**SECTION 1. Product and Company Identification**

**FLYSECT SUPER-7 REPELLENT SPRAY**

**Product Code:** 68688-22-270  
**Product Name:** FLYSECT SUPER-7 REPELLENT SPRAY  
**Manufacturer Name and Address:**  
Distributed by: CHEMTREC  
Farnam Companies, Inc.  
301 West Osborn Road  
Phoenix, AZ.  
**Telephone Numbers:**  
CHEMTREC: (800)424-9300  
Farnam Companies, Inc.: (800)234-2269  
**Dates:**  
Date Created: 12/14/1995  
Revision: 05/31/2007  
Printed: 05/31/2007

**Additional Identity Information**  
32-OZ w/sprayer: 10601, 32-oz refill: 10602, 1-gal refill: 10603

**SECTION 2. Composition/Information on Ingredients**

**FLYSECT SUPER-7 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 carboxylic acid}</td>
<td>52645-53-1</td>
<td>0.2 %</td>
</tr>
<tr>
<td>2. Pyrethrins and Pyrethroids {Cinerin I or II; Pyrethrum}</td>
<td>8003-34-7</td>
<td>0.2 %</td>
</tr>
<tr>
<td>3. Piperonyl butoxide {2-(2-butoxyethoxy)ethyl 6-propylpiperonyl ether}</td>
<td>51-03-6</td>
<td>0.5 %</td>
</tr>
<tr>
<td>4. N-OCTYL BICYCLOHEPTENE DICARBOXIMIDE</td>
<td>113-48-4</td>
<td>2.0 %</td>
</tr>
<tr>
<td>5. Dipropyl isocinchomeroneate {2,5-pyridinedicarboxylic acid, dipropyl ester}</td>
<td>136-45-8</td>
<td>1.0 %</td>
</tr>
<tr>
<td>6. BUTOXY POLYPROPYLENE GLYCOL</td>
<td>9003-13-8</td>
<td>5.0 %</td>
</tr>
</tbody>
</table>

**OSHA PEL**

**ACGIH TLV**
SECTION 3. Hazards Identification
FLYSECT SUPER-7 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/Other Information
A 2-year bioassay of technical Piperonyl Butoxide for possible carcinogenicity was conducted by administering dietary levels of 5,000 and 10,000 ppm to rats and mice. In the female rats, lymphomas occurred at incidences that were dose related. In the male mice, adenomas of the lacrimal gland occurred at incidences that were dose related but were not significantly higher than that in the control group. Thus, the occurrence of this tumor in the male mice was not clearly related to the administration of Piperonyl Butoxide.

Recommended Exposure Limits
Pyrethrins=5 mg/m3 Iso alcohol=400ppm

LD 50 / LC 50
LD50(rat):5.3g/kg (rabbit):>2.0g/kg

Signs and Symptoms Of Exposure
Symptoms associated with allergies, hayfever, i.e., itchy, runny eyes, stuffy/runny nose, chest discomfort, possible hives. In addition, alcohol may cause ataxia and dizziness.

Medical Conditions Generally Aggravated By Exposure
No data available.

SECTION 4. First Aid Measures
FLYSECT SUPER-7 REPELLENT SPRAY
Emergency and First Aid Procedures
IF IN EYES: Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.
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 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. Never give anything by mouth to an unconscious person. Avoid Alcohol.
IF INHALED: Remove to fresh air. Consult a physician in cases of breathing difficulty.

Note to Physician
No data available.

SECTION 5. Fire Fighting Measures
FLYSECT SUPER-7 REPELLENT SPRAY

Flash Pt: 65.00 F Method Used: No data.
Explosive Limits: LEL: No data. UEL: No data.
Extinguishing Media
Dry chemical and foam. Carbon dioxide and water spray may be ineffective.

Fire Fighting Instructions
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH approved or equivalent and full protective gear.

Flammable Properties and Hazards
Flammable Liquid. Isopropanol Can release vapors that form explosive mixtures at temperatures at or above the flashpoint.

Hazardous Combustion Products
No data available.

SECTION 6. Accidental Release Measures
FLYSECT SUPER-7 REPELLENT SPRAY

Steps To Be Taken In Case Material Is Released Or Spilled
Absorb spill with inert material (e.g. dry sand, clay granules, sawdust, or earth), then place in a chemical waste container.
SECTION 7. Handling and Storage
FLYSECT SUPER-7 REPELLENT SPRAY

Hazard Label Information:
Causes skin irritation. Use chemical splash goggles and face
Mechanical shock.

Precautions To Be Taken in Handling
Do not apply directly to water. Do not apply where runoff is likely to occur. Do not apply to painted or
finished wood surfaces.

Precautions To Be Taken in Storing
No data available.

Other Precautions
Do not get in eyes, on skin or on clothing. Avoid breathing vapors. Causes substantial but temporary eye
injury. Avoid contact with eyes or mucous membranes. Avoid treatment of nursing puppies and foals
under 6 weeks of age unless prescribed by a veterinarian.

SECTION 8. Exposure Controls/Personal Protection
FLYSECT SUPER-7 REPELLENT SPRAY

Respiratory Equipment (Specify Type)
Use only with adequate ventilation.

Eye Protection
Goggles, face shield, safety glasses

Protective Gloves
Rubber or neoprene gloves

Other Protective Clothing
Clothes to prevent skin contact

Engineering Controls (Ventilation etc.)
Use only with adequate ventilation.

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 SUPER-7 REPELLENT SPRAY

### Physical States
- [ ] Gas
- [ X ] Liquid
- [ ] Solid

### Boiling Point
180.00°F

### Melting Point
N.A.

### Specific Gravity (Water = 1)
0.8093

### 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)
1.26

### Solubility in Water
80%

### Percent Volatile
N.A.

### Saturated Vapor Concentration
No data.

### Viscosity
No data.

### pH
6.7

### Appearance and Odor
Yellow liquid with slight alcohol odor and perfume added.

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## SECTION 10. Stability and Reactivity

### Stability
- Unstable [ ]
- Stable [ X ]

### Conditions To Avoid - Instability
None known

### Incompatibility - Materials To Avoid
None known

### Hazardous Decomposition Or Byproducts
In fire conditions, CO, CO2, and NOx gases may be produced. Sulfur oxides, various aldehydes and ketones may also be byproducts of decomposition.

### Hazardous Polymerization
- Will occur [ ]
- Will not occur [ X ]

### Conditions To Avoid - Hazardous Polymerization
Product will not undergo polymerization.

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## SECTION 11. Toxicological Information

### MSDS: FLYSECT SUPER-7 REPELLENT SPRAY

SECTION 12. Ecological Information
FLYSECT SUPER-7 REPELLENT SPRAY

No data available.

SECTION 13. Disposal Considerations
FLYSECT SUPER-7 REPELLENT SPRAY

Waste Disposal Method
Dispose of according to local, State, and Federal regulations.

SECTION 14. Transport Information
FLYSECT SUPER-7 REPELLENT SPRAY

DOT Proper Shipping Name
No data available.

DOT Hazard Label: Quart: ORM-D; Gallon; UN-1993(Isopropanol) Class 3 Flam Liquid
UN/NA Number: No dat

Additional Transport Information
No data available.

SECTION 15. Regulatory Information
FLYSECT SUPER-7 REPELLENT SPRAY

No data available.

SECTION 16. Other Information
FLYSECT SUPER-7 REPELLENT SPRAY

Supercedes Revision 10/05/2005
DOT Information:
Quarts, Consumer Commodity ORM-D
Gallons, UN-1993 (Isopropanol), Class 3 Flammable Liquid, Pkg Group II

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.