

Technical Bulletin



Sector® Misting Concentrate is a synergized permethrin formulation that provides knockdown and residual control of insects in residential, commercial, livestock and non-food handling areas. This water-based insecticide is versatile and can be automatically misted or manually applied.

Features and Benefits

- Kills flies, mosquitoes that may transmit West Nile and Zika virus, deer ticks that may transmit Lyme disease and other listed insects
- Will not harm most common ornamental plants
- Formulated for stable dilution with water
- Synergized with piperonyl butoxide (PBO) to combat metabolic resistance and increase effectiveness

Product Specifications

Key Target Pest(s)	Flies, mosquitoes and ticks
Signal Word	Caution
Form	Concentrate
Active Ingredient(s)	Permethrin; Piperonyl butoxide (PBO)
Class of Chemistry	Pyrethroid (3A); Synergist
Activity	Kills by contact
Mode of Action	Sodium channel modulator
Stability	Avoid freezing, but if frozen, thaw and shake before use
Flammability	Not listed as flammable or combustible
Odor	Sweet, solvent
PPE Requirements	Long pants, long sleeves, shoes and socks, chemical resistant gloves, respirator (enclosed spaces)
Retreat Interval	Variable. See label for specific uses
Mix or Dilute In	Water; Oil dilution for backrubber applications
Shelf Life	3 years in ideal storage conditions



Scan the QR code or visit
mgk.com/sector
to see resources and
additional information.

Use Sites

Indoor and Outdoor Areas

- Residential homes
- Commercial buildings
- Non-food areas
- Trees, lawns and turf

Livestock Areas

- On and over animals
- Livestock housing
- Poultry housing

Automatic Spraying Systems

- Animal premise
- Outdoor residential misting

Packaging

- 64 ounce bottle (4 per case)
- 1 gallon bottle (4 per case)
- 55 gallon drum
- 80 x 1 gallon overpack
- 275 gallon tote



Application Methods

- Spot treatment
- Crack and crevice
- Space spray
- Livestock applications
 - Dipping
 - Sponging
 - Backrubber

Recommended Equipment

- Automatic systems
- Backpack mist blowers
- Compressed air sprayers
- Power sprayers

Automatic Misting Systems Tips and Tricks From the MGK Technical Department**Avoid sun and heat**

- Place the misting system holding tank out of direct sunlight. Cover the tank with a light colored or reflective cover to minimize solar heating of the solution.

Apply during active periods

- Set the system timer to treat when target insects are most active, such as dawn and dusk.

Keep things clean

- Be sure to clean the tank between refills and use an antimicrobial.
- Do not use compounds that could alter the solution pH out of the 5.5 – 7.0 range.
- If buildup is observed in the tank, empty it completely and clean thoroughly before refilling.

Monitor misting system output

- Check and clean system nozzles and filters for optimal particle size and distribution.

MGK Sustainability in Action

- Water-based, non-flammable formulation concentrated to reduce transportation carbon emissions
- Containers are HDPE and 100% recyclable
- Shipping cartons and paper labels are sourced from Sustainably Managed Forests
- Formulated in a production facility that uses 100% renewable energy
- Small, refillable containers available to reduce packaging waste

Always read and follow all label instructions. For any medical or safety questions, concerns or incident reports, call 1.888.740.8712.

EPA Registration Number: 1021-1834

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