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Technical and physical specifications

Product Identification: Magnesium Sulphate Heptahydrate

CAS No.: 10034-99-8

Formula: MgSO₄.7H₂O

Mol WT. 246.4564

H.S. Code:28332100

Physical and Chemical Properties

Physical State: Solid

Melting Point: 1124 C

Boiling Point: 330 C

Specific Gravity: 2.66

Solubility in Water: Soluble in water

Stability:Stable

Applications:

1) Magnesium is important element in chlorophyll, is necessary for photosynthesis. Magnesium is activator for many enzymes, is able to accelerate metabolism for carbohydrate, composition for nucleic acid, transform for phosphate, etc. Magnesium sulfate is very important fertilizer for its rich nutrition. Moreover, Magnesium benefits for crop growth and high yield. Magnesium sulfate not only provides Magnesium and Sulfate element, but also loosens soil.

Magnesium and other 15 elements are considered as nutrition for plant growth and high yield, as well as nutrient component and fertilizer for relative plants. Traditional fertilizer contain such nutrient content as N, P, K, which can not enhance crop yield obviously, while, medium nutrient content (Ca, Mg, S) and minim nutrient ingredients (Zn, Cu, Fe, Mn, B, Mo and Cl) become less and less. It will cause low yield of crops. It is tested that the main reason is too much exploit of Magnesium from the soil.

Magnesium is important ingredient for enhancing productivity and agriculture yield. So it needs compensated in time.

(2)Feeding magnesium sulfate is considered as supplement for magnesium for feeding. Magnesium is necessary element for building bone and muscle constriction for animals. It's activator for many enzymes for animals. It plays important role in metaboly and nerve function for animals. If animals lack of magnesium, it will lead dysfunction of metaboly and nerve function, maladjustment of supply, and affect animals' growth, even lead to death.

(3) Apply in catharsis its saturation solution for external use. It has such functions as diminish inflammation, detumescence, detoxification, acesodyne. In addition, it is able to restrain central nerve, anti-faint, release convulsion.

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