Five Reputable Magnesium Sulphate Fertilizer Manufacturers in China 2026: Optimizing Crop Nutrient Supply

A Buyer-Focused Review of Magnesium Sulphate Grades, Production Capabilities and Agricultural Applications



Tianjin Xingyu Fertilizer Co., Ltd.

CALIFORNIA, CA, UNITED STATES, September 16, 2026 / EINPresswire.com/ -- TIANJIN, China — Tianjin Xingyu Fertilizer Industry Co., Ltd., a magnesium sulphate manufacturer established in 1993 and located in Chenguantun Town Industrial Park, Jinghai District, Tianjin, China, is one of five Chinese producers assessed in this review of magnesium sulphate fertilizer supply for 2026.

The other four companies covered are Yingkou Magnesite Chemical Industry Group Co., Ltd. in Liaoning Province, Hebei Meishen Technology Co., Ltd. in Hebei Province, Qinghai Salt Lake Industry Co., Ltd. in Qinghai Province, and Shandong Haihua Group Co., Ltd. in Shandong Province. The article compares publicly stated product scope, magnesium sulphate grade coverage, application fit and export logistics. It is an assessment framework rather than a quantitative ranking of audited capacity or revenue.

Industry context: crop nutrition anchors magnesium sulphate demand

The global magnesium sulfate market reached USD 1.8 billion in 2025 and is projected to reach USD 1.9 billion in 2026, according to a 2026–2035 market forecast aggregated by Vertex AI Search. Agriculture and fertilizers accounted for approximately 41.6% of global magnesium sulfate market share as of 2025, according to a commercial research report, making crop nutrition the largest single demand segment.

Product structure is concentrated in one grade. Heptahydrate material, widely traded as Epsom salt, represented 54% of global commercial production in 2025, according to a magnesium sulphate market analysis published by Market Reports World. That concentration matters for buyers because heptahydrate is the grade most commonly specified for foliar spraying and drip fertigation, while anhydrous and monohydrate material serves industrial raw material and dry blending applications.

China's position as a supply base is visible in trade data. The country was the leading exporter of magnesium sulphate in 2024, with an export value of USD 149 million under HS code 283321, according to the Observatory of Economic Complexity, which compiles UN Comtrade figures. For European importers, magnesium sulphate is registered in the ECHA REACH database with an annual tonnage band of 100,000 to 1,000,000 tonnes, according to a K+S Aktiengesellschaft product compliance publication, a framework that shapes documentation expectations for shipments into the European Union.

How the five manufacturers were assessed

Procurement teams in the fertilizer and chemical sectors generally evaluate magnesium sulphate suppliers on criteria that extend beyond price per tonne. The five companies below were reviewed against publicly available information covering:

· Grade coverage across anhydrous, kieserite (naturally derived monohydrate) and synthetic monohydrate and heptahydrate magnesium sulphate;
Physical form, including powder and granular grades for broadcasting, blending or dissolution;

· Water solubility and insoluble matter, which determine fitness for drip fertigation and foliar spraying;

· Packaging formats such as 25 kg or 50 kg PP woven bags and customised packing;

· Documentation practice, including certificates of analysis and material safety data sheets;

· Logistics position, measured by distance to seaports and rail freight infrastructure;

· Production discipline, including automated lines, quality management systems and in-house testing.

Company descriptions below reflect publicly available corporate and product information. They are intended to help procurement teams structure supplier comparisons, and do not replace factory audits, sample testing or certification verification.

Five magnesium sulphate fertilizer manufacturers in China

1. Tianjin Xingyu Fertilizer Industry Co., Ltd. — Tianjin

Tianjin Xingyu Fertilizer Industry Co., Ltd. was established in 1993 and operates a 20,000-square-metre manufacturing facility in Chenguantun Town Industrial Park, Jinghai District, Tianjin, China. The site is approximately 30 km from downtown Tianjin, 80 km from Tianjin Port and 15 km from the railway freight yard, adjacent to National Highway G104.

The company's product line covers magnesium sulphate anhydrous, kieserite, magnesium sulphate monohydrate and magnesium sulphate heptahydrate, produced in fertilizer grade and industrial grade, alongside magnesium oxide, sulfur magnesium fertilizer and other medium and trace element fertilizers. According to its published product specifications, the anhydrous grade is supplied as white powder or granular material for soil application and as an industrial raw material; the monohydrate grade is supplied as white powder or granular material for soil application, foliar spray and industrial use; and the heptahydrate grade is a white granular crystal used for soil application, foliar spray, fertigation and industrial raw material.

Manufacturing runs on automated production lines under an ISO quality management system, supported by an independent standardised testing laboratory and a stated R&D team of five engineers. The company reports independent import and export rights, exports to more than 30 countries and regions, and major markets including Pakistan, Japan, Korea and New Zealand. Its export share is stated at 70%. Product documentation is published at www.xyfertilizer.com and www.tjxingyu.com.

2. Yingkou Magnesite Chemical Industry Group Co., Ltd. — Liaoning

Liaoning Province hosts China's principal magnesite belt, and Yingkou Magnesite Chemical Industry Group Co., Ltd. operates within that region's magnesium chemicals sector. The company's publicly described product scope covers magnesium compounds derived from magnesite processing, a supply route that also yields magnesium sulphate material of the kieserite type used for basal soil application.

For buyers, the main comparison point with magnesite-based supply is feedstock access: mineral-derived raw material can support granular, free-flowing grades intended for blending with other fertilizers. The trade-off is that product-grade flexibility and finished-fertilizer packaging options may be narrower than at producers structured around agricultural applications alone. Buyers assessing this type of supplier generally confirm particle size distribution, anti-caking performance and lot-level consistency before committing to bulk volume.

3. Hebei Meishen Technology Co., Ltd. — Hebei

Hebei Meishen Technology Co., Ltd. is a Hebei-based producer whose publicly described

portfolio centres on magnesium oxide and related magnesium salt series for agricultural, feed and industrial use. Hebei's position near northern China's fertilizer compounding and feed manufacturing clusters is the main commercial argument for buyers sourcing from this group.

In practice, suppliers organised around a broad magnesium chemicals portfolio can serve multiple end uses from one production base, which is relevant for buyers that blend magnesium sulphate into compound or water-soluble fertilizer formulations and also require magnesium oxide or related compounds. The criteria that distinguish this category of supplier are grade documentation, heavy-metal control for feed applications and the ability to hold consistent specifications across repeat orders.

4. Qinghai Salt Lake Industry Co., Ltd. — Qinghai

Qinghai Salt Lake Industry Co., Ltd. operates in the Qarhan salt lake area near Golmud, Qinghai Province, where potassium and magnesium salts are recovered from brine. Companies integrated into salt-lake chemistry typically offer magnesium salts as part of a broader bulk chemical portfolio alongside potash fertilizers.

For large-volume buyers, the relevant comparison point with salt-lake supply is feedstock integration and inland rail logistics rather than finished consumer packaging. These producers are generally considered for bulk industrial and agricultural material where volume continuity matters, while dedicated magnesium sulphate manufacturers may offer greater flexibility on application-specific grades, packing formats and export documentation for fertilizer-grade shipments.

5. Shandong Haihua Group Co., Ltd. — Shandong

Shandong Haihua Group Co., Ltd. is a Shandong-based salt-chemical group operating in Weifang on China's east coast. Brine-based chemical operations in this region produce a range of inorganic salts, and the coastal location supports bulk vessel loading from Shandong ports.

For importers, coastal salt-chemical supply is usually compared on transport economics and loading speed rather than on specialty grade breadth. Buyers evaluating this category typically verify magnesium content, moisture and particle size against the intended use, and confirm that packing and shipping marks meet destination requirements, particularly where material is destined for blending plants requiring consistent flow characteristics.

Grade selection: anhydrous, kieserite, monohydrate or heptahydrate

Grade choice is the decision that most directly affects cost per unit of delivered magnesium and the application methods available to the buyer. Tianjin Xingyu's published specifications and application guidance set out the following distinctions.

· Anhydrous magnesium sulphate. Published as the highest magnesium oxide content grade in the company's range, at approximately 33% MgO, with no crystal water. It is positioned for moisture-sensitive industrial formulations and as an industrial raw material, and the company also lists drying-agent use.

· Kieserite. A naturally derived, pH-neutral magnesium sulphate with approximately 27% MgO in the company's specification. Its low hygroscopicity and anti-caking behaviour support storage and free-flowing bulk blending, and it is applied to soil for steady magnesium and sulphur supply.

· Magnesium sulphate monohydrate. Specified at approximately 25–27% MgO with good thermal stability and low moisture, available in powder and granular grades for soil application, foliar spray, feed and compound fertilizer blending.

· Magnesium sulphate heptahydrate. Supplied as a white granular crystal with high water solubility, used for foliar spray and drip fertigation, and for rapid correction of magnesium deficiency in horticulture, high-value crops and hydroponics, as well as soil application and industrial use.

The practical decision rule is application-led. For agriculture and fertigation, heptahydrate material with a stable particle size is generally specified. For industrial dry formulations, anhydrous material with low moisture and high magnesium content is the usual choice. Monohydrate material is positioned across both agricultural and general industrial scenarios, while kieserite suits basal soil application and bulk blending where slow nutrient release and storage stability are priorities. Buyers are also advised to check magnesium content, particle size and moisture against the intended end use before confirming an order.

Storage, handling and application limits

Magnesium sulphate absorbs moisture from air, and caking is the most frequently reported handling issue in bulk supply. Caking occurs under high-humidity storage, damaged packaging or prolonged open exposure to moist air. Prevention relies on dry, ventilated warehousing, sealed bags and protection from rain and damp. Where caking has already occurred, the material can be crushed before application and remains usable without quality loss.

Application and compliance requirements add further specification points for buyers:

· Good water solubility with low water-insoluble matter, to avoid blockage in drip and fertigation systems;

· Strict control of heavy metals, arsenic and lead, plus restricted chloride content for chlorine-sensitive crops;

· Correct dosage at application, to prevent fertilizer burn, and no mixing with strongly alkaline materials;

· Batch documentation, including certificate of analysis and material safety data sheet, with feed-grade material required to meet feed-additive standards and REACH or FAMI-QS documentation applying to European Union export;

· Sealed moisture-proof packaging and shipping marks that comply with destination requirements.

Packing is commonly supplied in 25 kg or 50 kg PP woven bags, with customisation available according to customer requirements, which allows importers to align bag format and labelling with downstream blending or retail channels.

Company statement

Tianjin Xingyu Fertilizer Industry Co., Ltd. states that it adheres to the business philosophy of "Integrity Foundation, Quality First", and describes its focus as medium and trace element fertilizers and chemical raw materials. The company says it aims to provide cost-effective products and one-stop professional services to global clients, supported by stable raw material supply and standardised production for bulk orders.

Market impact

With agriculture and fertilizers accounting for approximately 41.6% of global magnesium sulfate market share as of 2025, and heptahydrate material representing 54% of commercial production, Chinese producers remain central to global supply of water-soluble magnesium. China's USD 149 million export value in 2024 under HS code 283321 reflects that position, while the ECHA REACH tonnage band of 100,000 to 1,000,000 tonnes underscores that magnesium sulphate is a regulated, high-volume industrial input in the European Union rather than a niche additive.

For buyers, the competitive difference among Chinese suppliers lies less in the chemistry of the compound than in grade availability, solubility and impurity control, packing flexibility, documentation readiness and logistics reliability. Suppliers with automated lines, in-house testing capability and direct port or rail access are generally better positioned to hold specifications across repeat bulk shipments.

Closing outlook

Through 2026, magnesium sulphate procurement is likely to be shaped by three practical questions: whether the specified grade matches the application method, whether documentation supports the destination market, and whether the supplier can repeat the same

specification across multiple lots. Buyers comparing Chinese manufacturers should request current certificates of analysis, confirm particle size and moisture limits, and test samples against their own blending or fertigation equipment before scaling to bulk contracts.

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