

POISON
KEEP OUT OF REACH OF CHILDREN
READ SAFETY DIRECTIONS BEFORE OPENING OR USING

Steri-max[®]

BIOCIDE

ACTIVE CONSTITUENT:
120g/L DIDECYL DIMETHYL AMMONIUM CHLORIDE

A broad spectrum sanitation and water treatment product for use in agriculture and horticulture and for the control of the spread of Panama Disease in Bananas and Ratoon Stunting Disease in Sugarcane and aid in the control of the spread of Sugarcane Smut and for disinfection of poultry sheds and equipment as specified in the Directions for Use

IMPORTANT: READ THE ATTACHED LEAFLET BEFORE USING THIS PRODUCT.

CONTENTS: 10L

APVMA Approval No. 59462/124540



SIPCAM PACIFIC AUSTRALIA PTY LIMITED
Level 1, 191 Malop Street
Geelong VICTORIA 3220

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STORAGE AND DISPOSAL

Store in the closed, original container in a cool, well-ventilated area. Do not store for prolonged periods in direct sunlight. Triple rinse containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on-site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500mm below the surface in a disposal pit specifically marked and set up for this purpose, clear of waterways, desirable vegetation and tree roots, in compliance with relevant local, State or Territory government regulations. Do not burn empty container or product.

DIP DISPOSAL

Prior to disposal, deactivate the spent dip with bentonite clay or clay soil at a minimum ratio of 5 kg bentonite clay or clay soil per 100L. Dispose of flocculate DDAC/bentonite clay by evenly spreading over flat land in a disposal site dedicated for spent dips that is adequately bunded with soil to at least 15 cm high. Do not exceed the standard spent dip rate of 20,000 L/ha.

SAFETY DIRECTIONS

Corrosive, may produce severe burns

Harmful if swallowed. Will irritate the skin. Will damage the eyes. Avoid contact with eyes and skin. DO NOT inhale spray mist. When opening the container, mixing and loading, preparing and using the product, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), a washable hat, chemical resistant gloves and goggles or safety glasses. If product on skin, immediately wash area with soap and water. If product in eyes wash it out immediately with water. Wash hands after use. After each day's use wash gloves, goggles and contaminated clothing.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131 126. If swallowed do NOT induce vomiting. If skin contact occurs, remove contaminated clothing and wash thoroughly. If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.

SAFETY DATA SHEET

For further information, refer to the Safety Data Sheet (SDS) which is available from the supplier or from our web site, www.sipcam.com.au.

NOTICE TO BUYER

This product must be used in accordance with the directions for use. Where this product is not a good of a kind ordinarily acquired for personal, domestic or household use or consumption under the Australian Consumer Law, Sipcam's liability for any direct, indirect or consequential loss which you incur, including, without limitation, loss or damage to crop, loss of equipment, property damage, personal injury or death is limited, at Sipcam's option, to the replacement of the product or the supply of an equivalent product. By opening this package, you agree to be bound by these terms. If you do not agree to these terms, please return the entire unopened package intact to Sipcam or the place in which you purchased this product for a full refund.

Batch No:

Date of Manufacture:

G.H.S. STATEMENTS

Hazard: H303 - May be harmful if swallowed. H314 - Causes severe skin burns and eye damage. H318 - Causes serious eye damage

Prevention: Do not breathe mists. Wash face, hands and any exposed skin thoroughly after handling. Wear protective gloves / protective clothing / eye protection / face protection.

Response If exposed or concerned: Get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE or doctor. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. Wash contaminated clothing before reuse. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. IF SWALLOWED: Immediately call a POISON CENTRE or doctor.



This product is Classified as a Dangerous Good under the Australian Code for the Transport of Dangerous Goods by Road and Rail.

For specialist advice in an emergency only, call 1800 033 111, all hours Australia wide.

UN NO. 1903	DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (CONTAINS DIDECYLDIMETHYL AMMONIUM CHLORIDE)
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PG II	HAZCHEM: 2X
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DIRECTIONS FOR USE

Crop/Disease	Situation	Rate	Critical Comments
Banana Aid in the control of the spread of Panama disease (<i>Fusarium oxysporum f.sp. cubense</i> (Race 1, Foc))	Appliances Any vehicle, machinery, equipment or apparatus of any kind	100 mL/10L water (1% solution)	Apply to appliances that are clean and free of dirt/soil. Apply a 1% solution of the disinfectant to all parts of the appliance and keep the surfaces wet for a minimum of 5 minutes.
	Prior to leaving the property		Disinfection of equipment Apply to equipment that is clean and free of dirt/soil. Apply by spraying a 1% solution of the disinfectant to all parts of the equipment. Keep the surfaces wet for a minimum of 5 minutes. Alternatively, immerse the equipment in the solution (e.g. a footbath) for a minimum of 5 minutes.
	General hygiene measures for vehicles		Remove visible soil and plant material from vehicle and tyres. Spray tyres to run-off.
	General disinfection		Equipment such as pruning shears and ploughs. Keep wet for over 5 minutes for best results. Place 1% Steri-maX solution into a bucket or pail and leave equipment to soak. Replace solution daily, as organic matter will degrade biocide activity.
	As a foot bath hygiene treatment Rubber boots, leather boots & shoes etc.		Steri-maX is a contact Biocide. Keep wet for over 5 minutes for best results. Clean all debris from footwear then leave to soak. No biocide can be effective if the person simply walks straight through the footbath. Replace solution daily, as organic matter will degrade biocide activity.
	General disinfection of cold rooms, packing sheds, tunnels, seed trays & other hard surfaces.	100 mL/100L water (0.1% solution)	First remove all organic matter from surfaces and keep wet with Steri-maX solution for over 5 minutes for best results.

Situation	Rate	Critical Comments
Sugarcane Aid in the control of the spread of sugarcane smut (<i>Ustilago scitaminea</i>)	1% solution	Appliances: Apply to appliances that are clean and free of detergent. Apply a 1% solution of the disinfectant to all parts of the appliance and keep the surfaces wet for a minimum of 5 minutes. Prior to leaving the property: Disinfection of equipment associated with, for example, surveying for sugarcane smut, maintenance of gas pipes, etc. Apply to equipment that is clean and free of detergent. Apply by spraying a 1% solution of the disinfectant to all parts of the equipment. Keep the surfaces wet for a minimum of 5 minutes. Alternatively, immerse the equipment in the solution (eg a footbath) for a minimum of 5 minutes. Equipment includes hats, plastic bags (used to enclose, for example, GPS equipment and folders), footbaths, immersion containers, spray equipment. Disposal: Dispose of used treatment solutions (from footbaths/immersion containers) onto the ground before leaving the property. General hygiene measures for vehicles: Remove visible soil and plant material from the vehicle and tyres. Spray tyres with disinfectant (1% solution) to run-off.
For control of the spread of sugarcane Ratoon Stunting Disease	100 mL/10L water (1% solution)	Clean knives of all debris and sugar sap, which will reduce strength of solution. Immerse knives in solution for a minimum of 5 minutes making sure blades completely covered with solution. Dispose of unwanted solution safely – refer to disposal statements as shown below.
Poultry Sheds & Equipment For disinfection of poultry sheds and equipment to kill pathogenic bacteria and some poultry viruses #.		Use only on hard non-porous surfaces. Not to be used on dirt floors, wooden structures.
Step 1. Cleaning Surfaces	200mL/100L water (1:500)	Use 500-1,000 mL solution per m ² . Leave for 30 minutes
Step 2. Rinsing Surfaces	10mL/100L water (1:10000)	Rinse off cleaning solution
Step 3. Disinfecting Surfaces	1L/100L water (1:100)	Wet surfaces thoroughly with 300-400mL solution per m ² and leave surfaces to dry. DO NOT RINSE. Steri-maX cleans and disinfects hard surfaces, eg metal, cement, etc, and equipment in poultry sheds and hatcheries. Steri-maX does not act as a disinfectant on dirt floors or wooden structures. For heavily infected sheds and/or very dirty sheds, use two full applications. Before using Steri-maX, remove all litter, faeces, residual feed, dust and other loose debris. Before disinfection, surfaces should be cleaned and rinsed. Steri-maX can be applied by manual application or spraying through standard application equipment. All three steps must be followed for full disinfection. Precaution: # Steri-maX is not 100% effective against all poultry viruses.

Situation	Rate	Critical Comments
General disinfection of growing medium (inert or organic), equipment (such as pruning shears & ploughs), footbaths and hands	100 mL/10L water (1% solution)	Keep wet for over 10 minutes for best results.
General disinfection of cold rooms, packing sheds, tunnels, seed trays & other hard surfaces	100 mL/100L water (0.1% solution)	First remove all organic matter from surfaces and keep wet with Steri-maX solution for over 10 minutes for best results.
Disinfection of irrigation water (non food crops only)	5-20 mL /1000L water	When doing so for the first few times, the dirt/algae/organic matter will be discharged and may clog your drippers, spitters or sprinklers. Therefore, rinse your irrigation pipes frequently. The cleaner the irrigation water to be treated, the better the results. May be used in fertigated water. Do not apply directly via fertiliser tank.
Postharvest treatment: Control of post-harvest decay and diseases caused by relevant micro-organisms in water for washing or dip treatment processes		
Assorted tropical and Sub Tropical Fruit (inedible peel) (except bananas)	100mL/100L solution (0.1%)	Dip fruit for 3 minutes. Keep Steri-maX concentration at recommended rate by using "Steri-maX Test Kit". Growers are advised to check for varietal differences by first treating a small sample.
Cut flowers in containers	15mL/10L water	The stock solution may be used for up to 7-10 days if kept clean. DO NOT keep cut flowers in stock solution for longer than 48 hours.
Plant Sanitation		
Grapevine Cuttings - Disinfection of propagation material against Botryosphaeria, <i>Cylindrocarpon</i> , <i>Phomopsis</i> , <i>Phaemoniella</i> & <i>Phaeoacremonium spp.</i>	150mL/100L water	Apply as a dip. Keep Steri-maX concentration at recommended rate by using "Steri-maX Test Kit". Rootstock and Scion Cutting Treatment: Immediately after cutting preparation and pre-cold storage, soak for 1 hour in Steri-maX solution. After cold storage one day prior to grafting, soak for 10 minutes. This treatment can also be done in cool-down water following hot water treatment. Pre-Plant Treatment: After callus, directly prior to planting, dip for 5 seconds in Steri-maX solution. General Sanitation: For disinfection of grafting equipment, tables, work surfaces, grafting sheds, callusing boxes, etc. First wash surfaces to remove dirt and then disinfect by keeping surfaces wet for 10 min for best results.
Carnations, Chrysanthemums and cut flowers	100 mL/100L water (0.1% solution)	Growers are advised to check for varietal differences by first treating a small sample. Apply to foliage with first application after transplanting or 6 weeks after planting seed. Apply at 7 day intervals.
Roses in green/shade houses Post-harvest treatment of Cut Flowers in containers	50 mL/100L water (0.05% solution) 15 mL/10L water	Growers are advised to check for varietal differences by first treating a small sample. Apply to foliage at 10-14 day intervals. The stock solution may be used for up to 7-10 days if kept clean. Do not keep cut flowers in solution for longer than 48 hours

NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION

WITHHOLDING PERIOD: NOT REQUIRED WHEN USED AS DIRECTED

TRADE ADVICE

As Steri-maX is not registered in all countries overseas, please check with a Sipcam representative before treating product destined for export.

GENERAL INSTRUCTIONS

Effective against a range of fungal and bacterial pathogens. Steri-maX stays active as long as it is in solution (does not oxidize). Under heavy agitation, foam may form and a defoaming agent (food grade) may be useful. A test kit is available to measure active Steri-maX in water. Steri-maX has good performance in the presence of organic matter and is non-corrosive. Steri-maX has wetting characteristics so a wetting agent does not need to be added.

Use on plant materials

Steri-maX is not a single means of controlling disease infection. It is not intended to replace the use of fungicides. Steri-maX is compatible with most fungicides and use should be incorporated into a normal treatment program for disease control.

Application

DO NOT apply using equipment carried on the back of the user.

DO NOT apply using hand held equipment.

For Plant Sanitation:

1. For foliar application as a plant sanitiser for flowers, good coverage is essential.
2. Ensure that both upper and lower leaf surfaces are covered.
3. Spray to runoff with standard spray application equipment.

For Postharvest Sanitation:

1. Shake concentrate before use.
2. No wetters need to be added since Steri-maX has wetting characteristics.
3. The stability and efficacy of Steri-maX is not pH dependent. If Steri-maX is used with other chemicals, follow their pH recommendations.
4. During postharvest wash of avocado and mango, fruit must not be left in dumptank for long periods. This may result in serious burning of sensitive fruit.
5. Steri-maX controls postharvest decay in avocado and mango fruit induced by infections taking place during the washing process. Registered fungicides still need to be applied for control of postharvest decay caused by orchard infections.
6. DO NOT use Steri-maX in hot water dumptanks. This may result in serious burning of sensitive avocado and mango fruit.
7. Under heavy agitation foam may develop. Use a general silicon based anti-foam product, if necessary

Compatibility

Steri-maX may be used with fertigated water. Do not apply directly via fertiliser tank. Steri-maX is compatible with Liquicop Copper Fungicide and a range of fungicides. Information can be obtained by contacting your Sipcam representative.

PRECAUTIONS

RE-ENTRY

Do not enter treated areas or handle the treated material until the spray has dried, unless wearing cotton overalls buttoned to the neck and wrist (or equivalent clothing) and chemical resistant gloves. Clothing must be laundered after each day's use.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

DO NOT contaminate streams, rivers or waterways with the chemical or used containers.

DO NOT apply with spray droplets smaller than FINE spray droplet size category.

DO NOT apply if there are aquatic and wetland areas including aquacultural ponds, surface streams and rivers downwind from the application area and within the mandatory no-spray zones shown in the table below:

No spray zones for Protection of the Aquatic Environment

FOR GROUND APPLICATION From 3 to 20 kilometres 5 metres

DO NOT apply with aircraft.

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