VamPyre® Misting Concentrate is a water-based microemulsion designed to provide unparalleled long-term stability in water dilutions.

- VamPyre kills mosquitoes including the Culex species that may carry and transmit the West Nile Virus
- VamPyre kills and repels Stable Flies, Horse Flies, Face Flies, Deer Flies, House Flies, Mosquitoes and Gnats
- Kills mosquitoes, including the Aedes mosquito that may carry and transmit Zika virus
- VamPyre controls Deer Ticks and other ixodid species that may carry and transmit Lyme disease
- VamPyre features a 1:10 ratio of pyrethrum to synergist
- VamPyre’s superior water-based formulation technology is easy on landscape plants

**Product Specifications**

<table>
<thead>
<tr>
<th>Signal Word</th>
<th>Caution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Packaging</td>
<td>Gallons (2 per case)</td>
</tr>
<tr>
<td>EPA Registration Number</td>
<td>1021-1800</td>
</tr>
<tr>
<td>Food Handling</td>
<td>For use in food and non-food areas</td>
</tr>
<tr>
<td>Stability of Undiluted Product</td>
<td>Stable</td>
</tr>
<tr>
<td>Stability of Diluted Product</td>
<td>Stable in solution</td>
</tr>
<tr>
<td>Appearance</td>
<td>Amber liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>Slight odor of petroleum distillates</td>
</tr>
<tr>
<td>Active Ingredients</td>
<td>Pyrethrins and PBO</td>
</tr>
<tr>
<td>Flammability</td>
<td>Classified as an OSHA-combustible liquid</td>
</tr>
<tr>
<td>Mode of Action</td>
<td>Sodium channel modulator – disrupts insects’ nervous system</td>
</tr>
<tr>
<td>Class of Chemistry</td>
<td>Pyrethrins and insecticide synergists</td>
</tr>
<tr>
<td>Respirator Required</td>
<td>Required when fogging in an enclosed area and when using with a high pressure hand wand in an enclosed area</td>
</tr>
<tr>
<td>Mix or Dilute in</td>
<td>Water only</td>
</tr>
<tr>
<td>Activity</td>
<td>Flushes insects from hiding; contact kill</td>
</tr>
<tr>
<td>Shelf Life</td>
<td>3 years or more if stored at room temperature</td>
</tr>
</tbody>
</table>

**Use Areas**

**Automatic Misting Systems, including:**
- Animal housing
- Residential
- Zoos
- Barns
- Warehouses

**Indoor Use as a Surface Spray and a Space Spray in Food and Non-food Areas**

**Livestock, Dairy and Poultry Production Facilities, and Premises**

**Pet Premise Treatment**

**General Outdoor Premise Treatment**

**Transportation Equipment**
- Ships
- Trains
- Trucks

**Method of Application**

- Automatic misting system
- Conventional mechanical fogger (space spray)
- Hand-held mechanical foggers
- Compressed air sprayer (surface spray)
- Broadcast surface treatment
- Crack and crevice treatment
- Spot treatment
Best Practices when using VamPyre®
Misting Concentrate in Misting Systems

Test for proper pH balance
Test your water to ensure the pH of the misting solution is in the 5.5 to 7.0 range. If the solution is outside that pH range, pyrethrum will degrade, and performance will be reduced.

Avoid sun and heat
Place the misting system holding tank out of direct sunlight. Pyrethrum degrades at high temperatures. Cover the tank with a light-colored or reflective cover to minimize solar heating of the solution.

Keep things clean
Be sure to clean the tank between refills, or use an anti-microbial to prevent the development of bacteria or other natural organisms that will break down the pyrethrum. Do not use compounds which could alter the solution pH out of the 5.5 to 7.0 range. If buildup is observed in the tank, empty it completely and be sure to clean it thoroughly before refilling.

Monitor misting system output
Check and clean misting system nozzles and filters to be sure you are getting the particle size and distribution necessary to achieve good coverage.

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

Display proper labels
Make sure that a waterproof envelope with the product label is securely attached to the outside of the residential misting tank.

Follow guidelines
Always follow system manufacturer’s recommendations regarding set up and maintenance. Follow insecticide product label and all Federal, State and Local regulations relating to installation and use of misting systems and the insect control products used with them.

Key Insects Controlled

VamPyre is labeled for the control of insects including, but not limited to:
- Almond Moths
- Angoumois Grain Moths
- Ants
- Bed Bugs
- Black Carpenter Ants
- Black Flies
- Black Widow Spiders
- Blood Sucking Lice
- Boxelder Bugs
- Brown Dog Ticks
- Caddies
- Carpet Beetles
- Cat Fleas
- Cellar Spiders
- Cereal Beetles
- Cheese Mites
- Cheese Skippers
- Chocolate Moths
- Cigarette Beetles
- Clothes Moths
- Clover Mites
- Cockroaches
- Confused Flour Beetles
- Crickets
- Dark Mealworms
- Darkling Beetles
- Deer Flies
- Deer Ticks (carrier of Lyme disease)
- Dermestid Beetles
- Dog Fleas
- Dried Fruit Beetles
- Drugstore Beetles
- Earwigs
- Face Flies
- Fannia Flies
- Firebrats
- Flat Grain Beetles
- Fleas
- Flies
- Fruit Flies
- Fungus Gnats
- Gnats
- Grain Mites
- Granary Weevils
- Hide Beetles
- Horn Flies
- Hornets
- Horse Flies
- House Flies
- Indian Meal Moths
- Khapra Beetles
- Lesser Grain Beetles
- Lesser Grain Borers
- Lesser House Flies
- Lice
- Mediterranean Flour Moths
- Merchant Grain Beetles
- Midges
- Miller Moths
- Millipedes
- Mosquitoes including the Culex species that may carry and transmit the West Nile Virus
- Palmetto Bugs
- Pillbugs
- Poultry Lice
- Red Flour Beetles
- Rice Flour Beetles
- Rice Weevils
- Rusty Grain Beetles
- Saw-tooth Grain Beetles
- Sheep Ticks
- Silverfish
- Skipper Flies
- Small Flying Moths
- Sawbugs
- Spider Beetles
- Spiders
- Stable Flies
- Ticks that may carry and transmit Lyme disease
- Tobacco Moths
- Trogoderma Beetles
- Warehouse Beetles
- Wasps
- Waterbugs
- Yellow Mealworms
- Yellow Jackets

Always read and follow label and SDS directions.

To learn more, visit www.mgk.com, call 1-800-645-6466 or send an e-mail to brands@mgk.com.