



# ADOB® Magnesium Nitrate

## Characteristics

**ADOB® Magnesium Nitrate** is a specialty fertiliser with high concentrations of nitrogen (N; 10.5%) and magnesium (MgO; 15.6%). Owing to a patented production process, **ADOB® Magnesium Nitrate** is characterised by several unique properties. The solubility of the product is 2.3kg/l at 20°C and its rapid and complete dissolution in water makes the nutrients quickly available to plants. The high solubility also makes it very convenient for growers to produce highly concentrated stock solutions for fertigation and hydroponics. Furthermore, the product can serve as an ideal raw material for the production of compound multinutrient fertilisers. The fertiliser is formulated as fully water-soluble, free-flowing flakes without any impurities.

**ADOB® Magnesium Nitrate** is an effective source of magnesium and nitrate-nitrogen and the product is mainly recommended for foliar application, hydroponics and fertigation. The high concentration of nutrients in this fertiliser meets the needs of even the most demanding plants. It is recommended for preventive and corrective fertilisation of all crops.

**ADOB® Magnesium Nitrate** ensures quick and effective fertilisation of plants with macro- and secondary nutrients. Nitrogen is the main building block of proteins; it therefore plays a crucial role in plants' vegetative growth and impacts yield productivity. The nitrate (NO<sub>3</sub><sup>-</sup>) form of nitrogen in this product ensures its fast uptake by plants, resulting in quick deficiency correction. Magnesium is a central component of the chlorophyll molecule; as a result, it is essential for optimal photosynthesis. It also enhances the catalytic activity of many enzymes by establishing a precise geometry between the enzyme and its substrate.

**ADOB® Magnesium Nitrate** enables growers to correct magnesium and nitrate deficiencies and to treat the physiological disorders that they cause.

-  EC fertiliser
-  flakes
-  contains nitrogen and magnesium
-  fast and efficient N uptake
-  fast dissolution and complete solubility
-  outstanding quality
-  increased yields and improved yield quality
-  preventive and corrective effect

## Composition

### Composition – ADOB® Magnesium Nitrate

| Nutrients          | Symbol            | Content [% w/w] | Form             |
|--------------------|-------------------|-----------------|------------------|
| Total nitrogen     | N                 | 10.5            |                  |
| - nitrate nitrogen | N-NO <sub>3</sub> | 10.5            |                  |
| Magnesium oxide    | MgO               | 15.6            | soluble in water |



Packaging:  
25, 1000 kg

