



BugGuard Technical Data Sheet

Physical Characteristics

Color – Off White, Dries Clear

Fragrance – Floral

Vapor Density – >1 (air = 1)

pH – 6.8

Specific Gravity – .63g per mL

Hazardous Safety Data

Acute data as pertaining to humans:*

Oral Toxicity – moderate

Epidermal Toxicity – none

Inhalation Toxicity – none (use respirator in enclosed spaces if necessary)

*women who are pregnant or nursing should use extra caution if using BugGuard

Precautionary Data

Product should not be ingested or come into contact with the eyes. If ingested immediately drink 3 to 4 glasses of milk or water, do not induce vomiting, seek medical attention. If sprayed into eyes flush thoroughly with cold water.

Ingredients

Citronella
Peppermint
Lemongrass
Sodium Lauryl Sulfate (SLS)
Methyl Eugenol
Zinc Oxide
Isopropyl Alcohol

Ants (Formicidae):

Efficacy:

Citronella – Repellant

SLS – Kills physically via dehydration, dries out and cracks exoskeleton

Peppermint – Kills chemically via contact and ingestion; and repels

Zinc Oxide Nano Coating – Using our proprietary Nano particles the microscopic Zinc particles are coated with our active ingredients during production, laying an invisible barrier down on the treated surface that continues to kill and repel for up to 2 weeks!

Directions: Apply as spot or crack and crevice treatment where insects are harboring, traveling or breeding. Treat interior entry points such as around windows, doors, water pipes etc. Also treat feeding and hiding areas such as baseboards, floor, rugs, carpet, under appliances, cabinets and sinks.

Bees (Apis):

Efficacy:

Citronella – Repellant

Peppermint – Kills chemically via contact and ingestion; and repels

Directions: Spray directly to knock out of air, spray onto and around nests and by entry/access points. Use BugGuard Fogger for large flying insect infestations. To release the fogger press the actuator in until it locks, set it down and leave the room. The room should remain unoccupied for a minimum of 1 hour. Our 8 oz fogger treats up to 625 square feet, a 25' X 25' room with an 8' ceiling. For larger areas strategically place multiple foggers to cover the room. Any AC or heat vents in the room as well as air intakes that move or circulate large volumes of air should be turned off or covered before the fogger is used so it can dispense properly without interference. It is best to set the fogger in the center of the room approx. 2 feet off the ground (on a table or chair for instance), however it can be set on the floor if necessary.

Bed Bugs (Cimex lectularius):

Efficacy:

Citronella – Repellant

SLS – Kills physically via dehydration, dries out and cracks exoskeleton

Methyl Eugenol – Attracts bed bugs to initially treated area; kills chemically via ingestion

Zinc Oxide Nano Coating – Using our proprietary Nano particles the microscopic Zinc particles are coated with our active ingredients during production, laying an invisible barrier down on the treated surface that continues to kill and repel for up to 2 weeks!

Directions: Apply as spot treatment to cracks and crevices and on and around baseboards, floorboards, bed frames, wall hangings, headboards, furniture, door and window frames, woodwork, trim and walls. Apply as surface spray to carpet, mattress, box springs, furniture, bedding, floor/floor coverings, garments, luggage, closet, drapes, etc. Thoroughly clean and air-out mattresses and box springs then treat areas that may harbor bugs and/or eggs such as, folds, seams and tufts. When treating for bed bugs spray thoroughly until area being treated is lightly damp.

Dust Mites (Dermatophagoides pteronyssinus):

Efficacy:

Citronella – Repellant

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Peppermint – Kills chemically via contact and ingestion; and repels

Lemongrass - Kills chemically via contact and ingestion; and repels

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Directions: vacuum the area including mattresses, base boards, etc. where mites congregate. Then apply as spot or crack and crevice treatment where insects are harboring, traveling or breeding. Treat interior entry points such as around windows, doors, water pipes etc. Also treat feeding and hiding areas such as baseboards, floor, rugs, carpet, under appliances, cabinets and sinks.

Fleas (Siphonaptera):

Efficacy:

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Directions: Apply as spot or crack and crevice treatment where insects are harboring, traveling or breeding. Treat interior entry points such as around windows, doors, water pipes etc. Also treat feeding and hiding areas such as baseboards, floor, rugs, carpet, under appliances, cabinets and sinks. Spray on and around pet's habitat, bed, furniture and all areas where pets are kept. Do not spray directly onto animals.

Flies (Diptera):

Efficacy:

Citronella – Repellant

Peppermint – Kills chemically via contact and ingestion; and repels

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Lice (Phthiraptera):

Efficacy:

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Moths (Lepidoptera):

Efficacy:

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Mosquitoes (Culicidae):

Efficacy:

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Roaches (Blattaria):

Efficacy:

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Spiders (Araneae):

Efficacy:

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Methyl Eugenol – Attracts bed bugs to initially treated area; kills chemically via ingestion

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Termites (Termitoidae):

Efficacy:

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Ticks (Ixodoidea):

Efficacy:

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Wasps (Hymenoptera):

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