

**Phosphonates Market By Type (ATMP, HEDP, DTPMP, BHMT, Others), By Application (Water Cleaner, Scale Inhibitors, Bleach Stabilizer, Chelating Agents, Concrete Additives, Others), By End Use (Water Treatment, Pharmaceutical, Textile, Oil and Gas, Pulp and Paper, Agriculture, Others): Global Opportunity Analysis and Industry Forecast, 2021-2031**

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**Report description:**

The global phosphonates market was valued at \$0.9 billion in 2021, and is projected to reach \$1.6 billion by 2031, growing at a CAGR of 5.98% from 2022 to 2031.

Phosphonate is an organophosphorous compound that is used as a strong complexing agent in bleach-containing detergents for the stabilization of active compounds by preventing catalytic decomposition over detergents due to heavy metal traces. Moreover, phosphonates are increasingly used in medicines to treat disorders associated with bone formation and calcium metabolism. In addition, they find application in a wide range of industries, including water treatment, textiles, pulp & paper, oil & gas, and agriculture.

Rise in building & construction sites near rivers as well as discharge of sewage, garbage, liquid waste of households, and industrial waste directly into lakes and rivers affect the quality of freshwater and lead to shortage in supplying fresh water to the community. Phosphonates act as effective water softeners that prevent the formation of water-insoluble precipitates and stabilize & chelate metal ions, thus inhibiting corrosion. In addition, phosphonates are a good scale inhibitor for water cooling systems that help in increasing the shelf life of water contained equipment/container. Thus, increase in adoption of phosphonate as water softeners is acts as a key growth driver of the global market. Moreover, phosphonates possesses antiviral, antibacterial, and bioactive properties such as drugs and pro-drugs that are used to design enzyme inhibitors, which drive their demand in the pharmaceutical industry. In addition, phosphonate nucleotide analogs such as tenofovir, cidofovir, and adefovir are critical antiviral medicines that are widely used to treat HIV, hepatitis B, and osteoporosis, which fosters the growth of the phosphonates

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market.

However, phosphonates are non-biodegradable in nature and their molecules are heavier than water, making them settle down in deep waters such as in rivers and lakes for many years, which may disturb the aquatic life. This factor hampers the growth of the phosphonates market.

On the contrary, phosphonate acts as a chelating agent and inhibits crystal growth, and scale formation in textile sector. Moreover, phosphonates are used as peroxide bleach stabilizers to stabilize the active ions developed during fabric curing process. Increase in fashion consciousness among customers across both developed and developing economies such as the U.S., China, and India has significantly boosted the growth of the fashion and textile industries, which, in turn, has encouraged textile manufacturers to focus more on enhancing the quality of fabrics where phosphonates are used for dyeing and textile bleaching. Thus, these factors collectively are anticipated to offer remunerative opportunities for the phosphonates market during the forecast period.

The global phosphonates market is segmented into type, application, end-use industry, and region. On the basis of type, the market is segregated into ATMP, HEDP, DTPMP, BHMT, and others. Depending on application, it is fragmented into water cleaner, scale inhibitor, bleach stabilizer, chelating agents, concrete additives, and others. By end-use industry, it is categorized into water treatment, pharmaceutical, textile, oil & gas, pulp & paper, agriculture, and others. Region wise, the market is studied across North America, Europe, Asia-Pacific, and LAMEA.

The leading players operating in the global phosphonates market include Acuro Organics Limited, Apchem, Aquapharm Chemical Pvt. Ltd., Changzhou Kewei Fine Chemicals Co., Ltd. (KWCHEM), Giovanni Bozzetto S.p.A., Lanxess, Manhar Specialities, Shandong Taihe Water Treatment Technologies Co., Ltd., Ter Hell & Co. GmbH, and Zschimmer & Schwarz Chemie GmbH. The global phosphonates market report provides in-depth competitive analysis as well as profiles of these major players.

#### Key Benefits For Stakeholders

- This report provides a quantitative analysis of the market segments, current trends, estimations, and dynamics of the phosphonates market analysis from 2021 to 2031 to identify the prevailing phosphonates market opportunities.
- The market research is offered along with information related to key drivers, restraints, and opportunities.
- Porter's five forces analysis highlights the potency of buyers and suppliers to enable stakeholders make profit-oriented business decisions and strengthen their supplier-buyer network.
- In-depth analysis of the phosphonates market segmentation assists to determine the prevailing market opportunities.
- Major countries in each region are mapped according to their revenue contribution to the global market.
- Market player positioning facilitates benchmarking and provides a clear understanding of the present position of the market players.
- The report includes the analysis of the regional as well as global phosphonates market trends, key players, market segments, application areas, and market growth strategies.

#### Key Market Segments

##### By Type

- ATMP
- HEDP
- DTPMP
- BHMT
- Others

##### By Application

- Water Cleaner
- Scale Inhibitors
- Bleach Stabilizer
- Chelating Agents
- Concrete Additives
- Others

##### By End Use

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- Water Treatment
- Pharmaceutical
- Textile
- Oil and Gas
- Pulp and Paper
- Agriculture
- Others

By Region

- North America
- U.S.
- Canada
- Mexico
- Europe
- Germany
- United Kingdom
- France
- Spain
- Italy
- Rest of Europe
- Asia-Pacific
- South Korea
- Australia
- Rest of Asia-Pacific
- China
- India
- Japan
- LAMEA
- Brazil
- Saudi Arabia
- South Africa
- Rest of LAMEA
- Key Market Players
- ACURO ORGANICS LIMITED
- APCHEM
- Aquapharm Chemical Pvt. Ltd.
- Changzhou Kewei Fine Chemicals Co., Ltd. (KWCHEM)
- Giovanni Bozzetto S.p.A.
- Lanxess
- Manhar Specialities
- Shandong Taihe Water Treatment Technologies Co., Ltd.
- TER HELL & CO. GMBH
- ZSCHIMMER & SCHWARZ CHEMIE GMBH 41

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