



Solufeed Sodium Free Ca 8.5 EDTA

Highly effective, compatible and soluble microgranular formulation of Calcium (Ca) EDTA without sodium

Uses

1. Mix in concentrated solution with phosphates, sulphates and other nutrients to make a stable solution – ideal where there is only a single stock tank for all nutrients.
2. To prevent and correct calcium deficiency in many agricultural, horticultural and ornamental crops. Recommended for soil and foliar application.
3. As an effective calcium source in soils or artificial growing media where no effect on pH is desirable.
4. As an effective calcium source in hydroponics and liquid feed systems and to help overcome temporary, physiologically induced calcium deficiency. Can be used where conventional sodium (Na) based chelates would raise Na levels too much.

Benefits

Solufeed Sodium Free Ca 8.5 EDTA is a highly stable, top quality, chelated calcium fertilizer for safe, efficient and convenient prevention and correction of calcium deficiency.

Compatible with soluble phosphates and sulphates, thereby remaining effective in hydroponics and liquid feed systems.

Sodium free. Ideal for use in re-circulating systems to limit sodium build-up. Can be used at high rates where sodium can be a limiting factor.

Supplied as free-flowing, dustless and soluble microgranules.

More soluble than conventional calcium EDTA based on the sodium salt. Excellent environmental and regulatory credentials.

Analysis

A spray agglomerated microgranule formulation of calcium ethylenediaminetetraacetate (Ca EDTA) containing:

Water soluble Ca:	8.5%
Ca chelated by EDTA:	min 8.5%

Practical pH stability range: 4 – 9 (in aqueous solution) EC (1 g/ltr) 0.5 mS/cm @ 20°C

Chemical/physical data

Appearance:	White microgranule
Solubility:	~400 g/l (in water @ 20°C)
Harmonised Tariff No:	2922-49-85

Directions for use

Foliar Application

Solufeed Sodium Free Ca 8.5 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.

Application rates, general

Solufeed Sodium Free Ca 8.5 EDTA may be applied in one application of 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 Sodium Free Ca 8.5 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. For arable crops for example, typically 200 - 600 litres per hectare.

Wetting Agent

Unless *Solufeed Sodium Free Ca 8.5 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

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 (20 µmol/litre) calcium can be achieved by adding 12 grams of *Solufeed Sodium Free Ca 8.5 EDTA* per 1000 l of solution.

General information

Solufeed Sodium Free Ca 8.5 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 Sodium Free Ca 8.5 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.

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 Sodium Free Ca 8.5 EDTA* is used as directed.

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

Storage

Solufeed Sodium Free Ca 8.5 EDTA will store for a minimum of two years under the correct 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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