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Global Solid De-icer Market Growth 2025-2031

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Abstracts

The global Solid De-icer market size is predicted to grow from US$ 634 million in 2025 to US$ 743 million in 2031; it is expected to grow at a CAGR of 2.7% from 2025 to 2031.

The impact of the latest U.S. tariff measures and the corresponding policy responses from countries worldwide on market competitiveness, regional economic performance, and supply chain configurations will be comprehensively evaluated in this report.

De-icing is the process of removing snow, ice or frost from a surface. Anti-icing is understood to be the application of chemicals that not only de-ice but also remain on a surface and continue to delay the reformation of ice for a certain period of time, or prevent adhesion of ice to make mechanical removal easier.

The development trend of solid de-icers is being driven by stricter environmental regulations, frequent extreme weather in winter, upgraded infrastructure maintenance needs, and breakthroughs in new material technologies. Traditional chloride-based (such as sodium chloride, calcium chloride) solid de-icers are facing replacement pressure due to their corrosiveness to roads, vehicles and the environment, driving the market to transform to environmentally friendly products, such as low-corrosive organic salts such as potassium acetate (KAc) and sodium formate (NaFo), as well as compound formulas with added corrosion inhibitors or biodegradable ingredients. The increase in extreme snowfall events (such as North America, Northern Europe and high-latitude areas in Asia) has stimulated the demand for emergency reserves of de-icers on airport runways, highways and urban roads, while emerging application scenarios such as high-speed rail tracks and wind turbine blades have further expanded the market space. In the future, solid de-icers will develop in the direction of high efficiency and low carbon, precise controlled release and multifunctional integration (such as ice melting + antifreeze + road protection), but cost pressure (high prices of environmentally

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friendly materials) and long-term performance verification are still bottlenecks for popularization.

LP Information, Inc. (LPI) ' newest research report, the “Solid De-icer Industry Forecast” looks at past sales and reviews total world Solid De-icer sales in 2024, providing a comprehensive analysis by region and market sector of projected Solid De-icer sales for 2025 through 2031. With Solid De-icer sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US$ millions of the world Solid De-icer industry.

This Insight Report provides a comprehensive analysis of the global Solid De-icer landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Solid De-icer portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms’ unique position in an accelerating global Solid De-icer market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Solid De-icer and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Solid De-icer.

This report presents a comprehensive overview, market shares, and growth opportunities of Solid De-icer market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Sodium formate

Calcium Chloride Pellet

Potassium Acetate

Others

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Segmentation by Application:

- Road
- Airport
- Port
- Household
- Others

This report also splits the market by region:

- Americas
  - United States
  - Canada
  - Mexico
  - Brazil
- APAC
  - China
  - Japan
  - Korea
  - Southeast Asia
  - India
  - Australia

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Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Compass Minerals

Cargill

Kissner

Green Earth Deicer

General Atomics

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OxyChem

Ossian

Blank Industries

BCA Products

Xynyth

Alaskan

Windsor Salt

AgSalt Processing

Seneca Mineral

CryoTech

Innovative

Fisher Darville

Kasco Marine

Nouryon

Clariant

Safecote

Key Questions Addressed in this Report

What is the 10-year outlook for the global Solid De-icer market?
What factors are driving Solid De-icer market growth, globally and by region?
Which technologies are poised for the fastest growth by market and region?
How do Solid De-icer market opportunities vary by end market size?

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How does Solid De-icer break out by Type, by Application?

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