

SANITIZER

INSTRUCTIONS FOR USE

COMPOSITION (referred to 100 ml)

- Potassium hypochlorite 0.2 g (0.2% active chlorine)
- Potassium chloride (total) 0.8 g, Food Grade
- Balance water

CHARACTERISTICS



- VERDEVIVA™ is a potassium hypochlorite-based sanitizer
- The treatment of objects of common use in agriculture and/or of waters used for agricultural purposes with VERDEVIVA™ allows reducing the total microbial load

WARNING

- Store the machine in a cool dry place away from direct sunlight and heat
- Safety phrases (S): Keep out the reach of children
- Keep away from food, drink and animal feeding stuffs
- When using do not eat, drink or smoke
- VERDEVIVA™ is bleaching solution, can damage coloured garments
- The solution may be used for cleaning work surfaces (wood, steel, ceramic and polymer materials)
- Hazardous components: none
- Risk phrases (R): none
- Do not throw any residues in the sewer



DIRECTION FOR USE

ACTION	USE	VERDEVIVA™ <small>N.B. IMAGE DISPLAY IS NOT REPRESENTATIVE OF ACTUAL PRODUCT COLOUR</small>	DILUTION	TREATMENT TIME
Sanitizing	Scissors, fruit bins, agricultural tools	 1 liter of VERDEVIVA™	25% (e.g. 1 liter of solution and 3 liters of water)	Clean objects by sprinkling or dipping in diluted solution
Sanitizing	Treatment of water for phytosanitary product application	 1 liter of VERDEVIVA™	15% (e.g. 1 liter of solution and 5.5 liters of water)	Add the solution to water for the treatment N.B. The solution is not compatible with Thiram, Ziram and with acidic products.
Sanitizing	Cleaning of irrigation systems		For algae and bacteria active chlorine may be used, at 20 mg/l concentration.	Use formula reported hereafter (APPENDIX 1)

APPENDICE 1

The following formula allows to determine the required amount of potassium hypochlorite for carrying out a 1 hour cleaning

$$q = \frac{C_1 * Q}{C_0 * 10}$$

wherein:

q = amount of water to be injected in fertirrigation

C₁ = required concentration of active agent (active chlorine, ppm)

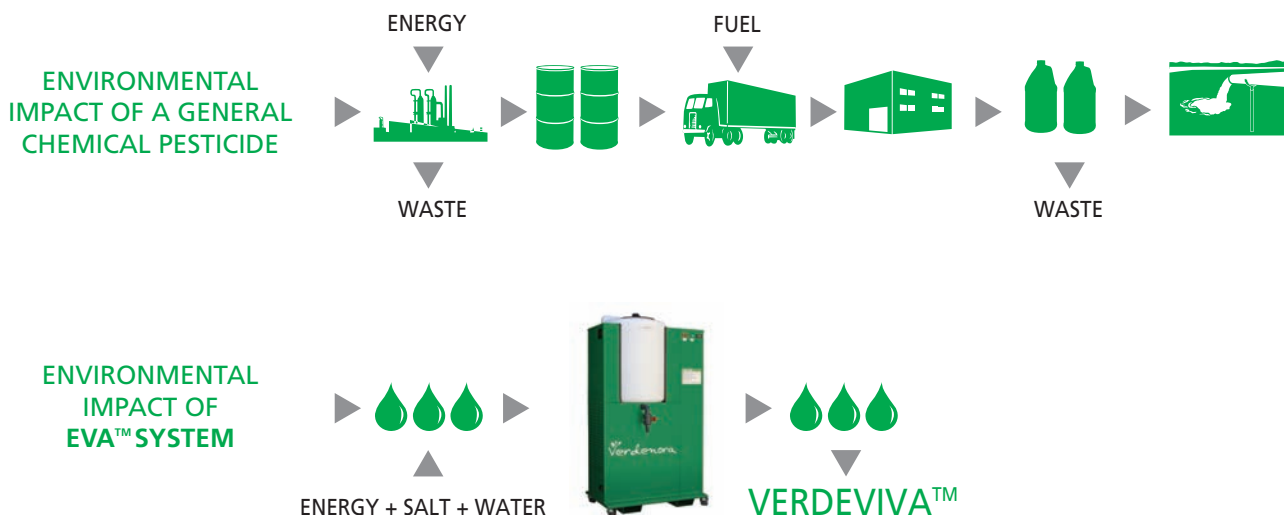
Q = flow-rate of plant to be treated (l/h)

C₀ = percentage of active agent (active chlorine) in the employed product, equal to 0.2%

For instance, making use of VERDEVIVA™ at 0.2% concentration for a 1 hour cleaning, at a concentration of 20 ppm at dripper and a 2 l/h flow-rate, 20 l of VERDEVIVA™ are needed

ADVANTAGES OF USE

ENVIRONMENTAL BENEFITS



PRODUCTION AND FLEXIBILITY OF USE

Once an hour, EVA™ produces a solution easy to handle and use; a simple addition of water increases the number of its potential applications.

ECONOMICS (data referred to EVA™ 100 1 hour)

Raw material and manpower costs

AMOUNT PER BATCH	RAW MATERIAL COSTS	COST
100 liters	0.001 €/liter	€ 0.1
1.1 kg	0.5 €/kg	€ 0.55
1.5 kWh	0.15 €/kWh	€ 0.225
Direct cost 100 liters		€ 0.87
Manpower per batch		€ 1.00
Total batch cost (100 liter)		€ 1.87
Cost for one liter		€ 0.018

FIRST AID

- In case of contact with eyes, hold eye open and rinse slowly and gently with water for 15/20 minutes, if symptoms of irritations persist seek medical attention.
- In case of accidental ingestion of VERDEVIVA™, seek medical attention or call a poison center control.

Verdenora

Verdenora S.r.l.
Via Bistolfi, 35
20134 Milano Italy
ph +39 02.2129.2820
fax +39 02.2129.2821
mail info@verdenora.com

www.verdenora.com