



Solufeed Mg 5.5 EDTA

Chelated magnesium fertiliser

*Highly effective and compatible
microgranular formulation of
MgEDTA*

Uses

1. To prevent and correct magnesium deficiency in most agricultural, horticultural and ornamental crops. Recommended for foliar application.
2. As a magnesium source for hydroponics, liquid feed solutions and soilless growing media.

Benefits

Solufeed Mg 5.5 EDTA is a highly stable top quality chelated magnesium fertiliser for safe, efficient and convenient prevention and correction of magnesium deficiency. Supplied as free-flowing, dustless and soluble microgranules.

Compatible with many crop protection materials enabling economic tank mixing for simultaneous application.

Also compatible with soluble phosphates thereby remaining effective in hydroponics and liquid feed systems.

Excellent environmental and Regulatory credentials.

For more background information about chelates please visit www.solufeed.com.

Analysis

A spray agglomerated microgranule formulation of magnesium ethylenediamine tetraacetate (MgEDTA) containing:

| | |
|-------------------|-------|
| Water soluble Mg: | 5.5 % |
|-------------------|-------|

Chemical/physical data

| | |
|-----------------------|----------------------------|
| Appearance: | Off white granule |
| Solubility: | ~400 g/l (in water @ 20°C) |
| Harmonised Tariff No: | 2922-49-70 |

Directions for use

Foliar Application

Solufeed Mg 5.5 EDTA should be dissolved in a convenient volume of water to suit the spraying machine being used and the target crop leaf area. The following points should be observed.

1. The sprayer should be fitted with nozzles that produce a fine mist.
2. Only sufficient spray solution should be applied to coat the leaves and stems with a film of moisture with little or no "run off".
3. Spraying should be carried out on a calm day BUT NOT DURING STRONG SUNSHINE OR HIGH TEMPERATURES. The best time is late afternoon or evening.
4. If rain is imminent, spraying should be postponed. If rain falls within 4 hours of spraying, the crop should be re-sprayed 3 or 4 days later.

NB Fruit Crops

Do not exceed a solution of 0.1% (1g/l) for any one or combination of *Solufeed* chelates. Some fruit varieties and cultivars can exhibit unpredictable sensitivity to EDTA chelates. Where local experience of successful use is not available, we strongly recommend small-scale test applications before wide spread use.

Application rates

Solufeed Mg 5.5 EDTA may be applied in one application of 1.0 – 2.0 kilograms per hectare but optimum results can be expected if repeat applications are used. In general foliar applications should be started early in the season as soon as there is sufficient leaf area to absorb the spray.

Water Volume

The amount of *Solufeed Mg 5.5 EDTA* to be applied should be mixed with a volume of water appropriate to the crop leaf area of the type of spraying machine being used. Typically,

Arable crops: 200-600 litres per hectare.

Fruit crops: 500-1000 litres per hectare. **NB: Do not exceed a solution concentration of 0.1% (100 grams per 100 litres of water).**

Wetting Agent

Unless *Solufeed Mg 5.5 EDTA* is to be applied with a pesticide containing sufficient wetter, then a standard, agricultural non-ionic wetting agent should be used as recommended by the

manufacturer.

Small Scale Use

For example using a knapsack sprayer. Prepare a 0.05 - 0.1% (0.5 - 1.0 gram per litre) solution and apply so as to coat the leaves and stems with a thin film of moisture with little or no run-off.

Hydroponics/fertigation

1ppm (41.67 $\mu\text{mol/L}$) magnesium can be achieved by adding 18.2 grams of *Solufeed Mg 5.5 EDTA* per 1000L of solution.

General information

Solufeed Mg 5.5 EDTA gives best results when crops have adequate supplies of water and major nutrients and are not under stress for any other reason. Conditions that are responsible for one particular deficiency can also induce deficiencies of other micronutrients. Always ensure that deficiencies are confirmed before treatment is carried out.

Mixing With Water

Simply add the powder to water while it is being agitated, do not pre-mix. Continue agitation for a short while to ensure complete dissolution.

Compatibility

Solufeed Mg 5.5 EDTA is compatible with all other *Solufeed* chelates and many crop care chemicals. They are also fully compatible with solutions containing soluble phosphates such as liquid feeds and foliar fertilizers.

Solufeed Mg 5.5 EDTA must not be mixed with any inorganic calcium compounds such as calcium nitrate.

Technical service

Please contact Solufeed at the address below for assistance.

Precautions

Statutory Caution: To be used only where there is a recognised need. Do not exceed the appropriate dose rate.

No health hazard is involved when *Solufeed Mg 5.5 EDTA* is used as directed

No special precautions are necessary for transport by air, sea, rail or road.

Storage

Solufeed Mg 5.5 EDTA will store indefinitely under normal conditions. For user

convenience it is recommended that the product is stored in a dry place. Re-seal partly used packs tightly.

Detailed health and safety information may be found on the relevant Material Safety Data Sheet (MSDS) available on request from the address below. This should be read fully before use.

Important

The information in this document has been prepared carefully and is provided in good faith. The application, use and processing of any material together with regulatory compliance is the absolute responsibility of the Buyer. All technical information or other advice provided by the Seller in any form is given without warranty to the full extent provided by law.

Please note that products may differ or be unavailable in certain territories.

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