8.1 NEW PRODUCT LAUNCH/SERVICE DEPLOYMENT	155
10.8.2 MERGER & ACQUISITION	155
10.8.3 CAPACITY EXPANSION	156
11 COMPANY PROFILES	157
11.1 K+S AKTIENGESELLSCHAFT	157
11.1.1 COMPANY OVERVIEW	157
11.1.2 FINANCIAL OVERVIEW	158
11.1.3 PRODUCTS OFFERED	159
11.1.4 KEY DEVELOPMENTS	159
11.1.5 SWOT ANALYSIS	160
11.1.6 KEY STRATEGY	160
11.2 PQ CORPORATION	161
11.2.1 COMPANY OVERVIEW	161
11.2.2 FINANCIAL OVERVIEW	161
11.2.3 PRODUCTS OFFERED	161
11.2.4 KEY DEVELOPMENTS	161
11.2.5 SWOT ANALYSIS	162
11.2.6 KEY STRATEGY	162
11.3 CHINA NAFINE GROUP INTERNATIONAL CO., LTD	163
11.3.1 COMPANY OVERVIEW	163
11.3.2 FINANCIAL OVERVIEW	163
11.3.3 PRODUCTS OFFERED	163
11.3.4 KEY DEVELOPMENTS	163
11.3.5 SWOT ANALYSIS	164
11.3.6 KEY STRATEGY	164
11.4 MORTON SALT, INC.	165
11.4.1 COMPANY OVERVIEW	165
11.4.2 FINANCIAL OVERVIEW	165
11.4.3 PRODUCTS OFFERED	165
11.4.4 KEY DEVELOPMENTS	165
11.4.5 SWOT ANALYSIS	166
11.4.6 KEY STRATEGY	166
11.5 GILES CHEMICAL (PREMIER MAGNESIA)	167
11.5.1 COMPANY OVERVIEW	167
11.5.2 FINANCIAL OVERVIEW	167
11.5.3 PRODUCTS OFFERED	167
11.5.4 KEY DEVELOPMENTS	167
11.5.5 SWOT ANALYSIS	168
11.5.6 KEY STRATEGY	168
11.6 ACURO ORGANICS LIMITED	169
11.6.1 COMPANY OVERVIEW	169
11.6.2 FINANCIAL OVERVIEW	169
11.6.3 PRODUCTS OFFERED	169

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11.6.4 KEY DEVELOPMENTS	169
11.6.5 SWOT ANALYSIS	170
11.6.6 KEY STRATEGY	170
11.7 LAIZHOU GUANGCHENG CHEMICAL CO. LTD	171
11.7.1 COMPANY OVERVIEW	171
11.7.2 FINANCIAL OVERVIEW	171
11.7.3 PRODUCTS OFFERED	171
11.7.4 KEY DEVELOPMENTS	171
11.7.5 SWOT ANALYSIS	172
11.7.6 KEY STRATEGY	172
11.8 UMAI CHEMICAL CO., LTD	173
11.8.1 COMPANY OVERVIEW	173
11.8.2 FINANCIAL OVERVIEW	173
11.8.3 PRODUCTS OFFERED	173
11.8.4 KEY DEVELOPMENTS	173
11.8.5 SWOT ANALYSIS	174
11.8.6 KEY STRATEGY	174
11.9 VINIPUL INORGANICS PVT. LTD.	175
11.9.1 COMPANY OVERVIEW	175
11.9.2 FINANCIAL OVERVIEW	175
11.9.3 PRODUCTS OFFERED	175
11.9.4 KEY DEVELOPMENTS	176
11.9.5 SWOT ANALYSIS	176
11.9.6 KEY STRATEGY	176
11.10 LHCHEM	177
11.10.1 COMPANY OVERVIEW	177
11.10.2 FINANCIAL OVERVIEW	177
11.10.3 PRODUCTS OFFERED	177
11.10.4 KEY DEVELOPMENTS	177
11.10.5 SWOT ANALYSIS	178
11.10.6 KEY STRATEGY	178

**Magnesium sulfate Market Research Report Information by Form (Crystal, Powder, and Granules) By Type (Heptahydrate, Anhydrous, Monohydrate, and Others) By End-Use Industry (Fertilizer, Medical, Food Additive, Industrial, Chemical, and Others) and By Region (North America, Europe, Asia-Pacific, South America, Middle East and Africa)-Global Forecast to 2032**

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