

## IMPACT CS

REG. NO. L10163 Act No. 36 of 1947

**AN ADVANCED AQUEOUS MICRO-ENCAPSULATED FORMULATION CONTAINING A RESIDUAL CONTACT  
PYRETHROID AND RESISTANCE BREAKING SYNERGIST IN COMBINATION**

For the control of Flies, Mosquitoes, Cockroaches, Crickets, Bedbugs, Silverfish, Fishmoths, Mill Moth, Warehouse Moth, Tropical Warehouse Moth, Dried Fruit Moth, Indian Meal Moth, Flour Beetle, Saw Toothed Grain Beetle, Red Rust Flour Beetle, Tobacco Beetle, Litter Beetle and Larvae, Hide and Skin Beetle and Larvae.

For use in museums, offices, schools, domestic homes, institutions, hospitals, hotels, food preparation and storage facilities.

### ACTIVE INGREDIENT

Deltamethrin (Pyrethroid)	30.00 g/litre (3.00%)
Piperonyl Butoxide (Synergist)	150.00 g/litre (15.00%)

### Manufactured & Distributed by:

Synvita CC

### Registration Holder:

Lifeguard Sciences (Pty) Ltd

Reg. No. 2014/079879/07

PO Box 13221,

Cascades,

3201,

South Africa.

Tel: (033) 346 1920

Members or CropLife South Africa

Net Contents: 1 litre

Batch no: See Container

Date of manufacture: See Container

UN NO. 2588

Griffon Poison Centre: 082 446 8946



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## WARNINGS:

- May cause transient irritation of the skin, eyes, mucous membranes and skin.
- Poisonous when swallowed or inhaled.
- Keep out of reach of children, uninformed persons and animals.
- Toxic to fish and bees. Harmful to wildlife.
- Dispose of packaging in a safe responsible way in accordance with local regulations.
- Do not spray directly onto foodstuffs or surfaces on which food is prepared, stored or eaten.
- Store in a cool place away from food and feedstuffs.

## PRECAUTIONS:

- Do not use in the presence of persons with known sensitivity to pyrethroids.
- In the case of accident, sign of sensitivity or illness obtain medical advice.
- Wear protective clothing when handling the product or diluted spray mixture.
- Wear a face shield when applying the diluted washes to surfaces or when working in spray mist.
- Avoid skin contact and wash splashes from skin or eyes immediately.
- Wash with soap and water after use.
- Wash contaminated clothing daily.
- Do not eat, drink or smoke whilst mixing or applying before washing face and hands.
- Prevent contamination of food, feedstuffs, drinking water, eating utensils and food preparation equipment.

## DIRECTIONS FOR USE:    **USE ONLY AS DIRECTED**

For the control of crawling and flying insects **IMPACT CS** should be diluted with clean water and applied with a suitable compression sprayer with pressure gauge. After closure of the tank agitate to ensure thorough mixing of the content. A tank pressure of between 1.7 and 3.6 bar (25-55 psi) is recommended. The use of a flat fan nozzle is recommended to ensure correct, even application of coarse droplets to the target surface. For crack and crevice treatments a pin stream nozzle is preferred.

Insect	Insect Challenge	Dilution Rate/5 litres	Application Rate	Preparation & Application
<b>Nuisance Mosquitoes:</b> <i>Anopheles spp, Aedes spp, Culex spp.</i>	High	85 ml	Apply a coarse spray of 5 litres of wash to 125 m <sup>2</sup> of surface area prior to the point of run-off. This will vary with the nature of the surface being treated. (Deposit rate = 20.4 mg/m <sup>2</sup> ).	Prior to spraying, remove furnishings including bedding, clothing and cooking utensils from the area to be sprayed. If this is not possible, it is recommended that protective sheets/dust covers be used to prevent contamination of these surfaces during spraying. All walls and surfaces including ceilings/thatch should be sprayed from top to bottom in a vertical spray pattern ensuring even, total coverage. Ensure all internal walls of out buildings and exterior surfaces protected from rain such as verandas and overhangs are sprayed.
	Maintenance	50 ml	Apply to 125 m <sup>2</sup> of surface area. (Deposit rate = 12 mg/m <sup>2</sup> ).	
<b>Stored Product Insects (STORAGE AREAS AND WHERE PARISHABLES ARE IN PROTECTIVE BAGS):</b> Mill moth, Warehouse/Tobacco moth, Tropical warehouse moth, Dried Fruit moth/Indian Meal moth, Grain weevil, Flour beetle, Grain borer, Saw-toothed Grain beetle, Rust Red Flour beetle, Hide & Skin beetle & larvae, Litter beetle & larvae and the Tobacco beetle.	High	85 ml	Apply a coarse spray of 5 litres of wash to 125 m <sup>2</sup> of surface area prior to the point of run-off. This will vary with the nature of the surface being treated. (Deposit rate = 20.4 mg/m <sup>2</sup> ).	The recommended application will provide the optimum deposit rates of active ingredient, ensuring excellent long-term residual performance on most surfaces. Attention should be given to crack and crevice treatments. The recommended application will provide an optimum deposit rate ensuring excellent residual performance on most surfaces.
	Maintenance	50 ml	Apply to 125 m <sup>2</sup> of surface area. (Deposit rate = 12 mg/m <sup>2</sup> ).	Do not apply directly to grain.
<b>Flies and Flying Insects:</b> House fly, Stable fly, Horn fly, Horse fly, Blow fly, Mushroom fly, Sewage fly and other flying insects in moderate to high density breeding areas.	High	85 ml	Apply a coarse spray of 5 litres of wash to 125 m <sup>2</sup> of surface area prior to the point of run-off. This will vary with the nature of the surface being treated. (Deposit rate = 20.4 mg/m <sup>2</sup> ).	In order to obtain the desired result it is recommended that all walls, ceilings, underneath of roof sheets, support and cross beams be sprayed from top to bottom in a vertical spray pattern ensuring even, total coverage. The recommended application will provide the optimum deposit rate ensuring excellent long-term residual performance on most surfaces.
	Maintenance	50 ml	Apply to 125 m <sup>2</sup> of surface area. (Deposit rate = 12 mg/m <sup>2</sup> ).	
<b>Crawling Insects:</b> Cockroaches including American cockroach, German cockroach, Oriental cockroach, crickets, bedbugs, silverfish, stink bugs and other insects of public health importance.	High	85 ml	Apply a coarse spray of 5 litres of wash to 125 m <sup>2</sup> of surface area prior to the point of run-off. This will vary with the nature of the surface being treated. (Deposit rate = 20.4 mg/m <sup>2</sup> ).	Spray all skirting boards, wall floor junctions, carpets, pets bedding, inside of cupboards and surfaces where insects are seen or may contact. Attention should be given to cracks and crevices and other potential harborages. For ant control spray a broad band around the exterior of the premises or where ant runs and nest sites are identified. It should however, be noted that external treatments may experience shorter residual activity due to exposure to rain etc. Retreat as necessary.
	Maintenance	50 ml	Apply to 125 m <sup>2</sup> of surface area. (Deposit rate = 12 mg/m <sup>2</sup> ).	

The subsequent residual activity of IMPACT CS will depend on the following:

- species to be controlled
- the surface to be sprayed
- physical & chemical conditions to which the active ingredient is exposed
- level of infestation

This product has been scientifically tested and patented. The polymer matrix prevents the degradation of the molecules caused by sunlight and oxygen and has been proven to have excellent residual properties against a broad spectrum of insect pests. It has an excellent safety profile, is non-staining, non-tainting and has no smell.

**Integrated Pest Management (IPM):** In the control of insect pests it is recommended that other interventions be used in conjunction with each other to improve the desired levels of control. Detection of insect infestations using monitoring systems and pheromones should be considered to ensure pesticides are used only when necessary. The use of space sprays containing photolabile pyrethroids and natural pyrethrum are known to cause hyperactivity and flushing of insects out of harbourages. This increases the potential for insects to contact the residual surface treatments thus improving the overall efficacy of the programme.