

# Global Non-chloride Deicers Market Research Report 2023

<https://marketpublishers.com/r/G45C80B19807EN.html>

Date: December 2023

Pages: 106

Price: US\$ 2,900.00 (Single User License)

ID: G45C80B19807EN

## Abstracts

Non-chloride based deicers are less commonly used than chloride based deicers on roadways, parking lots, sidewalks and trails due to cost and availability. Airports use almost entirely non-chloride based deicers. Bridge spray systems, parking ramps and areas with low corrosion goals often turn to non-chloride products

According to QYResearch's new survey, global Non-chloride Deicers market is projected to reach US\$ 322.1 million in 2029, increasing from US\$ 266.6 million in 2022, with the CAGR of 2.7% during the period of 2023 to 2029. Influencing issues, such as economy environments, COVID-19 and Russia-Ukraine War, have led to great market fluctuations in the past few years and are considered comprehensively in the whole Non-chloride Deicers market research.

The future of the high-performance material market looks promising with opportunities in the construction, automotive, electrical, and food & beverages applications. The global high-performance material market is expected to grow with a CAGR of 9% to 11% from 2023 to 2029. The major drivers for this market are high-quality components demand from designers are increasing, rising demand in end-use sectors, and increasing number of manufacturers and suppliers in the fluid handling industry.

## Report Scope

This report, based on historical analysis (2018-2022) and forecast calculation (2023-2029), aims to help readers to get a comprehensive understanding of global Non-chloride Deicers market with multiple angles, which provides sufficient supports to readers' strategy and decision making.

By Company

Clariant

Cryotech

Hawkins

Nachurs Alpine Solutions

Jiangsu Kolod Food

Wuxi Yangshan Biochemical

Evonik Industries

Vynova

Ossian

BASF

NASi

ClearWater

Themark

Addcon

Seneca Mineral Company

Esseco

Eastman

Segment by Type

Calcium-magnesium Acetate

Potassium Acetate

Others

#### Segment by Application

Airport

Port

Others

#### Production by Region

North America

Europe

China

Japan

#### Consumption by Region

North America

United States

Canada

Europe

Germany

France

U.K.

Italy

Russia

#### Asia-Pacific

China

Japan

South Korea

China Taiwan

Southeast Asia

India

#### Latin America, Middle East & Africa

Mexico

Brazil

Turkey

GCC Countries

The Non-chloride Deicers report covers below items:

Chapter 1: Product Basic Information (Definition, type and application)

Chapter 2: Manufacturers' Competition Patterns

Chapter 3: Production Region Distribution and Analysis

Chapter 4: Country Level Sales Analysis

Chapter 5: Product Type Analysis

Chapter 6: Product Application Analysis

Chapter 7: Manufacturers' Outline

Chapter 8: Industry Chain, Market Channel and Customer Analysis

Chapter 9: Market Opportunities and Challenges

Chapter 10: Market Conclusions

Chapter 11: Research Methodology and Data Source

## Contents

### **1 NON-CHLORIDE DEICERS MARKET OVERVIEW**

- 1.1 Product Definition
- 1.2 Non-chloride Deicers Segment by Type
  - 1.2.1 Global Non-chloride Deicers Market Value Growth Rate Analysis by Type 2022 VS 2029
  - 1.2.2 Calcium-magnesium Acetate
  - 1.2.3 Potassium Acetate
  - 1.2.4 Others
- 1.3 Non-chloride Deicers Segment by Application
  - 1.3.1 Global Non-chloride Deicers Market Value Growth Rate Analysis by Application: 2022 VS 2029
  - 1.3.2 Airport
  - 1.3.3 Port
  - 1.3.4 Others
- 1.4 Global Market Growth Prospects
  - 1.4.1 Global Non-chloride Deicers Production Value Estimates and Forecasts (2018-2029)
  - 1.4.2 Global Non-chloride Deicers Production Capacity Estimates and Forecasts (2018-2029)
  - 1.4.3 Global Non-chloride Deicers Production Estimates and Forecasts (2018-2029)
  - 1.4.4 Global Non-chloride Deicers Market Average Price Estimates and Forecasts (2018-2029)
- 1.5 Assumptions and Limitations

### **2 MARKET COMPETITION BY MANUFACTURERS**

- 2.1 Global Non-chloride Deicers Production Market Share by Manufacturers (2018-2023)
- 2.2 Global Non-chloride Deicers Production Value Market Share by Manufacturers (2018-2023)
- 2.3 Global Key Players of Non-chloride Deicers, Industry Ranking, 2021 VS 2022 VS 2023
- 2.4 Global Non-chloride Deicers Market Share by Company Type (Tier 1, Tier 2 and Tier 3)
- 2.5 Global Non-chloride Deicers Average Price by Manufacturers (2018-2023)
- 2.6 Global Key Manufacturers of Non-chloride Deicers, Manufacturing Base Distribution

and Headquarters

2.7 Global Key Manufacturers of Non-chloride Deicers, Product Offered and Application

2.8 Global Key Manufacturers of Non-chloride Deicers, Date of Enter into This Industry

2.9 Non-chloride Deicers Market Competitive Situation and Trends

2.9.1 Non-chloride Deicers Market Concentration Rate

2.9.2 Global 5 and 10 Largest Non-chloride Deicers Players Market Share by Revenue

2.10 Mergers & Acquisitions, Expansion

### **3 NON-CHLORIDE DEICERS PRODUCTION BY REGION**

3.1 Global Non-chloride Deicers Production Value Estimates and Forecasts by Region: 2018 VS 2022 VS 2029

3.2 Global Non-chloride Deicers Production Value by Region (2018-2029)

3.2.1 Global Non-chloride Deicers Production Value Market Share by Region (2018-2023)

3.2.2 Global Forecasted Production Value of Non-chloride Deicers by Region (2024-2029)

3.3 Global Non-chloride Deicers Production Estimates and Forecasts by Region: 2018 VS 2022 VS 2029

3.4 Global Non-chloride Deicers Production by Region (2018-2029)

3.4.1 Global Non-chloride Deicers Production Market Share by Region (2018-2023)

3.4.2 Global Forecasted Production of Non-chloride Deicers by Region (2024-2029)

3.5 Global Non-chloride Deicers Market Price Analysis by Region (2018-2023)

3.6 Global Non-chloride Deicers Production and Value, Year-over-Year Growth

3.6.1 North America Non-chloride Deicers Production Value Estimates and Forecasts (2018-2029)

3.6.2 Europe Non-chloride Deicers Production Value Estimates and Forecasts (2018-2029)

3.6.3 China Non-chloride Deicers Production Value Estimates and Forecasts (2018-2029)

3.6.4 Japan Non-chloride Deicers Production Value Estimates and Forecasts (2018-2029)

### **4 NON-CHLORIDE DEICERS CONSUMPTION BY REGION**

4.1 Global Non-chloride Deicers Consumption Estimates and Forecasts by Region: 2018 VS 2022 VS 2029

4.2 Global Non-chloride Deicers Consumption by Region (2018-2029)

4.2.1 Global Non-chloride Deicers Consumption by Region (2018-2023)

#### 4.2.2 Global Non-chloride Deicers Forecasted Consumption by Region (2024-2029)

### 4.3 North America

#### 4.3.1 North America Non-chloride Deicers Consumption Growth Rate by Country: 2018 VS 2022 VS 2029

#### 4.3.2 North America Non-chloride Deicers Consumption by Country (2018-2029)

#### 4.3.3 United States

#### 4.3.4 Canada

### 4.4 Europe

#### 4.4.1 Europe Non-chloride Deicers Consumption Growth Rate by Country: 2018 VS 2022 VS 2029

#### 4.4.2 Europe Non-chloride Deicers Consumption by Country (2018-2029)

#### 4.4.3 Germany

#### 4.4.4 France

#### 4.4.5 U.K.

#### 4.4.6 Italy

#### 4.4.7 Russia

### 4.5 Asia Pacific

#### 4.5.1 Asia Pacific Non-chloride Deicers Consumption Growth Rate by Region: 2018 VS 2022 VS 2029

#### 4.5.2 Asia Pacific Non-chloride Deicers Consumption by Region (2018-2029)

#### 4.5.3 China

#### 4.5.4 Japan

#### 4.5.5 South Korea

#### 4.5.6 China Taiwan

#### 4.5.7 Southeast Asia

#### 4.5.8 India

### 4.6 Latin America, Middle East & Africa

#### 4.6.1 Latin America, Middle East & Africa Non-chloride Deicers Consumption Growth Rate by Country: 2018 VS 2022 VS 2029

#### 4.6.2 Latin America, Middle East & Africa Non-chloride Deicers Consumption by Country (2018-2029)

#### 4.6.3 Mexico

#### 4.6.4 Brazil

#### 4.6.5 Turkey

## 5 SEGMENT BY TYPE

### 5.1 Global Non-chloride Deicers Production by Type (2018-2029)

#### 5.1.1 Global Non-chloride Deicers Production by Type (2018-2023)



- 5.1.2 Global Non-chloride Deicers Production by Type (2024-2029)
- 5.1.3 Global Non-chloride Deicers Production Market Share by Type (2018-2029)
- 5.2 Global Non-chloride Deicers Production Value by Type (2018-2029)
  - 5.2.1 Global Non-chloride Deicers Production Value by Type (2018-2023)
  - 5.2.2 Global Non-chloride Deicers Production Value by Type (2024-2029)
  - 5.2.3 Global Non-chloride Deicers Production Value Market Share by Type (2018-2029)
- 5.3 Global Non-chloride Deicers Price by Type (2018-2029)

## **6 SEGMENT BY APPLICATION**

- 6.1 Global Non-chloride Deicers Production by Application (2018-2029)
  - 6.1.1 Global Non-chloride Deicers Production by Application (2018-2023)
  - 6.1.2 Global Non-chloride Deicers Production by Application (2024-2029)
  - 6.1.3 Global Non-chloride Deicers Production Market Share by Application (2018-2029)
- 6.2 Global Non-chloride Deicers Production Value by Application (2018-2029)
  - 6.2.1 Global Non-chloride Deicers Production Value by Application (2018-2023)
  - 6.2.2 Global Non-chloride Deicers Production Value by Application (2024-2029)
  - 6.2.3 Global Non-chloride Deicers Production Value Market Share by Application (2018-2029)
- 6.3 Global Non-chloride Deicers Price by Application (2018-2029)

## **7 KEY COMPANIES PROFILED**

- 7.1 Clariant
  - 7.1.1 Clariant Non-chloride Deicers Corporation Information
  - 7.1.2 Clariant Non-chloride Deicers Product Portfolio
  - 7.1.3 Clariant Non-chloride Deicers Production, Value, Price and Gross Margin (2018-2023)
  - 7.1.4 Clariant Main Business and Markets Served
  - 7.1.5 Clariant Recent Developments/Updates
- 7.2 Cryotech
  - 7.2.1 Cryotech Non-chloride Deicers Corporation Information
  - 7.2.2 Cryotech Non-chloride Deicers Product Portfolio
  - 7.2.3 Cryotech Non-chloride Deicers Production, Value, Price and Gross Margin (2018-2023)
  - 7.2.4 Cryotech Main Business and Markets Served
  - 7.2.5 Cryotech Recent Developments/Updates

### 7.3 Hawkins

7.3.1 Hawkins Non-chloride Deicers Corporation Information

7.3.2 Hawkins Non-chloride Deicers Product Portfolio

7.3.3 Hawkins Non-chloride Deicers Production, Value, Price and Gross Margin (2018-2023)

7.3.4 Hawkins Main Business and Markets Served

7.3.5 Hawkins Recent Developments/Updates

### 7.4 Nachurs Alpine Solutions

7.4.1 Nachurs Alpine Solutions Non-chloride Deicers Corporation Information

7.4.2 Nachurs Alpine Solutions Non-chloride Deicers Product Portfolio

7.4.3 Nachurs Alpine Solutions Non-chloride Deicers Production, Value, Price and Gross Margin (2018-2023)

7.4.4 Nachurs Alpine Solutions Main Business and Markets Served

7.4.5 Nachurs Alpine Solutions Recent Developments/Updates

### 7.5 Jiangsu Kolod Food

7.5.1 Jiangsu Kolod Food Non-chloride Deicers Corporation Information

7.5.2 Jiangsu Kolod Food Non-chloride Deicers Product Portfolio

7.5.3 Jiangsu Kolod Food Non-chloride Deicers Production, Value, Price and Gross Margin (2018-2023)

7.5.4 Jiangsu Kolod Food Main Business and Markets Served

7.5.5 Jiangsu Kolod Food Recent Developments/Updates

### 7.6 Wuxi Yangshan Biochemical

7.6.1 Wuxi Yangshan Biochemical Non-chloride Deicers Corporation Information

7.6.2 Wuxi Yangshan Biochemical Non-chloride Deicers Product Portfolio

7.6.3 Wuxi Yangshan Biochemical Non-chloride Deicers Production, Value, Price and Gross Margin (2018-2023)

7.6.4 Wuxi Yangshan Biochemical Main Business and Markets Served

7.6.5 Wuxi Yangshan Biochemical Recent Developments/Updates

### 7.7 Evonik Industries

7.7.1 Evonik Industries Non-chloride Deicers Corporation Information

7.7.2 Evonik Industries Non-chloride Deicers Product Portfolio

7.7.3 Evonik Industries Non-chloride Deicers Production, Value, Price and Gross Margin (2018-2023)

7.7.4 Evonik Industries Main Business and Markets Served

7.7.5 Evonik Industries Recent Developments/Updates

### 7.8 Vynova

7.8.1 Vynova Non-chloride Deicers Corporation Information

7.8.2 Vynova Non-chloride Deicers Product Portfolio

7.8.3 Vynova Non-chloride Deicers Production, Value, Price and Gross Margin

(2018-2023)

7.8.4 Vynova Main Business and Markets Served

7.7.5 Vynova Recent Developments/Updates

7.9 Ossian

7.9.1 Ossian Non-chloride Deicers Corporation Information

7.9.2 Ossian Non-chloride Deicers Product Portfolio

7.9.3 Ossian Non-chloride Deicers Production, Value, Price and Gross Margin

(2018-2023)

7.9.4 Ossian Main Business and Markets Served

7.9.5 Ossian Recent Developments/Updates

7.10 BASF

7.10.1 BASF Non-chloride Deicers Corporation Information

7.10.2 BASF Non-chloride Deicers Product Portfolio

7.10.3 BASF Non-chloride Deicers Production, Value, Price and Gross Margin

(2018-2023)

7.10.4 BASF Main Business and Markets Served

7.10.5 BASF Recent Developments/Updates

7.11 NASi

7.11.1 NASi Non-chloride Deicers Corporation Information

7.11.2 NASi Non-chloride Deicers Product Portfolio

7.11.3 NASi Non-chloride Deicers Production, Value, Price and Gross Margin

(2018-2023)

7.11.4 NASi Main Business and Markets Served

7.11.5 NASi Recent Developments/Updates

7.12 ClearWater

7.12.1 ClearWater Non-chloride Deicers Corporation Information

7.12.2 ClearWater Non-chloride Deicers Product Portfolio

7.12.3 ClearWater Non-chloride Deicers Production, Value, Price and Gross Margin

(2018-2023)

7.12.4 ClearWater Main Business and Markets Served

7.12.5 ClearWater Recent Developments/Updates

7.13 Themark

7.13.1 Themark Non-chloride Deicers Corporation Information

7.13.2 Themark Non-chloride Deicers Product Portfolio

7.13.3 Themark Non-chloride Deicers Production, Value, Price and Gross Margin

(2018-2023)

7.13.4 Themark Main Business and Markets Served

7.13.5 Themark Recent Developments/Updates

7.14 Addcon

- 7.14.1 Addcon Non-chloride Deicers Corporation Information
- 7.14.2 Addcon Non-chloride Deicers Product Portfolio
- 7.14.3 Addcon Non-chloride Deicers Production, Value, Price and Gross Margin (2018-2023)
- 7.14.4 Addcon Main Business and Markets Served
- 7.14.5 Addcon Recent Developments/Updates
- 7.15 Seneca Mineral Company
  - 7.15.1 Seneca Mineral Company Non-chloride Deicers Corporation Information
  - 7.15.2 Seneca Mineral Company Non-chloride Deicers Product Portfolio
  - 7.15.3 Seneca Mineral Company Non-chloride Deicers Production, Value, Price and Gross Margin (2018-2023)
  - 7.15.4 Seneca Mineral Company Main Business and Markets Served
  - 7.15.5 Seneca Mineral Company Recent Developments/Updates
- 7.16 Esseco
  - 7.16.1 Esseco Non-chloride Deicers Corporation Information
  - 7.16.2 Esseco Non-chloride Deicers Product Portfolio
  - 7.16.3 Esseco Non-chloride Deicers Production, Value, Price and Gross Margin (2018-2023)
  - 7.16.4 Esseco Main Business and Markets Served
  - 7.16.5 Esseco Recent Developments/Updates
- 7.17 Eastman
  - 7.17.1 Eastman Non-chloride Deicers Corporation Information
  - 7.17.2 Eastman Non-chloride Deicers Product Portfolio
  - 7.17.3 Eastman Non-chloride Deicers Production, Value, Price and Gross Margin (2018-2023)
  - 7.17.4 Eastman Main Business and Markets Served
  - 7.17.5 Eastman Recent Developments/Updates

## **8 INDUSTRY CHAIN AND SALES CHANNELS ANALYSIS**

- 8.1 Non-chloride Deicers Industry Chain Analysis
- 8.2 Non-chloride Deicers Key Raw Materials
  - 8.2.1 Key Raw Materials
  - 8.2.2 Raw Materials Key Suppliers
- 8.3 Non-chloride Deicers Production Mode & Process
- 8.4 Non-chloride Deicers Sales and Marketing
  - 8.4.1 Non-chloride Deicers Sales Channels
  - 8.4.2 Non-chloride Deicers Distributors
- 8.5 Non-chloride Deicers Customers

## **9 NON-CHLORIDE DEICERS MARKET DYNAMICS**

- 9.1 Non-chloride Deicers Industry Trends
- 9.2 Non-chloride Deicers Market Drivers
- 9.3 Non-chloride Deicers Market Challenges
- 9.4 Non-chloride Deicers Market Restraints

## **10 RESEARCH FINDING AND CONCLUSION**

## **11 METHODOLOGY AND DATA SOURCE**

- 11.1 Methodology/Research Approach
  - 11.1.1 Research Programs/Design
  - 11.1.2 Market Size Estimation
  - 11.1.3 Market Breakdown and Data Triangulation
- 11.2 Data Source
  - 11.2.1 Secondary Sources
  - 11.2.2 Primary Sources
- 11.3 Author List
- 11.4 Disclaimer

## List Of Tables

### LIST OF TABLES

- Table 1. Global Non-chloride Deicers Market Value by Type, (US\$ Million) & (2022 VS 2029)
- Table 2. Global Non-chloride Deicers Market Value by Application, (US\$ Million) & (2022 VS 2029)
- Table 3. Global Non-chloride Deicers Production Capacity (K MT) by Manufacturers in 2022
- Table 4. Global Non-chloride Deicers Production by Manufacturers (2018-2023) & (K MT)
- Table 5. Global Non-chloride Deicers Production Market Share by Manufacturers (2018-2023)
- Table 6. Global Non-chloride Deicers Production Value by Manufacturers (2018-2023) & (US\$ Million)
- Table 7. Global Non-chloride Deicers Production Value Share by Manufacturers (2018-2023)
- Table 8. Global Non-chloride Deicers Industry Ranking 2021 VS 2022 VS 2023
- Table 9. Company Type (Tier 1, Tier 2 and Tier 3) & (based on the Revenue in Non-chloride Deicers as of 2022)
- Table 10. Global Market Non-chloride Deicers Average Price by Manufacturers (USD/MT) & (2018-2023)
- Table 11. Manufacturers Non-chloride Deicers Production Sites and Area Served
- Table 12. Manufacturers Non-chloride Deicers Product Types
- Table 13. Global Non-chloride Deicers Manufacturers Market Concentration Ratio (CR5 and HHI)
- Table 14. Mergers & Acquisitions, Expansion
- Table 15. Global Non-chloride Deicers Production Value by Region: 2018 VS 2022 VS 2029 (US\$ Million)
- Table 16. Global Non-chloride Deicers Production Value (US\$ Million) by Region (2018-2023)
- Table 17. Global Non-chloride Deicers Production Value Market Share by Region (2018-2023)
- Table 18. Global Non-chloride Deicers Production Value (US\$ Million) Forecast by Region (2024-2029)
- Table 19. Global Non-chloride Deicers Production Value Market Share Forecast by Region (2024-2029)
- Table 20. Global Non-chloride Deicers Production Comparison by Region: 2018 VS

2022 VS 2029 (K MT)

Table 21. Global Non-chloride Deicers Production (K MT) by Region (2018-2023)

Table 22. Global Non-chloride Deicers Production Market Share by Region (2018-2023)

Table 23. Global Non-chloride Deicers Production (K MT) Forecast by Region (2024-2029)

Table 24. Global Non-chloride Deicers Production Market Share Forecast by Region (2024-2029)

Table 25. Global Non-chloride Deicers Market Average Price (USD/MT) by Region (2018-2023)

Table 26. Global Non-chloride Deicers Market Average Price (USD/MT) by Region (2024-2029)

Table 27. Global Non-chloride Deicers Consumption Growth Rate by Region: 2018 VS 2022 VS 2029 (K MT)

Table 28. Global Non-chloride Deicers Consumption by Region (2018-2023) & (K MT)

Table 29. Global Non-chloride Deicers Consumption Market Share by Region (2018-2023)

Table 30. Global Non-chloride Deicers Forecasted Consumption by Region (2024-2029) & (K MT)

Table 31. Global Non-chloride Deicers Forecasted Consumption Market Share by Region (2018-2023)

Table 32. North America Non-chloride Deicers Consumption Growth Rate by Country: 2018 VS 2022 VS 2029 (K MT)

Table 33. North America Non-chloride Deicers Consumption by Country (2018-2023) & (K MT)

Table 34. North America Non-chloride Deicers Consumption by Country (2024-2029) & (K MT)

Table 35. Europe Non-chloride Deicers Consumption Growth Rate by Country: 2018 VS 2022 VS 2029 (K MT)

Table 36. Europe Non-chloride Deicers Consumption by Country (2018-2023) & (K MT)

Table 37. Europe Non-chloride Deicers Consumption by Country (2024-2029) & (K MT)

Table 38. Asia Pacific Non-chloride Deicers Consumption Growth Rate by Region: 2018 VS 2022 VS 2029 (K MT)

Table 39. Asia Pacific Non-chloride Deicers Consumption by Region (2018-2023) & (K MT)

Table 40. Asia Pacific Non-chloride Deicers Consumption by Region (2024-2029) & (K MT)

Table 41. Latin America, Middle East & Africa Non-chloride Deicers Consumption Growth Rate by Country: 2018 VS 2022 VS 2029 (K MT)

Table 42. Latin America, Middle East & Africa Non-chloride Deicers Consumption by

Country (2018-2023) & (K MT)

Table 43. Latin America, Middle East & Africa Non-chloride Deicers Consumption by Country (2024-2029) & (K MT)

Table 44. Global Non-chloride Deicers Production (K MT) by Type (2018-2023)

Table 45. Global Non-chloride Deicers Production (K MT) by Type (2024-2029)

Table 46. Global Non-chloride Deicers Production Market Share by Type (2018-2023)

Table 47. Global Non-chloride Deicers Production Market Share by Type (2024-2029)

Table 48. Global Non-chloride Deicers Production Value (US\$ Million) by Type (2018-2023)

Table 49. Global Non-chloride Deicers Production Value (US\$ Million) by Type (2024-2029)

Table 50. Global Non-chloride Deicers Production Value Share by Type (2018-2023)

Table 51. Global Non-chloride Deicers Production Value Share by Type (2024-2029)

Table 52. Global Non-chloride Deicers Price (USD/MT) by Type (2018-2023)

Table 53. Global Non-chloride Deicers Price (USD/MT) by Type (2024-2029)

Table 54. Global Non-chloride Deicers Production (K MT) by Application (2018-2023)

Table 55. Global Non-chloride Deicers Production (K MT) by Application (2024-2029)

Table 56. Global Non-chloride Deicers Production Market Share by Application (2018-2023)

Table 57. Global Non-chloride Deicers Production Market Share by Application (2024-2029)

Table 58. Global Non-chloride Deicers Production Value (US\$ Million) by Application (2018-2023)

Table 59. Global Non-chloride Deicers Production Value (US\$ Million) by Application (2024-2029)

Table 60. Global Non-chloride Deicers Production Value Share by Application (2018-2023)

Table 61. Global Non-chloride Deicers Production Value Share by Application (2024-2029)

Table 62. Global Non-chloride Deicers Price (USD/MT) by Application (2018-2023)

Table 63. Global Non-chloride Deicers Price (USD/MT) by Application (2024-2029)

Table 64. Clariant Non-chloride Deicers Corporation Information

Table 65. Clariant Specification and Application

Table 66. Clariant Non-chloride Deicers Production (K MT), Value (US\$ Million), Price (USD/MT) and Gross Margin (2018-2023)

Table 67. Clariant Main Business and Markets Served

Table 68. Clariant Recent Developments/Updates

Table 69. Cryotech Non-chloride Deicers Corporation Information

Table 70. Cryotech Specification and Application



Table 71. Cryotech Non-chloride Deicers Production (K MT), Value (US\$ Million), Price (USD/MT) and Gross Margin (2018-2023)

Table 72. Cryotech Main Business and Markets Served

Table 73. Cryotech Recent Developments/Updates

Table 74. Hawkins Non-chloride Deicers Corporation Information

Table 75. Hawkins Specification and Application

Table 76. Hawkins Non-chloride Deicers Production (K MT), Value (US\$ Million), Price (USD/MT) and Gross Margin (2018-2023)

Table 77. Hawkins Main Business and Markets Served

Table 78. Hawkins Recent Developments/Updates

Table 79. Nachurs Alpine Solutions Non-chloride Deicers Corporation Information

Table 80. Nachurs Alpine Solutions Specification and Application

Table 81. Nachurs Alpine Solutions Non-chloride Deicers Production (K MT), Value (US\$ Million), Price (USD/MT) and Gross Margin (2018-2023)

Table 82. Nachurs Alpine Solutions Main Business and Markets Served

Table 83. Nachurs Alpine Solutions Recent Developments/Updates

Table 84. Jiangsu Kolod Food Non-chloride Deicers Corporation Information

Table 85. Jiangsu Kolod Food Specification and Application

Table 86. Jiangsu Kolod Food Non-chloride Deicers Production (K MT), Value (US\$ Million), Price (USD/MT) and Gross Margin (2018-2023)

Table 87. Jiangsu Kolod Food Main Business and Markets Served

Table 88. Jiangsu Kolod Food Recent Developments/Updates

Table 89. Wuxi Yangshan Biochemical Non-chloride Deicers Corporation Information

Table 90. Wuxi Yangshan Biochemical Specification and Application

Table 91. Wuxi Yangshan Biochemical Non-chloride Deicers Production (K MT), Value (US\$ Million), Price (USD/MT) and Gross Margin (2018-2023)

Table 92. Wuxi Yangshan Biochemical Main Business and Markets Served

Table 93. Wuxi Yangshan Biochemical Recent Developments/Updates

Table 94. Evonik Industries Non-chloride Deicers Corporation Information

Table 95. Evonik Industries Specification and Application

Table 96. Evonik Industries Non-chloride Deicers Production (K MT), Value (US\$ Million), Price (USD/MT) and Gross Margin (2018-2023)

Table 97. Evonik Industries Main Business and Markets Served

Table 98. Evonik Industries Recent Developments/Updates

Table 99. Vynova Non-chloride Deicers Corporation Information

Table 100. Vynova Specification and Application

Table 101. Vynova Non-chloride Deicers Production (K MT), Value (US\$ Million), Price (USD/MT) and Gross Margin (2018-2023)

Table 102. Vynova Main Business and Markets Served

Table 103. Vynova Recent Developments/Updates

Table 104. Ossian Non-chloride Deicers Corporation Information

Table 105. Ossian Specification and Application

Table 106. Ossian Non-chloride Deicers Production (K MT), Value (US\$ Million), Price (USD/MT) and Gross Margin (2018-2023)

Table 107. Ossian Main Business and Markets Served

Table 108. Ossian Recent Developments/Updates

Table 109. BASF Non-chloride Deicers Corporation Information

Table 110. BASF Specification and Application

Table 111. BASF Non-chloride Deicers Production (K MT), Value (US\$ Million), Price (USD/MT) and Gross Margin (2018-2023)

Table 112. BASF Main Business and Markets Served

Table 113. BASF Recent Developments/Updates

Table 114. NASi Non-chloride Deicers Corporation Information

Table 115. NASi Specification and Application

Table 116. NASi Non-chloride Deicers Production (K MT), Value (US\$ Million), Price (USD/MT) and Gross Margin (2018-2023)

Table 117. NASi Main Business and Markets Served

Table 118. NASi Recent Developments/Updates

Table 119. ClearWater Non-chloride Deicers Corporation Information

Table 120. ClearWater Specification and Application

Table 121. ClearWater Non-chloride Deicers Production (K MT), Value (US\$ Million), Price (USD/MT) and Gross Margin (2018-2023)

Table 122. ClearWater Main Business and Markets Served

Table 123. ClearWater Recent Developments/Updates

Table 124. Themark Non-chloride Deicers Corporation Information

Table 125. Themark Specification and Application

Table 126. Themark Non-chloride Deicers Production (K MT), Value (US\$ Million), Price (USD/MT) and Gross Margin (2018-2023)

Table 127. Themark Main Business and Markets Served

Table 128. Themark Recent Developments/Updates

Table 129. Addcon Non-chloride Deicers Corporation Information

Table 130. Addcon Specification and Application

Table 131. Addcon Non-chloride Deicers Production (K MT), Value (US\$ Million), Price (USD/MT) and Gross Margin (2018-2023)

Table 132. Addcon Main Business and Markets Served

Table 133. Addcon Recent Developments/Updates

Table 134. Addcon Non-chloride Deicers Corporation Information

Table 135. Seneca Mineral Company Specification and Application

- Table 136. Seneca Mineral Company Non-chloride Deicers Production (K MT), Value (US\$ Million), Price (USD/MT) and Gross Margin (2018-2023)
- Table 137. Seneca Mineral Company Main Business and Markets Served
- Table 138. Seneca Mineral Company Recent Developments/Updates
- Table 139. Esseco Non-chloride Deicers Corporation Information
- Table 140. Esseco Non-chloride Deicers Production (K MT), Value (US\$ Million), Price (USD/MT) and Gross Margin (2018-2023)
- Table 141. Esseco Main Business and Markets Served
- Table 142. Esseco Recent Developments/Updates
- Table 143. Eastman Non-chloride Deicers Corporation Information
- Table 144. Eastman Specification and Application
- Table 145. Eastman Non-chloride Deicers Production (K MT), Value (US\$ Million), Price (USD/MT) and Gross Margin (2018-2023)
- Table 146. Eastman Main Business and Markets Served
- Table 147. Eastman Recent Developments/Updates
- Table 148. Key Raw Materials Lists
- Table 149. Raw Materials Key Suppliers Lists
- Table 150. Non-chloride Deicers Distributors List
- Table 151. Non-chloride Deicers Customers List
- Table 152. Non-chloride Deicers Market Trends
- Table 153. Non-chloride Deicers Market Drivers
- Table 154. Non-chloride Deicers Market Challenges
- Table 155. Non-chloride Deicers Market Restraints
- Table 156. Research Programs/Design for This Report
- Table 157. Key Data Information from Secondary Sources
- Table 158. Key Data Information from Primary Sources

## List Of Figures

### LIST OF FIGURES

- Figure 1. Product Picture of Non-chloride Deicers
- Figure 2. Global Non-chloride Deicers Market Value by Type, (US\$ Million) & (2022 VS 2029)
- Figure 3. Global Non-chloride Deicers Market Share by Type: 2022 VS 2029
- Figure 4. Calcium-magnesium Acetate Product Picture
- Figure 5. Potassium Acetate Product Picture
- Figure 6. Others Product Picture
- Figure 7. Global Non-chloride Deicers Market Value by Application, (US\$ Million) & (2022 VS 2029)
- Figure 8. Global Non-chloride Deicers Market Share by Application: 2022 VS 2029
- Figure 9. Airport
- Figure 10. Port
- Figure 11. Others
- Figure 12. Global Non-chloride Deicers Production Value (US\$ Million), 2018 VS 2022 VS 2029
- Figure 13. Global Non-chloride Deicers Production Value (US\$ Million) & (2018-2029)
- Figure 14. Global Non-chloride Deicers Production Capacity (K MT) & (2018-2029)
- Figure 15. Global Non-chloride Deicers Production (K MT) & (2018-2029)
- Figure 16. Global Non-chloride Deicers Average Price (USD/MT) & (2018-2029)
- Figure 17. Non-chloride Deicers Report Years Considered
- Figure 18. Non-chloride Deicers Production Share by Manufacturers in 2022
- Figure 19. Non-chloride Deicers Market Share by Company Type (Tier 1, Tier 2, and Tier 3): 2018 VS 2022
- Figure 20. The Global 5 and 10 Largest Players: Market Share by Non-chloride Deicers Revenue in 2022
- Figure 21. Global Non-chloride Deicers Production Value by Region: 2018 VS 2022 VS 2029 (US\$ Million)
- Figure 22. Global Non-chloride Deicers Production Value Market Share by Region: 2018 VS 2022 VS 2029
- Figure 23. Global Non-chloride Deicers Production Comparison by Region: 2018 VS 2022 VS 2029 (K MT)
- Figure 24. Global Non-chloride Deicers Production Market Share by Region: 2018 VS 2022 VS 2029
- Figure 25. North America Non-chloride Deicers Production Value (US\$ Million) Growth Rate (2018-2029)

Figure 26. Europe Non-chloride Deicers Production Value (US\$ Million) Growth Rate (2018-2029)

Figure 27. China Non-chloride Deicers Production Value (US\$ Million) Growth Rate (2018-2029)

Figure 28. Japan Non-chloride Deicers Production Value (US\$ Million) Growth Rate (2018-2029)

Figure 29. Global Non-chloride Deicers Consumption by Region: 2018 VS 2022 VS 2029 (K MT)

Figure 30. Global Non-chloride Deicers Consumption Market Share by Region: 2018 VS 2022 VS 2029

Figure 31. North America Non-chloride Deicers Consumption and Growth Rate (2018-2023) & (K MT)

Figure 32. North America Non-chloride Deicers Consumption Market Share by Country (2018-2029)

Figure 33. Canada Non-chloride Deicers Consumption and Growth Rate (2018-2023) & (K MT)

Figure 34. U.S. Non-chloride Deicers Consumption and Growth Rate (2018-2023) & (K MT)

Figure 35. Europe Non-chloride Deicers Consumption and Growth Rate (2018-2023) & (K MT)

Figure 36. Europe Non-chloride Deicers Consumption Market Share by Country (2018-2029)

Figure 37. Germany Non-chloride Deicers Consumption and Growth Rate (2018-2023) & (K MT)

Figure 38. France Non-chloride Deicers Consumption and Growth Rate (2018-2023) & (K MT)

Figure 39. U.K. Non-chloride Deicers Consumption and Growth Rate (2018-2023) & (K MT)

Figure 40. Italy Non-chloride Deicers Consumption and Growth Rate (2018-2023) & (K MT)

Figure 41. Russia Non-chloride Deicers Consumption and Growth Rate (2018-2023) & (K MT)

Figure 42. Asia Pacific Non-chloride Deicers Consumption and Growth Rate (2018-2023) & (K MT)

Figure 43. Asia Pacific Non-chloride Deicers Consumption Market Share by Regions (2018-2029)

Figure 44. China Non-chloride Deicers Consumption and Growth Rate (2018-2023) & (K MT)

Figure 45. Japan Non-chloride Deicers Consumption and Growth Rate (2018-2023) &

(K MT)

Figure 46. South Korea Non-chloride Deicers Consumption and Growth Rate (2018-2023) & (K MT)

Figure 47. China Taiwan Non-chloride Deicers Consumption and Growth Rate (2018-2023) & (K MT)

Figure 48. Southeast Asia Non-chloride Deicers Consumption and Growth Rate (2018-2023) & (K MT)

Figure 49. India Non-chloride Deicers Consumption and Growth Rate (2018-2023) & (K MT)

Figure 50. Latin America, Middle East & Africa Non-chloride Deicers Consumption and Growth Rate (2018-2023) & (K MT)

Figure 51. Latin America, Middle East & Africa Non-chloride Deicers Consumption Market Share by Country (2018-2029)

Figure 52. Mexico Non-chloride Deicers Consumption and Growth Rate (2018-2023) & (K MT)

Figure 53. Brazil Non-chloride Deicers Consumption and Growth Rate (2018-2023) & (K MT)

Figure 54. Turkey Non-chloride Deicers Consumption and Growth Rate (2018-2023) & (K MT)

Figure 55. GCC Countries Non-chloride Deicers Consumption and Growth Rate (2018-2023) & (K MT)

Figure 56. Global Production Market Share of Non-chloride Deicers by Type (2018-2029)

Figure 57. Global Production Value Market Share of Non-chloride Deicers by Type (2018-2029)

Figure 58. Global Non-chloride Deicers Price (USD/MT) by Type (2018-2029)

Figure 59. Global Production Market Share of Non-chloride Deicers by Application (2018-2029)

Figure 60. Global Production Value Market Share of Non-chloride Deicers by Application (2018-2029)

Figure 61. Global Non-chloride Deicers Price (USD/MT) by Application (2018-2029)

Figure 62. Non-chloride Deicers Value Chain

Figure 63. Non-chloride Deicers Production Process

Figure 64. Channels of Distribution (Direct Vs Distribution)

Figure 65. Distributors Profiles

Figure 66. Bottom-up and Top-down Approaches for This Report

Figure 67. Data Triangulation

## I would like to order

Product name: Global Non-chloride Deicers Market Research Report 2023

Product link: <https://marketpublishers.com/r/G45C80B19807EN.html>

Price: US\$ 2,900.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G45C80B19807EN.html>

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

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

**\*\*All fields are required**

Customer signature \_\_\_\_\_

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

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970