



QINGHAI PRIME INTERNATIONAL

Qarhan Salt Lake holds abundant mineral resources, with substantial reserves of potassium, sodium, magnesium, lithium, boron and other minerals. It has been the largest production base of potassium fertilizer, as well as a major production base for metallic magnesium and lithium salts. At the same time, the Qarhan Salt Lake is located on the Tibetan Plateau and is rich in hydropower, photovoltaic and wind energy, which supply a cleaner energy for the facilities.

We have unique salt lake resources and cleaner energy. We are dedicated to supply customers with high quality products and very competitive price in the market. We have a professional team to provide customers with professional services, if you have any inquiries, please feel free to reach out us, working with you is our greatest joy every day!

Contact us

Alan Wang

Mobile: +86 137 0976 8848

Tel: +86 971 636 2800

sales@saltlakechemicals.com

www.saltlakechemicals.com

Yanhu Ave. #6, Xining, Qinghai,
China, 810008

Potassium Magnesium Sulphate Produced From Qinghai Salt Lake

The potassium magnesium sulphate fertilizer ($K_2SO_4 \cdot MgSO_4 \cdot 6H_2O$) is widely used in agriculture, especially for cash crops that require large amounts of potassium, such as tobacco, fruit trees, potatoes and cotton. It can not only provide the potassium and magnesium needed by plants, but also improve the structure and physicochemical properties of the soil, enhance the soil's ability to retain water and fertilizer, and promote the development of the root system. Potassium and magnesium sulphate fertilizer also has significant effect in lawn and horticultural crop maintenance, which can make plant leaves more intense green and smooth, and improve the plant's resistance to pests and diseases.

The raw materials for producing potassium magnesium sulfate fertilizer are sourced from natural brine in Qarhan Salt Lake. The brine, enriched in potassium, magnesium, and sulfate ions, undergoes evaporation and concentration in solar ponds. The concentrated slurry is then physically processed in a refinery to compose potassium magnesium sulfate fertilizer. This fertilizer contains no chemically synthesized substances, making it a pure, natural, non-toxic, harmless, and pollution-free fertilizer.

The potassium magnesium sulphate fertilizer is a kind of compound fertilizer, the main components are potassium sulphate and magnesium sulphate. It is in the form of white or off-white powder with good water solubility. This fertilizer contains both potassium and magnesium, while potassium is an important element for plant growth and helps in photosynthesis, sugar synthesis and transport; magnesium is an important component of chlorophyll, which is vital for plant photosynthesis. Potassium magnesium sulphate fertilizer also contains sulphur, which promotes the synthesis of proteins and enzymes and improves the disease resistance of crops.

Chemical Composition

Component	Content (%)
K ₂ O	24 min.
Mg	6 min.
S	16 min.
Cl ⁻	2.5 max.
Na ⁺	1.0 max.
H ₂ O	1.5 max.
Water-insoluble substances	1.0 max.

Size Packaging

Powder crystalline or granular.
9.5kg, 25kg p.p lined Bag,
1250kg Jumbo Bulk Bag.