

Global Magnesium Chloride Tetrahydrate Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Magnesium Chloride Tetrahydrate market size is expected to reach \$ 696 million by 2032, rising at a market growth of 4.5% CAGR during the forecast period (2026-2032).

Magnesium Chloride Tetrahydrate ($MgCl_2 \cdot 4H_2O$) is a hydrated magnesium salt consisting of magnesium chloride combined with four molecules of water of crystallization. It typically appears as white or colorless hygroscopic crystals and is widely used in chemical processing, metallurgy, pharmaceuticals, construction materials, and environmental applications. The supply chain begins with upstream raw materials such as magnesium-rich brines, seawater, salt lake brine, or carnallite ore, which contain magnesium chloride. These sources are processed through evaporation, purification, crystallization, and controlled hydration to produce magnesium chloride salts, including tetrahydrate forms. Midstream processing involves chemical refining, drying, crystallization control, and packaging performed by inorganic chemical manufacturers and specialty salt producers. Downstream, magnesium chloride tetrahydrate is utilized in magnesium metal production, deicing formulations, dust control agents, flame retardant systems, pharmaceuticals, wastewater treatment, and as a precursor for other magnesium compounds, serving industries such as chemicals, metallurgy, construction, environmental management, pharmaceuticals, and agriculture. In 2025, global Magnesium Chloride Tetrahydrate output was about 1.3 million tons with 2.0 million tons of capacity, average prices of USD 350 - 520 per ton, and gross margins around 17%.

This report studies the global Magnesium Chloride Tetrahydrate production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Magnesium Chloride Tetrahydrate and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Magnesium Chloride Tetrahydrate that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Magnesium Chloride Tetrahydrate total production and demand, 2021-2032, (Tons)

Global Magnesium Chloride Tetrahydrate total production value, 2021-2032, (USD Million)

Global Magnesium Chloride Tetrahydrate production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)

Global Magnesium Chloride Tetrahydrate consumption by region & country, CAGR, 2021-2032 & (Tons)

U.S. VS China: Magnesium Chloride Tetrahydrate domestic production, consumption, key domestic manufacturers and share

Global Magnesium Chloride Tetrahydrate production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)

Global Magnesium Chloride Tetrahydrate production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

Global Magnesium Chloride Tetrahydrate production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global Magnesium Chloride Tetrahydrate market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Compass Minerals (USA), US Magnesium (USA), K+S Group (Germany), Nedmag Industries (Netherlands), ICL Group (Israel), Qinghai Salt Lake Industry (China), Shandong Haihua Group (China), Arab Potash Company (Jordan), Gujarat Alkalies & Chemicals (India), RIMA Industrial (Brazil), etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Magnesium Chloride Tetrahydrate market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Tons) and average price (US\$/Ton) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Magnesium Chloride Tetrahydrate Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Magnesium Chloride Tetrahydrate Market, Segmentation by Type:

Crystalline Form

Granular Form

Flake Form

Powder Form

Global Magnesium Chloride Tetrahydrate Market, Segmentation by Production Source:

Seawater-derived

Salt Lake Brine-derived

Carnallite-derived

Synthetic

Global Magnesium Chloride Tetrahydrate Market, Segmentation by Application:

Chemical

Metallurgy

Construction

Water Treatment

Pharmaceutical

Others

Companies Profiled:

Compass Minerals (USA)

US Magnesium (USA)

K+S Group (Germany)

Nedmag Industries (Netherlands)

ICL Group (Israel)

Qinghai Salt Lake Industry (China)

Shandong Haihua Group (China)

Arab Potash Company (Jordan)

Gujarat Alkalies & Chemicals (India)

RIMA Industrial (Brazil)

Novamen (Canada)

Key Questions Answered:

1. How big is the global Magnesium Chloride Tetrahydrate market?
2. What is the demand of the global Magnesium Chloride Tetrahydrate market?
3. What is the year over year growth of the global Magnesium Chloride Tetrahydrate market?
4. What is the production and production value of the global Magnesium Chloride Tetrahydrate market?
5. Who are the key producers in the global Magnesium Chloride Tetrahydrate market?
6. What are the growth factors driving the market demand?

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