**SECTION 1. Product and Company Identification**  
**FLYSECT WATER-BASED REPELLENT SPRAY**

**Product Code:** 21165-34-270  
**Product Name:** FLYSECT WATER-BASED REPELLENT SPRAY  
**Reference #:** 11901

**Manufacturer Information**

**Company Name:** Distributed by:
Farnam Companies, Inc.
301 West Osborn Road
Phoenix, AZ

**Emergency Contact:** CHEMTREC  
(800)424-9300

**Alternate Emergency Contact:** District of Columbia  
(202)483-0414

**Information:** Farnam Companies, Inc.  
(800)234-2269

---

**SECTION 2. Composition/Information on Ingredients**  
**FLYSECT WATER-BASED REPELLENT SPRAY**

<table>
<thead>
<tr>
<th>Hazardous Components (Chemical Name)</th>
<th>CAS #</th>
<th>Concentration</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Permethrin</td>
<td>52645-53-1</td>
<td>0.15 %</td>
<td>No data.</td>
<td>No data.</td>
</tr>
<tr>
<td>Pyrethrins and Pyrethroids</td>
<td>8003-34-7</td>
<td>0.075 %</td>
<td>No data.</td>
<td>No data.</td>
</tr>
<tr>
<td>Piperonyl butoxide</td>
<td>51-03-6</td>
<td>0.75 %</td>
<td>No data.</td>
<td>No data.</td>
</tr>
</tbody>
</table>

---

**SECTION 3. Hazards Identification**  
**FLYSECT WATER-BASED REPELLENT SPRAY**

**Emergency Overview**  
KEEP OUT OF REACH OF CHILDREN

**Route(s) of Entry:** Inhalation? Yes , Skin? Yes , Eyes? Yes , Ingestion? Yes

**Potential Health Effects (Acute and Chronic)**
No data available.

**Recommended Exposure Limits**
Permethrin, 8 hr TWA, 2.6 mg/m3

**LD 50 / LC 50**
LD50 rats=2,312 gm/kg(males)

**Signs and Symptoms Of Exposure**
The following information is based on the data* collected on the concentrate used for preparing this product. Safety profile of this product is expected to be better than the concentrate.

Oral LD 50 in rats = 2.312 gm/kg (males)
Oral LD 50 in rats = 2.133 gm/kg (females)
Dermal LD 50 in rabbits = 2.000 g/kg
Skin irritation in rabbits = mild irritation
Eye irritation in rabbits = minimal irritant
Acute inhalation in rats = >5 mg/liter

*Data provided by vendor

Medical Conditions Generally Aggravated By Exposure
None known

SECTION 4. First Aid Measures
FLYSECT WATER-BASED REPELLENT SPRAY

Emergency and First Aid Procedures
IF INGESTED: Call a physician or Poison Control Center. Drink 1 or 2 glasses or water and induce vomiting by touching back of throat with finger. Do not induce vomiting in an unconscious person.
IF ON SKIN: Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.
IF IN EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.
IF INHALED: Remove to fresh air. If cough or respiratory symptoms develop, get immediate medical attention.

SECTION 5. Fire Fighting Measures
FLYSECT WATER-BASED REPELLENT SPRAY

Flash Pt: NA
Explosive Limits: LEL: No data. UEL: No data.
Autoignition Pt: NA

Fire Fighting Instructions
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH approved or equivalent and full protective gear. Do not allow run-off to enter waterways inhabited by aquatic organisms.

Flammable Properties and Hazards
None known

Hazardous Combustion Products
None known

Extinguishing Media
Foam, carbon dioxide, and dry chemical

Unsuitable Extinguishing Media
None known

SECTION 6. Accidental Release Measures
FLYSECT WATER-BASED REPELLENT SPRAY

Steps To Be Taken In Case Material Is Released Or Spilled

http://msds.farnam.com/m000843.htm
9/21/2010
Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Avoid runoff into storm sewers and ditches which lead to waterways inhabited by aquatic organisms.

### SECTION 7. Handling and Storage

**FLYSECT WATER-BASED REPELLENT SPRAY**

**Hazard Label Information:**
Avoid contact w/eyes/skin/clothing. Avoid breathing mist or vapor. Do not use/store near heat/open flame Store in cool, dry area

**Precautions To Be Taken in Handling**
No data available.

**Precautions To Be Taken in Storing**
Store in a cool, dry place away from heat and flames.

### SECTION 8. Exposure Controls/Personal Protection

**FLYSECT WATER-BASED REPELLENT SPRAY**

**Respiratory Equipment (Specify Type)**
Atmospheric levels should be maintained below the exposure guideline. When respiratory protection is required for certain operations, use a NIOSH/MSHA approved respirator.

**Eye Protection**
Goggles

**Protective Gloves**
Impervious gloves should be used if prolonged or excessive skin exposure is expected.

**Other Protective Clothing**
Clothes to prevent skin contact

**Engineering Controls (Ventilation etc.)**
Good general ventilation should be sufficient to control airborne levels.

**Work/Hygienic/Maintenance Practices**
Eye wash stations should be available. Wash hands before eating, smoking, or using restroom.

### SECTION 9. Physical and Chemical Properties

**FLYSECT WATER-BASED REPELLENT SPRAY**

**Physical States:**
[   ] Gas       [ X ] Liquid       [   ] Solid

**Melting Point:**
NA

**Boiling Point:**
NA

**Autoignition Pt:**
NA

**Flash Pt:**
NA

**Explosive Limits:**
LEL: No data.                                    UEL: No data.

**Specific Gravity (Water = 1):**
1.02

**Density:**
NA

**Bulk density:**
NA

**Vapor Pressure (vs. Air or mm Hg):**
N.A.

**Vapor Density (vs. Air = 1):**
N.A.

**Evaporation Rate (vs Butyl Pa 3 of 5) MSDS: FLYSECT WATER-BASED REPELLENT SPRAY 9/21/2010 http://msds.farnam.com/m000843.htm**
Acetate=1):
Solubility in Water: No data.
Solubility Notes
Miscible in water
Percent Volatile: N.A.
Saturated Vapor
Concentration: NA
Viscosity: NA
Heat Value: NA
Particle Size: NA
Corrosion Rate: NA
pH: NA
Appearance and Odor
Transparent to slightly milky, with a slight odor.

**SECTION 10. Stability and Reactivity**
FLYSECT WATER-BASED REPELLENT SPRAY

Stability: Unstable [   ] Stable [ X ]
Conditions To Avoid - Instability
None known
Incompatibility - Materials To Avoid
Strong oxidizing agents
Hazardous Decomposition Or Byproducts
Carbon monoxide, carbon dioxide, chlorine, & hydrogen chloride.
Hazardous Polymerization: Will occur [   ] Will not occur [ X ]
Conditions To Avoid - Hazardous Polymerization
Product will not undergo polymerization.

**SECTION 11. Toxicological Information**
FLYSECT WATER-BASED REPELLENT SPRAY

Not available
Carcinogenicity/Other Information
No data available.

<table>
<thead>
<tr>
<th>Hazardous Components (Chemical Name)</th>
<th>CAS #</th>
<th>NTP</th>
<th>IARC</th>
<th>ACGIH</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Permethrin</td>
<td>52645-53-1</td>
<td>n.a.</td>
<td>n.a.</td>
<td>n.a.</td>
<td>n.a.</td>
</tr>
<tr>
<td>Pyrethrins and Pyrethroids</td>
<td>8003-34-7</td>
<td>n.a.</td>
<td>n.a.</td>
<td>A4</td>
<td>n.a.</td>
</tr>
<tr>
<td>Piperonyl butoxide</td>
<td>51-03-6</td>
<td>n.a.</td>
<td>n.a.</td>
<td>n.a.</td>
<td>n.a.</td>
</tr>
</tbody>
</table>
Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

**SECTION 12. Ecological Information**
FLYSECT WATER-BASED REPELLENT SPRAY

Not available
SECTION 13. Disposal Considerations
FLYSECT WATER-BASED REPELLENT SPRAY

Waste Disposal Method
Dispose of in accordance with local, State and Federal regulations.

SECTION 14. Transport Information
FLYSECT WATER-BASED REPELLENT SPRAY

LAND TRANSPORT (US DOT)

DOT Proper Shipping Name  Not regulated as hazardous by U.S. DOT.
DOT Hazard Label:      None

SECTION 15. Regulatory Information
FLYSECT WATER-BASED REPELLENT SPRAY

No data available.

SECTION 16. Other Information
FLYSECT WATER-BASED REPELLENT SPRAY

Company Policy or Disclaimer
The information and data herein are believed to be accurate and have been compiled from sources believed to be reliable. It is offered for your consideration, investigation and verification.