

# Plant Antifreeze Market: Clear Understanding of The Competitive Landscape and Key Product Segments

Plant Antifreeze Market Growth, Share Analysis And Trends 2021 To 2031

PORTLAND, OR, UNITED STATES, October 4, 2024 /EINPresswire.com/ --The latest report from Allied Market Research reveals insights into the global <u>plant antifreeze market</u>, indicating its value at \$1.9 billion in 2021, with a projected surge to \$3.0 billion by 2031, exhibiting a steady Compound Annual Growth Rate (CAGR) of 5.0% from 2022 to 2031. This



comprehensive report delves into key aspects such as investment opportunities, winning strategies, market drivers, competitive landscape, and emerging trends, serving as a valuable resource for stakeholders, investors, and newcomers seeking to strategize for the future and enhance their market positions.

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Plant Antifreeze refers to natural and engineered substances or strategies that help plants withstand freezing temperatures." David Correa The onset of the COVID-19 pandemic significantly impacted the supply of agro-food products both domestically and internationally, affecting the operations of synthetic plant antifreeze manufacturers due to workforce-related risks. Consequently, the demand and supply chain of the plant antifreeze market experienced temporary disruptions during the first quarter of 2020.

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Plant antifreeze chemicals aid in lowering the freezing point of water within plant tissues, enabling them to withstand colder temperatures than usual. Chemicals like ethylene glycol, propylene glycol, glycerin, and others induce plants to produce antifreeze proteins and amino acids, thus safeguarding against cold and frost conditions. The global plant antifreeze market is segmented by product, application, and region, offering an in-depth analysis supported by tabular and graphical representation. Investors and industry players can leverage this segmentation to devise strategies based on revenue-generating and fast-growing segments outlined in the report.

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Product-wise, the propylene glycol segment accounted for over two-fifths of the market revenue in 2021 and is poised to maintain dominance by 2031, with an expected fastest CAGR of 5.5%. Other segments including ethylene glycol, glycerin, and methanol are also assessed in the report.

In terms of application, the cereals segment captured nearly half of the market share in 2021 and is projected to continue leading through 2031, exhibiting the fastest CAGR of 5.5% during the forecast period. Additional segments such as horticulture crops, cash crops, and turfs & ornamental crops are also scrutinized.

Regionally, North America dominated the market in 2021, accounting for approximately half of the global plant antifreeze market revenue and is expected to maintain its position through 2031. However, the Asia-Pacific region is anticipated to witness the fastest CAGR of 5.5% during the forecast period, driven by increasing agricultural activities and demand for plant antifreeze solutions.

Key market players such as Bayer AG, Chevron Phillips Chemical Company LLC, DuPont, ADAMA, ExxonMobil Corporation, Gharda Chemicals Ltd, Nufarm, Sumitomo Chemical Co., Ltd., and BASF SE are analyzed in the report. These players have adopted various strategies including partnerships, expansions, collaborations, and joint ventures to strengthen their presence in the industry. The report offers insights into their business performance, product portfolios, operating segments, and recent developments.

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