

# TECHNICAL INFORMATION

## POLISUR

556-53401-000



### DESCRIPTION

POLISUR is a liquid fertilizer for soil drenching or foliage application that provides Calcium and Sulfur available for plants. Its concentrated liquid formulation composed mostly of Calcium Polysulfide, is characterized by its high chemical purity and solubility in water, which guarantees its efficiency and allows for an easy application.

### USE

POLISUR can be applied in high doses by soil drenching or applied in lower doses to the foliage of plants. It can be used in any agricultural crops such as: Strawberries (*Fragaria sp.*), Pineapple (*Ananas comosus*), Banana and Plantain (*Musa spp.*), Coffee (*Coffea arabica*), Sugar Cane (*Saccharum officinarum*), Citrus (*Citrus spp.*), Avocado (*Persea americana*), Mango (*Mangifera indica*), African Palm (*Elaeis guineensis*), Pejibaye or Palmito (*Bactris gasipaes*), Corn (*Zea mays*), Bean (*Phaseolus vulgaris*), Rice (*Oryza sativa*), Papaya (*Carica papaya*), Melon (*Cucumis melo*), Watermelon (*Citrullus spp.*), Ornamental Plants or Flowers, Tree farms, Pastures, Vegetables such as Tomato (*Solanum lycopersicum*), Chile (*Capsicum annuum*), Onion (*Allium cepa*), Lettuce (*Lactuca sativa*), Celery (*Apium graveolens*), Brasicaceae, Roots and Tubers such as White Tiquisque (*Xanthosoma sagittifolium*), Tiquisque Lilac (*Xanthosoma violaceum*), Ñampí (*Colocasia esculenta var antiquorum*), White Yam (*Dioscorea alata*), Yampí (*Dioscorea trifida*), Malanga Coco (*Colocasia esculenta var esculenta*), Malanga Isleña (*Colocasia sp.*), Ginger (*Zingiber officinale*), Turmeric (*Curcuma longa*), Yucca (*Manihot esculenta*), Cotton (*Gossypium spp.*), Chayote (*Secchium edule*).

Line Agricultural Line

### PROPERTIES

#### SPECIAL PROPERTIES

<b>Physical State</b>	Liquid
<b>Form</b>	Soluble Concentrated

#### PHYSICAL PROPERTIES

#### DATA

Calcium Oxide (CaO) % (m/v)	7.00
Sulphur (S) % m/v	15.50
pH	10 - 11
Density (kg/l)	1.11 - 1.16

These technical data were calculated under controlled laboratory conditions, but SUR QUIMICA has no control over conditions, tools, applicator skills, selection, preparation, or compatibility of products used; therefore, can only guarantee this product quality, its features and qualities' suitability, but is not responsible for the results obtained in conditions impossible to check once the job has been done. SUR QUIMICA has made reasonable efforts to ensure the accuracy of the information provided here, but assumes no responsibility for any error, omission, or inaccuracy in it. If there is any inconsistency between different language issues of this document, Spanish version will prevail.

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### CONTAINERS and COLORS

#### AVAILABLE CONTAINERS

1 liter plastic bottle (1.06 qt.)

4 liter plastic bottle (1.06 gallon)

20 liter plastic container (5.28 gallon)

200 liter plastic drum (52.8 gallon)

### PRODUCT PREPARATION

#### COMPONENT

Product: 556-53401-000, POLISUR

#### MIXING RATIO

#### MIXING INSTRUCTIONS

Read label before use.  
Fill  $\frac{3}{4}$  of the tank with clean water (do not exceed 140 ppm in hardness), add the appropriate dose of PoliSUR while stirring and fill the tank to the desired volume.

### PRODUCT APPLICATION

#### APPLICATION TOOL

Backpack sprayer

Power sprayer

Spray boom

### Dosage per crop (liter/ha)

Coffee (*Cofea spp.*)

Soil Drench: 10 – 20 lt./ha

Foliar: 1 – 3 lt./ha

Avocado (*Persea spp.*)

Soil Drench: 10 – 20 lt./ha

Foliar: 2 – 5 lt./ha

Banana (*Musa spp.*)

Soil Drench: 10 – 20 lt./ha

Foliar: 2 – 5 lt./ha

Pineapple (*Ananas spp.*)

Soil Drench: 10 – 20 lt./ha

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	Foliar: 1 – 3 lt./ha
Oil Palm ( <i>Elaeis spp.</i> )	Soil Drench: 10 – 20 lt./ha Foliar: 2 – 5 lt./ha
Vegetables	Soil Drench: 2 – 5 lt./ha Foliar: 0,5 – 1 lt./ha
Annual crops	Soil Drench: 10 – 20 lt./ha Foliar: 1 – 3 lt./ha
Perennial crops	Soil Drench: 10 – 20 lt./ha Foliar: 2 – 5 lt./ha

### APPLICATION CONDITIONS

Calibrate the application tool before use.

In soil drenching applications, due to their alkaline nature, soil fertilizers should not be applied at least one week before or after POLISUR.

For foliar applications on fruit trees, it is not recommended to apply one month before or one month after flowering.

For foliar applications on plants, apply only when there is enough leaf area to adsorb the product.

Mixing with other agrochemicals is not recommended, if you need to mix it with other products, test before the mixture's stability and chemical compatibility, trying to keep the doses' proportion.

### APPLICATION INSTRUCTIONS

Fill  $\frac{3}{4}$  of the tank with clean water (not exceeding 140 ppm in hardness), add the selected dose of SUR FRUTSOL V while stirring the content and fill the tank to the desired volume.

Apply the mixture by soil drenching localized where the roots grow or on the fertilization band.

In foliar application, be sure to cover both sides of the leaves and avoid dripping.

### NOTICE

- ✓ If you need more information, check our website <https://www.gruposur.com/asistencia/>
- ✓ Container must be kept out of reach of children, tightly closed to avoid loss of its properties.
- ✓ Because of its alkaline pH, a compatibility test should be done before mixing it with other product and wash thoroughly the equipment with water after application.
- ✓ Check the status of the application equipment (backpack sprayer, spray boom): before using it, looks for leaks or parts in bad condition. Calibrate equipment before use.

### HEALTH

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- ✓ This is a professional/industrial product and it should be applied by properly trained personnel, wearing appropriate Personal Protection Equipment (PPE), as described in its Safety data Sheet (MSDS), available at <http://www.gruposur.com>
  - ✓ Registered in Costa Rica: MAG N° 7458.
  - ✓ Registered in Nicaragua: MAGFOR U-NI-FER-545-2014.
  - ✓ If you need to dispose of empty containers of our products in Costa Rica, contact your SUR store or our industrial compound in La Uruca, San Jose
  - ✓ Registered in Panamá: MDA N° 6488.

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