



PRODUCT INFO
& DATASHEET

SICOCHEL® Cu 14%-EDTA

EDTA chelate, containing 14% Cu

PRODUCT DESCRIPTION

1. PRODUCT TYPE

Micronutrient fertiliser conforming to the definition of an "EC fertiliser".

2. CHEMICAL DATA

- 2.1. Description:** Copper ethylenediamine tetra acetate disodium salt (CuEDTA Na₂)
- 2.2. Typical Analysis:** 14.0% copper (as Cu) w/w
- 2.3. Analytical Method:** Available on request.

3. PHYSICAL DATA

- 3.1. Appearance:** Blue spray agglomerated microgranule.
- 3.2. Solubility (in water):** ≈ 300g/l (at 20°C)

4. STORAGE & TRANSPORT

Will store indefinitely under normal conditions. For user convenience, it is recommended that the product is stored in a dry place. Partly used containers should be resealed tightly. No special precautions are necessary for transport by air, sea or road.

5. PACKAGING

- 1) 1 kg boxes, packed ten to a case
- 2) 25 kg fibreboard drums.

PRODUCT USE

1. FOLIAR APPLICATION

SICOCHEL® Cu 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.

Fruit crops: Do not exceed a solution of 0.1% (1g/l) for any one or combination of SICOCHEL 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.

1.1. Rates of Use

Crop	Rate of Use (kg/ha)	
Winter cereal	0.25 - 1.0	Apply as soon as active growth recommences in early spring. An additional half rate application at the flag stage (ZCK 37-39) is also beneficial.
Spring cereal	0.25 - 1.0	Apply as soon as there is sufficient leaf area to absorb the spray.

1.2. Water volume: the amount of **SICOCHEL® Cu 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. Pasture / Fodder crops: 200 - 600 litres per hectare NB. Do not exceed a solution concentrate of 0.1% (100 grams per 100 litres of water).

1.3. Wetting Agent: Unless **SICOCHEL® Cu EDTA** is to be applied with a pesticide containing sufficient wetter, a non-ionic wetting agent such as 'CHELASORB' should be added at the recommended dose rate.

Any information in this publication is believed to be accurate and is given in good faith, but is for the customer to satisfy himself of the suitability for his own particular purpose. No representation, warranty or guarantee is made to its accuracy, reliability or completeness.

SAP INTERNATIONAL CORPORATION bvba Krekelenberg 69, B-2980 Zoersel, Belgium
Tel. +32-3-309.06.51 Fax. +32-3-309.19.31 Email : info@sico.be Website : www.sico.be

SICO FERTILISERS
EVERY TIME THE RIGHT SOLUTION



**PRODUCT INFO
& DATASHEET**

1.4. 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.

2. SOIL APPLICATION

The appropriate amount of **SICOHEL® Cu EDTA** should be dissolved in a convenient volume of water to suit the application equipment and to ensure even ground coverage.

General Crops: Apply as a coarse low-pressure spray immediately before the last cultivation prior to sowing or planting. Where crops are established, apply between the rows.

Perennial Crops: Apply as a coarse low-pressure spray in a wide circular band under the limit of the full branch spread. For best results, nutrients should be in the root zone before seasonal growth begins and this can be achieved by appropriate application timing.

Rates of use: Apply 0.5 - 2.0 kg/ha depending on the degree of deficiency crop size etc.

3. HYDROPONICS

Rates of use: 1 ppm (15.38 µmol/L) copper can be achieved by adding 7.15 grams of **SICOHEL® Cu EDTA** per 1000 L of solution.

4. GENERAL INFORMATION

SICOHEL® Cu EDTA gives best results when crops have adequate supplies of water and major nutrients and are not under stress for any other reason. Conditions, which are responsible for one particular deficiency, can also induce deficiencies of other micro-nutrients. 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: **SICOHEL® Cu EDTA** is compatible with all other SICOHEL chelates and many crop care chemicals. They are also fully compatible with solutions containing soluble phosphates such as liquid feeds and foliar fertilisers.

5. STATUTORY CAUTION

To be used only where there is a recognised need.

Do not exceed the appropriate dose rate.

HEALTH AND SAFETY

Detailed information on handling and any precautions to be observed in the use of the product(s) described in this leaflet can be found in our relevant Health and Safety information sheet.

HARMONISED TARIFF NO.

2922 4970

TRADEMARKS

SICOHEL® is a trademark of Sap International Corporation bvba.

WARRANTY

Every endeavour has been made to ensure that the information given herein is true and reliable but it is given only for the guidance of our customers. Sap International cannot accept any responsibility for loss or damage or infringement of patent rights that may result from the use of information, due to the possibility of variations of processing or working conditions and of workmanship outside our control. Users are advised to confirm the suitability of the products with their own tests. Any dimensions shown are approximate.