

# **Glycinates Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, 2019-2029 Segmented By Type (Magnesium Glycinate, Zinc Glycinate, Calcium Glycinate, Copper Glycinate, Others), By Application (Pharmaceutical/Nutraceutical, Food Additives, Feed Additives, Personal Care Products, Others), By Region and Competition**

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## **Abstracts**

Global Glycinates Market was valued at USD1.18 billion in 2023 and is anticipated to project robust growth in the forecast period with a CAGR of 4.72% through 2029. Glycinates, also known as glycine chelates, are a type of element compound that exhibits high availability, electrical neutrality, and stability. This fine granulated and dust-free compound readily dissolves in water, offering excellent compatibility with the skin and foaming properties. With its accurate composition, glycinates have gained recognition in various industries.

The glycinates market is experiencing significant growth due to the increasing demand for nutritive food products worldwide. Companies are focusing on the development and sale of manganese glycinate, which effectively addresses consumer deficiencies and promotes awareness about precision nutrition techniques. Moreover, the rise in mineral deficiencies caused by unbalanced lifestyles, coupled with the demand for supplements and preventive healthcare products, further drives the market.

Additionally, factors like rapid urbanization, changing consumer lifestyles, growing population, rising disposable income, and the expansion of the feed and personal care

industries contribute positively to the glycinates market. Furthermore, continuous improvement in the production process and the development of enhanced products present profitable opportunities for market players in the forecast period.

However, it is crucial to acknowledge the challenges faced by the glycinates market. The high costs associated with research and development activities, as well as fluctuations in raw material prices, are expected to hinder market growth. Furthermore, the lack of awareness in developing and underdeveloped countries poses a challenge to the glycinates market in the forecast period.

This growing market presents a promising landscape for stakeholders, with the potential for further expansion and innovation in the field of glycinates.

## Key Market Drivers

### Growing Demand of Glycinates in Pharmaceutical Industry

Glycinates, also known as glycine chelates, play a vital role in various pharmaceutical applications. These compounds are widely recognized for their exceptional bioavailability and non-toxic properties, making them highly sought after as active ingredients in drugs. Moreover, glycinates have the remarkable ability to enhance the absorption of essential minerals, making them an indispensable element in dietary supplements.

In recent years, there has been a significant surge in the demand for glycinates within the pharmaceutical industry. This can be attributed to several factors, including the increasing prevalence of lifestyle diseases, a rise in health consciousness among consumers, and the growing geriatric population. As these trends continue, the demand for glycinates is expected to rise, consequently fueling the growth of the global glycinates market.

Pharmaceutical companies are increasingly turning to glycinates as a means to improve the efficacy of their products. By incorporating glycinates into the formulation of drugs and dietary supplements, these companies can enhance the effectiveness of their offerings, thereby appealing to a broader consumer base.

The growing demand for glycinates in the pharmaceutical sector has resulted in a notable increase in production and sales of these compounds worldwide, driving the overall market growth. Looking ahead, the demand for glycinates in the pharmaceutical

industry shows no signs of slowing down. Ongoing research into the potential health benefits of glycinates, coupled with the continuous rise in lifestyle diseases, is expected to further drive the use of these compounds in pharmaceuticals.

In conclusion, glycinates hold immense promise in the pharmaceutical industry, with their versatile applications and potential health benefits. As the demand for these compounds continues to grow, their impact on the global glycinates market is set to expand, shaping the future of pharmaceutical development.

### Growing Demand of Glycinates in Cosmetic Industry

Glycinates, highly regarded for their exceptional skin compatibility and gentle nature, play a vital role in formulating a wide range of cosmetic products. These versatile compounds serve as surfactants, conditioners, and emulsifiers in popular personal care items such as shampoos, body washes, and facial cleansers. Additionally, due to their remarkable ability to enhance mineral absorption, they are also incorporated into skincare products to effectively deliver essential nutrients and promote overall skin health.

The growing consciousness among consumers regarding the ingredients used in their cosmetic products, coupled with the increasing demand for natural and safe alternatives, has significantly fueled the popularity of glycinates in the cosmetics industry. Consequently, the global market for glycinates has experienced a remarkable surge in demand, attributed to the rising number of cosmetic manufacturers incorporating these compounds into their product lines.

Cosmetic brands are keenly leveraging the beneficial properties of glycinates to enhance their product offerings, align with evolving consumer preferences, and cater to the ever-changing market landscape. This strategic approach has resulted in a notable increase in production and sales of glycinates worldwide, thereby driving substantial growth in the overall market.

Looking ahead, the demand for glycinates in the cosmetic industry is expected to remain robust. Ongoing research continues to explore the potential benefits of glycinates, uncovering new applications and expanding the scope of their utilization in cosmetics. Additionally, the persisting trend of consumers gravitating towards natural and safe cosmetic products further supports the continued growth of glycinates in the sector.

In conclusion, glycinates have cemented their position as indispensable ingredients in the cosmetics industry. With their remarkable properties and the continuous pursuit of innovation, these compounds are poised to play a pivotal role in shaping the future of cosmetic formulations, meeting the ever-evolving demands of discerning consumers.

## Key Market Challenges

### Volatility in Price of Raw Materials

Glycinates, derived from glycine, an essential amino acid, are synthesized from various raw materials such as ammonia, methanol, and acetic acid. The production cost of glycinates is directly influenced by the prices of these raw materials, which can experience fluctuations. These fluctuations, in turn, can have a significant impact on the overall cost of producing glycinates, affecting the profit margins of manufacturers.

The glycinates market faces challenges due to global events, including geopolitical tensions, trade policies, environmental regulations, and natural disasters. These events can cause sudden spikes or drops in raw material prices, making it difficult for manufacturers to forecast costs and manage budgets effectively. This unpredictability presents a significant obstacle for the glycinates market.

The volatility in raw material prices has a ripple effect on the glycinates market. When the costs of raw materials increase, manufacturers often have to pass on the added expenses to consumers through higher product prices. Consequently, this can lead to reduced demand for glycinates, slowing down the growth of the market.

Furthermore, frequent changes in raw material prices can disrupt supply chains, resulting in production delays. These disruptions can hinder manufacturers' ability to meet delivery deadlines, impacting their relationships with clients and potentially affecting their market position.

## Key Market Trends

### Growing Preference for Chelated Minerals in Animal Feed

Chelated minerals, also known as organic trace minerals (OTMs), play a crucial role in animal nutrition. These compounds consist of minerals bound to amino acids or proteins, such as glycine, resulting in a stable structure that can be easily absorbed by animals. By enhancing the bioavailability of essential nutrients, chelated minerals

contribute to improved animal health and productivity.

In the realm of animal feed, glycinate s have emerged as a prominent form of chelated minerals. They are highly sought after due to their exceptional absorption rates and non-toxic nature. The utilization of glycinate s in animal feed has been found to promote better growth rates, enhance reproductive performance, and maintain overall health in livestock.

The increasing preference for chelated minerals, particularly glycinate s, in animal feed has had a significant impact on the global glycinate s market. As more livestock farmers and feed manufacturers recognize the numerous benefits of these essential nutrients, the demand for glycinate s continues to rise.

Consequently, the global glycinate s market is poised for further growth in the coming years. Manufacturers capable of meeting the animal feed industry's demand for high-quality glycinate s stand to benefit greatly from this upward trend. With ongoing advancements in research and technology, the potential for innovation and expansion in the glycinate s market is immense, making it an exciting and promising sector within the animal nutrition industry.

## Segmental Insights

### Type Insights

Based on the category of type, the calcium glycinate segment emerged as the dominant player in the global market for glycinate s in 2023. An increasing amount of calcium shortages that might lead to osteoporosis are being treated with calcium glycinate monohydrate. This form of calcium supplement has shown promising results in addressing the rising prevalence of musculoskeletal problems and degenerative bone diseases. In fact, according to the World Health Organization (WHO), these conditions are estimated to affect nearly 1.7 billion people worldwide, making them a significant global health concern.

Furthermore, calcium glycinate is not only gaining popularity as a treatment for celiac disease patients, but also for individuals who need to manage their blood pressure and muscle spasms. Its potential benefits in managing these health conditions have sparked interest and further research in the medical community.

As awareness grows regarding the importance of maintaining optimal calcium levels for

overall health and well-being, the demand for calcium glycinate products is expected to rise. This versatile supplement offers a promising solution for individuals seeking effective ways to address calcium deficiencies and related health issues.

### Application Insights

The food additives segment is projected to experience rapid growth during the forecast period. The growing demand from consumers for nutritious and functional food items has significantly fueled the market for glycinates in the food and beverage sector. Glycinates, including calcium, zinc, or magnesium glycinate, are commonly used in the formulation of dietary supplements. These supplements provide a convenient way for customers to incorporate essential minerals into their diets, thereby enhancing their overall health and well-being.

By supplementing their nutritional intake with glycinates, individuals can ensure they are obtaining the necessary minerals to support their body's various functions, from bone health to immune system function. Incorporating glycinates into their dietary routine empowers individuals to take control of their health and make informed choices when it comes to their overall well-being.

### Regional Insights

Asia Pacific emerged as the dominant player in the Global Glycinates Market in 2023, holding the largest market share in terms of value. The Asia Pacific region, characterized by its large and rapidly growing population, is witnessing a rise in the middle class. With their increasing demand for high-quality food, beverages, and pharmaceuticals, there is a parallel surge in the demand for glycinates. These versatile compounds find application as food additives, nutraceuticals, and pharmaceutical ingredients, catering to the evolving preferences of consumers in the region.

### Key Market Players

Ajinomoto Co., Inc.

Albion Laboratories Inc

BASF SE

Clariant AG

Dunstan Thomas Group Ltd

Galaxy Surfactants Limited

Novotech Inc

Solvay SA

Shijiazhuang Donghua Jinlong Chemical Co Ltd

Schaumann Holding GmbH

#### Report Scope:

In this report, the Global Glycinates Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

#### Global Glycinates Market, By Type:

- o Magnesium Glycinate
- o Zinc Glycinate
- o Calcium Glycinate
- o Copper Glycinate
- o Others

#### Global Glycinates Market, By Application:

- o Pharmaceutical/Nutraceutical
- o Food Additives

- o Feed Additives

- o Personal Care Products

- o Others

#### Global Glycinates Market, By Region:

- o North America

- ? United States

- ? Canada

- ? Mexico

- o Europe

- ? France

- ? United Kingdom

- ? Italy

- ? Germany

- ? Spain

- o Asia Pacific

- ? China

- ? India

- ? Japan

- ? Australia



? South Korea

o South America

? Brazil

? Argentina

? Colombia

o Middle East & Africa

? South Africa

? Saudi Arabia

? UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Glycinates Market.

Available Customizations:

Global Glycinates Market report with the given market data, Tech Sci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

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