SECTION 1. Product and Company Identification

FLYSECT WATER-BASED REPELLENT SPRAY

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

Manufacturer Name and Address:
Distributed by: CHEMTREC (800)424-9300
Farnam Companies, Inc. District of Columbia (202)483-0414
301 West Osborn Road Farnam Companies, In (800)234-2269
Phoenix, AZ.

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>
</tr>
</thead>
<tbody>
<tr>
<td>1. Permethrin {Cyclopropanecarboxylic acid, 3-(2,2-Dichloroethenyl)-2,2-dimethylcyclopropane carbolic</td>
<td>52645-53-1</td>
<td>0.15 %</td>
</tr>
<tr>
<td>2. Pyrethrins and Pyrethroids {Cinerin I or II; Pyrethrum}</td>
<td>8003-34-7</td>
<td>0.075 %</td>
</tr>
<tr>
<td>3. Piperonyl butoxide {2-(2-butoxyethoxy)ethyl 6-propylpiperonyl ether}</td>
<td>51-03-6</td>
<td>0.75 %</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>No data.</td>
<td>No data.</td>
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<td>No data.</td>
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<tr>
<td>No data.</td>
<td>No data.</td>
</tr>
</tbody>
</table>

SECTION 3. Hazards Identification
FLYSECT WATER-BASED REPELLENT SPRAY

Emergency Overview
No data available.

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

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

Carcinogenicity: NTP? No , IARC Monographs? No , OSHA Regulated? No

Carcinogenicity/Other Information
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.
**Note to Physician**
No data available.

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**SECTION 5. Fire Fighting Measures**

**FLYSECT WATER-BASED REPELLENT SPRAY**

- **Flash Pt:** N.A. **Method Used:** No data.
- **Explosive Limits:** LEL: No data. UEL: No data.
- **Autoignition Pt:** N.A. **Extinguishing Media**
  Foam, carbon dioxide, and dry chemical

**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**
No data available.

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**SECTION 6. Accidental Release Measures**

**FLYSECT WATER-BASED REPELLENT SPRAY**

**Steps To Be Taken In Case Material Is Released Or Spilled**
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.

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**SECTION 7. Handling and Storage**

**FLYSECT WATER-BASED REPELLENT SPRAY**

**Hazard Label Information:**
None known
Mechanical shock. Store away from incompatible material

**Precautions To Be Taken in Handling**
Do not use/store near heat/open flame

Precautions To Be Taken in Storing
No data available.

Other Precautions
No data available.

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
Boiling Point: N.A.
Melting Point: N.A.
Specific Gravity (Water = 1): 1.02
Density: No data.
Vapor Pressure (vs. Air or mm Hg): N.A.
Vapor Density (vs. Air = 1): N.A.
Evaporation Rate (vs Butyl Acetate=1): N.A.
Solubility in Water: No data.  
Percent Volatile: N.A.  
Saturated Vapor Concentration: No data.  
Viscosity: No data.  
pH: No data.  

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  

No data available.

SECTION 12. Ecological Information  
FLYSECT WATER-BASED REPELLENT SPRAY  

No data available.

SECTION 13. Disposal Considerations
Waste Disposal Method
Entire contents and rinsate must be used according to label directions. Triple-rinsed containers may be placed in trash. Unused product must be delivered to an EPA approved hazardous waste management facility.

SECTION 14. Transport Information

DOT Proper Shipping Name
No data available.

DOT Hazard Label: None
UN/NA Number: No dat

Additional Transport Information
No data available.

SECTION 15. Regulatory Information

No data available.

SECTION 16. Other Information

Supercedes Revision 04/14/2004

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.