



Knowledge grows

MAGNESIUM SULPHATE

Magnesium and Sulphur Source (V34991)

Sales specification

| Product Properties | Typical Values |
|--|----------------|
| MgSO ₄ ·7H ₂ O ≥ % | 99 |
| MgSO ₄ ≥ % | 48.5 |
| MgO ≥ % | 16.1 |
| S ≥ % | 12.9 |
| Mg ≥ % | 9.7 |
| Chloride(Cl) ≤ % | 0.1 |
| Iron(Fe) ≤ ppm | 10 |
| Heavy metal(Pb) ≤ % | 8 |
| Arsenic (As) ≤ % | 2 |
| Insoluble in the water ≤ % | 0.01 |
| pH | 6 - 8 |

| Physical Properties | |
|------------------------------------|-------------------------------------|
| Appearance | Crystalline, white odourless powder |
| Particle Size | 0.1 – 1 mm |
| Density (g/cm ³) | 2,66 |
| Solubility in water at 20°C (g/kg) | Easily soluble |

Identification

Chemical Substances: Magnesium Sulphate
MgSO₄·7H₂O

Synonyms: Magnesium sulphate, Epsom salt, Mag sulfate, Magnesium n. sulfate

CAS No. 10034-99-8
EINECS no 231-298-2

Description

MAGNESIUM SULPHATE is an odorless white exiguous acicular or oblique-pillar crystal with a bitter taste. Easily efflorescent at dry air and easily soluble in water. MAGNESIUM SULPHATE heptahydrate (epsomite, MgSO₄·7H₂O) is manufactured by dissolution of magnesium sulfate monohydrate (kieserite, MgSO₄·H₂O) in water and subsequent crystallization of the heptahydrate.

Nutritive value

Feed Grade MAGNESIUM SULPHATE is carefully formulated to ensure the optimal concentration of essential minerals, particularly magnesium and sulphur. Magnesium and sulphur is important for numerous physiological processes, including enzyme function, muscle and nerve activity, energy metabolism, and nutrient absorption. Feed Grade Magnesium Sulphate can increase the overall health, performance, and well-being of farm animals.

Recommended use / application

MAGNESIUM SULPHATE can be added to supplements or complete feeds to increase the magnesium and sulphur content of the supplement/diet to supply animals with especially magnesium in areas where it is deficient or where magnesium is needed to assist in the performance and well-being of animals.

Classification, labelling and packaging

MAGNESIUM SULPHATE is packed in 25 kg polypropylene bags.

Handling and storage

MAGNESIUM SULPHATE should be stored under cover in a dry place to ensure a shelf life of at least 2 years.

Transport and transport regulation

MAGNESIUM SULPHATE is non flammable and not classified as hazardous under transport regulations.



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