

Pesguard® S102

Clean & effective insect control

Pesguard® S102 is a new water based insecticide providing broad spectrum insect control, with low environmental impact.



Insect Control

Introduction

Pesguard® S102 is an advanced micro-emulsion formulation designed to be used as a non-persistent insecticide spray in a wide range of indoor and outdoor public health & hygiene situations. The non-persistent active ingredient combined with the absence of an added synergist makes Pesguard S102 particularly suited for use in 'sensitive areas', including food handling premises, public buildings and the tobacco & textile industries. Pesguard S102 provides broad spectrum insect control, where long re-entry periods are simply not practical. Pesguard® S102 is diluted with water and has virtually no odour and does not contain any volatile organic compounds (VOC's). Pesguard S102 gives fast knockdown, rapid flushing and kill of a wide range of public health insect pests.

Pesguard® S102 can be applied as an ultra-low volume aerosol, mist or surface spray effective against a wide variety of flying and crawling insect pests. The advanced formulation is designed for dilution with water and application with standard conventional or ULV equipment. It gives a stable and clear emulsion and has been optimized to give fast and cost-effective kill of insects, including flies, mosquitoes, cockroaches, ants, fleas, stored product pests and bedbugs.

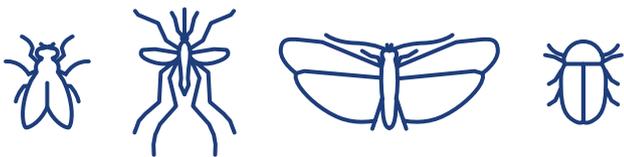
Short residual life for sensitive locations

The active ingredient in Pesguard S102 is photolabile, meaning that it breaks down under natural light and has a short life in the environment. It has good knockdown activity especially when used as a direct spray. It is completely acceptable for domestic and other use situations as it is clean, odourless and leaves no unsightly deposits.

For control of

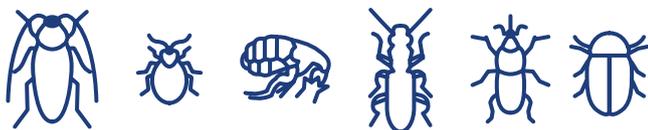
Flying insects

e.g. Flies, Mosquitoes, Stored Product Moths and Tobacco Beetles



Crawling insects

e.g. Cockroaches, Bed Bugs, Fleas, Grain Beetles, Grain Weevils, Tobacco Beetles



Key Features and Benefits

- Rapid knockdown and fast flushing action
- Short residual activity
- No synergist – does not contain piperonyl butoxide (PBO)
- Water based formulation
- Control of both flying and crawling insects
- Low environmental impact and no bio-accumulation
- Very low rates of application
- Micro emulsion formulation designed to provide uniform droplet sizes



Where to use it

Pesguard® S102 can be used in a wide variety of insect control situations including:

Indoor uses:

- Domestic premises
- Commodity storage (including tobacco facilities)
- Food handling
- Processing – food manufacture, kitchens, slaughterhouses etc.
- Storage – food retailers, warehouses, raw material stores etc.
- Preparation – restaurants, commercial kitchens etc.
- Public buildings
- Hospitals, hotels, public baths, municipal buildings, churches, halls, community centres, cinemas etc.

Note: The product can be used in continuously occupied areas as a band/spot or crack and crevice treatment only.

Outdoor uses:

- Refuse tips, sewage works (excluding filter beds), amenity areas etc.

Pesguard® S102 is extremely effective against a wide variety of insect pests and is an ideal product for all round control of insects. Because of the short persistence of the active ingredient, Pesguard® S102 is well suited for sensitive use situations – especially when a long exclusion period after treatment is not practical.



How to use it

Pesguard® S102 should be diluted with water at the required rate (see below for guidelines). The unique micro-emulsion formulation means that the diluted product will be physically stable for an extended period (no separation). However, it is always good practice to dilute the product immediately before use and to prepare only the quantity that is needed immediately.

The diluted product may be applied with any standard spray equipment recommended for the use situation and can be applied:

- As an aerial spray
- Into cracks and crevices and other insect hideaways
- Directly onto insects or onto surfaces on which insects walk (in this case it should be re-applied to surfaces as necessary and after cleaning).

| Treatment | Pest Species | Dilution Rate with water | Application Rate |
|-----------------------------|--|----------------------------|-------------------------------|
| Space Spray Indoors | | | |
| Ultra Low Volume Aerosol | Flying Insects | 1 + 1 (e.g. 100ml + 100ml) | 200ml / 3000m ³ |
| | Crawling Insects Cockroaches | 1 + 1 (200ml + 200ml) | 400ml / 3000m ³ |
| | Fleas & Bed Bugs | 1 + 1 (150ml + 150ml) | 300ml / 3000m ³ |
| | Stored Product Insects & Tobacco Beetles | 1 + 1 (200ml + 200ml) | 400ml / 3000m ³ |
| Misting | Flying Insects | 1 + 9 (100ml + 900ml) | 1 litre / 3000m ³ |
| | Crawling Insects Cockroaches | 1 + 4 (200ml + 800ml) | 1 litre / 3000m ³ |
| | Fleas & Bed Bugs | 1.5 + 8.5 (150ml + 850ml) | 1 litre / 3000m ³ |
| | Stored Product Insects | 1 + 4 (200ml + 800ml) | 1 litre / 3000m ³ |
| Space Spray Outdoors | | | |
| Ultra Low Volume Aerosol | Flying Insects | 1 + 4 | 0.5 litre / ha |
| Misting | | 1 + 199 | 20 litres / ha |
| Surface Spray | | | |
| | Crawling Insects Cockroaches, Fleas & Bed Bugs, Stored Product Insects, Tobacco Beetles | 1 + 249 | 5 litres / 100 m ² |

Rotation

As a responsible supplier and long standing member of IRAC (Insecticide Resistance Action Committee), Sumitomo Chemical always recommends insecticidal classes are used in a rotation strategy as part of a resistance management program.

Storage & Disposal

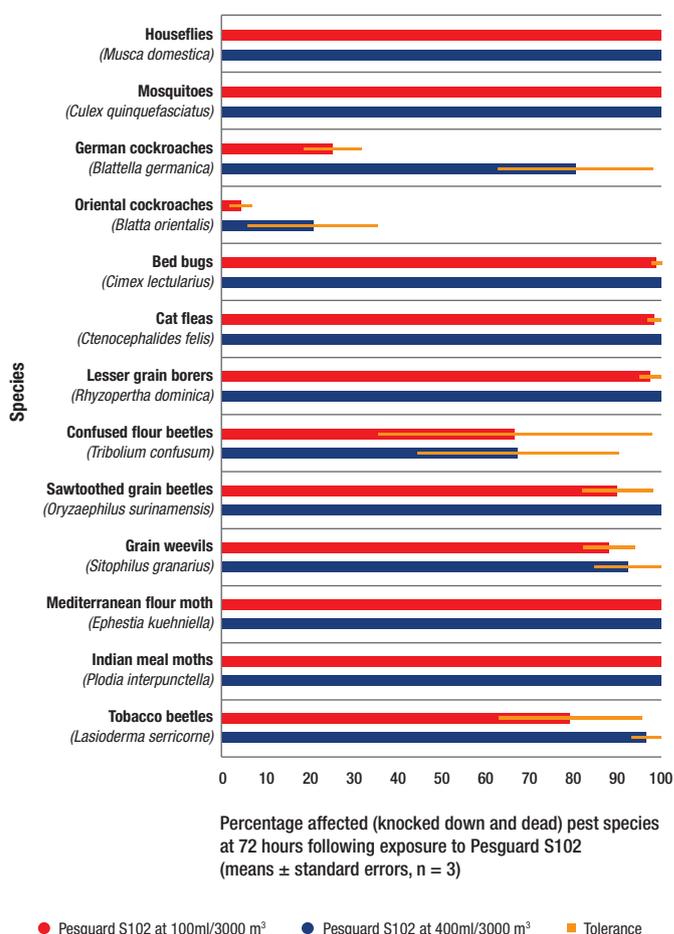
Follow label instructions.

Precautions

Apply ONLY in locations not accessible to children, pets, domestic animals or wildlife and ONLY on surfaces not routinely contacted by livestock or farm workers. Protect from water and rainfall. Do not contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

Disposal

Follow label instructions.



Pesguard[®] S102

Pesguard[®] S102 Product Profile

Pesguard S102 provides broad based insect control with low environmental impact. The unique formulation is water based, with a short residual life and has no added synergist. Pesguard S102 is perfectly suited for use in sensitive treatment locations, where insects must be controlled but persistent chemicals are simply not an option.

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