

# TECHNICAL INFORMATION

## SUR FLOW SILICIO

556-53725-000



### DESCRIPTION

SUR FLOW SILICIO is a soil amendment composed of Calcium Carbonate, Magnesium Oxide and natural amorphous silicates that, due to its formulation and granulometry, is part of the only family of water-dispersible amendments.

This product gives you the highest form of amendments, providing fast control of soil acidity and improving its physical, chemical and microbiological properties, with proven effect after 9 months. SUR FLOW SILICIO is a micronized amendment with results in less than 48 hours, since its ultra-fine granulometry increases efficiency by having a higher surface area per unit volume than a traditional amendment.

### USE

SUR FLOW SILICIO can be applied in drench with usual agricultural spray equipment in any agricultural crop such as: Strawberries (*Fragaria sp*), Pineapple (*Ananas comosus*), Banana and Banana (*Musa spp.*), Coffee (*Coffea arabica*), Sugarcane (*Saccharum officinarum*) and many others. Its floatable formulation allows it to be suspended in water and incorporated into the soil profile quickly, even when applied to vegetation or stubble.

Line Agricultural Line

### PROPERTIES

#### SPECIAL PROPERTIES

<b>Physical state</b>	Solid
<b>Formula:</b>	Wettable Powder

#### PHYSICAL PROPERTIES

#### DATA

Calcium carbonate (CaCO <sub>3</sub> ) % m/m	180
Moisture % m/m	1
Magnesium oxide (MgO) % m/m	19.5
Silicon Oxide (SiO <sub>2</sub> ) % m/m	34.7
Chemical Equivalent (EQ) %	69.4
Granulometric Efficiency (GE) %	99.7

These technical data were calculated under controlled laboratory conditions, but SUR QUÍMICA 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 QUÍMICA has made reasonable efforts to ensure the accuracy of the information provided herein, but assumes no liability for any errors, omissions or inaccuracies thereof. If there is any inconsistency between different language issues of this document, Spanish version will prevail.

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Total Relative Neutralizing Power (TRNP) %	69.7
Density (g/ml)	0.36
pH (10% aqueous solution)	10.6

### CONTAINERS

#### AVAILABLE CONTAINERS

25 kg bags

### PRODUCT PREPARATION

COMPONENT	MIXING RATIO	MIXING INSTRUCTIONS
Product: 556-53725-000, SUR FLOW SILICIO		READ LABEL BEFORE USING THIS PRODUCT

### PRODUCT APPLICATION

#### APPLICATION TOOLS

Backpack Sprayer      Boom Sprayer

### Dose for different crops (Kg/ha)

Rice ( <i>Oryza spp.</i> )	50 to 200 Kg/ha
Coffee ( <i>Cofea spp.</i> )	50 to 200 Kg/ha
Pineapple ( <i>Ananas spp.</i> )	50 to 200 Kg/ha
Onion ( <i>Allium spp.</i> )	50 to 200 Kg/ha
Sugarcane ( <i>Saccharum spp.</i> )	50 to 200 Kg/ha
Tomato - Chile ( <i>Solanum spp. - Capsicum spp.</i> )	50 to 200 Kg/ha
Oil Palm ( <i>Elaeis spp.</i> )	50 to 200 Kg/ha
Corn ( <i>Zea spp.</i> )	50 to 200 Kg/ha
Vegetables	10 to 100 Kg/ha

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Pasture	50 to 100 Kg/ha
Citrus ( <i>Citrus spp.</i> )	50 to 200 Kg/ha
Annual Cultures	50 to 200 Kg/ha
Perennial Cultures	50 to 200 Kg/ha
Seedbeds	5 to 10 Kg/ha

### Application conditions

It is recommended to calibrate your equipment before the application. Be sure to use the appropriate nozzles for the volume of water to be used, it is recommended to use water volumes greater than 600 L/ha. If possible, keep on stirring during application.

Due to the alkaline nature of the product, the use of soil fertilizers is not recommended, at least two weeks after application. It is not recommended to mix it with other agrochemicals.

It is not recommended to exceed 40% concentration (40 kg per 100 liters of water). For best results, the dose can be adjusted according to the result of the soil fertility analysis, using a theoretical TRNP of 600%.

When preparing the suspension, remember to take into account the volume of this product in the final volume of the mixture.

When using power pumping equipment, it is recommended to premix this product in some water before incorporating the product into the application tank.

Maintain proper lubrication on the application equipment as recommended by the manufacturer. It is not recommended to leave the product ready to apply in later days.

### Application instructions

Make sure the mixing tank is clean and free of residue from other products as pesticides.

Fill the mixing tank to three quarters of its capacity, SLOWLY add the selected dose of SUR FLOW SILICIO while stirring, once the entire dose of the product has been added, stir for 1 minute and finish filling to the desired volume while stirring.

Use tap water not exceeding 140 ppm hardness.

Apply directed to the soil with hand or power agricultural sprinkler, uniformly over the entire terrain, on the ridges, in the furrows or the fertilization band.

### NOTICE:

- ✓ If you need other information for safe handling of this product, you can visit our website <https://www.gruposur.com/asistencia/>

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- ✓ Store this product in its original container between 20 °C and 30 °C, in a dry, ventilated place, out of the reach of children.
- ✓ As it is alkaline pH, a compatibility test must be performed before mixing it with other products and thoroughly washing the equipment with water after application.
- ✓ The packaging must always be kept closed and stored in a dry and ventilated place, otherwise it can absorb moisture from the environment and agglomerate or form lumps, which decreases its ability to disperse in water.
- ✓ Application equipment (back pump, power pump, spray boom): Check the condition of the application equipment before use, it must not have leaks or be in poor condition. Calibrate the equipment before applying.

### HEALTH

- ✓ Costa Rica Registry: 11382
- ✓ Do not disperse over or near water sources, rivers or lakes.
- ✓ Keep out of reach of children and pets.
- ✓ 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>
- ✓ If you need to dispose of empty packages of our products in Costa Rica, contact your SUR store or our industrial compound in La Uruca, San Jose.

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