### SECTION 1. Product and Company Identification

**FLYS-OFF INSECT REPELLENT FOR DOGS AEROSOL**

**Product Code:** 270-218  
**Product Name:** FLYS-OFF INSECT REPELLENT FOR DOGS AEROSOL

**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

**Chemical Family:** compound

**Additional Identity Information**

- 6-oz. 2506, 9-oz. 2509

### SECTION 2. Composition/Information on Ingredients

**FLYS-OFF INSECT REPELLENT FOR DOGS AEROSOL**

<table>
<thead>
<tr>
<th>Hazardous Components (Chemical Name)</th>
<th>CAS #</th>
<th>Concentration</th>
<th>OSHA PEL</th>
<th>ACGIH TWA</th>
<th>Other Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUTOXY POLYPROPYLENE GLYCOL</td>
<td>9003-13-8</td>
<td>17.589 -18.14 %</td>
<td>No data.</td>
<td>No data.</td>
<td>No data.</td>
</tr>
<tr>
<td>Pyrethrins and Pyrethroids</td>
<td>8003-34-7</td>
<td>0.68 -0.717 %</td>
<td>5mg/m3</td>
<td>5mg/m3</td>
<td>5mg/m3 TWA</td>
</tr>
<tr>
<td>Piperonyl butoxide</td>
<td>51-03-6</td>
<td>0.375 -0.396 %</td>
<td>No data.</td>
<td>No data.</td>
<td>No data.</td>
</tr>
<tr>
<td>Isopropyl alcohol</td>
<td>67-63-0</td>
<td>38.0 %</td>
<td>400 ppm</td>
<td>200 ppm</td>
<td>No data.</td>
</tr>
<tr>
<td>Propane</td>
<td>74-98-6</td>
<td>&gt; 1.0 %</td>
<td>1000 ppm</td>
<td>(2500 ppm)</td>
<td>No data.</td>
</tr>
<tr>
<td>Isobutane (2-Methylpropane)</td>
<td>75-28-5</td>
<td>&gt; 1.0 %</td>
<td>No data.</td>
<td>No data.</td>
<td>No data.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hazardous Components (Chemical Name)</th>
<th>CAS #</th>
<th>OSHA STEL</th>
<th>OSHA CEIL</th>
<th>ACGIH STEL</th>
<th>ACGIH CEIL</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUTOXY POLYPROPYLENE GLYCOL</td>
<td>9003-13-8</td>
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<td>No data.</td>
<td>No data.</td>
<td>No data.</td>
</tr>
<tr>
<td></td>
<td>8003-34-7</td>
<td>No data.</td>
<td>No data.</td>
<td>No data.</td>
<td>No data.</td>
</tr>
<tr>
<td>------------------</td>
<td>-----------</td>
<td>----------</td>
<td>----------</td>
<td>----------</td>
<td>----------</td>
</tr>
<tr>
<td>Pyrethrins and Pyrethroids</td>
<td>8003-34-7</td>
<td>No data.</td>
<td>No data.</td>
<td>No data.</td>
<td>No data.</td>
</tr>
<tr>
<td>Piperonyl butoxide</td>
<td>51-03-6</td>
<td>No data.</td>
<td>No data.</td>
<td>No data.</td>
<td>No data.</td>
</tr>
<tr>
<td>Isopropyl alcohol</td>
<td>67-63-0</td>
<td>No data.</td>
<td>No data.</td>
<td>400 ppm</td>
<td>No data.</td>
</tr>
<tr>
<td>Propane</td>
<td>74-98-6</td>
<td>No data.</td>
<td>No data.</td>
<td>No data.</td>
<td>No data.</td>
</tr>
<tr>
<td>Isobutane (2-Methylpropane)</td>
<td>75-28-5</td>
<td>No data.</td>
<td>No data.</td>
<td>No data.</td>
<td>No data.</td>
</tr>
</tbody>
</table>

**SECTION 3. Hazards Identification**

**FLYS-OFF INSECT REPELLENT FOR DOGS AEROSOL**

**Emergency Overview**
KEEPE OUT OF REACH OF CHILDREN

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

**Potential Health Effects (Acute and Chronic)**
Harmful if swallowed or absorbed through skin. Avoid breathing vapors or spray mist. Avoid contact with skin or eyes.

**Recommended Exposure Limits**
NE

**LD 50 / LC 50**
1.29 g/kg Oral Rat Pyrethrins

**Signs and Symptoms Of Exposure**
Eye irritant. Mild to moderate dermal irritation potential for sensitive persons.

**Medical Conditions Generally Aggravated By Exposure**
Unknown.

**SECTION 4. First Aid Measures**

**FLYS-OFF INSECT REPELLENT FOR DOGS AEROSOL**

**Emergency and First Aid Procedures**
IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice. IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice. IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

**SECTION 5. Fire Fighting Measures**

**FLYS-OFF INSECT REPELLENT FOR DOGS AEROSOL**

**Flash Pt:** 60.00 F  **Method Used:** Unknown

**Explosive Limits:**
LEL: NT  UEL: NT
Fire Fighting Instructions
Enclosed containers may explode if overheated. Sprinkle heated containers with a fine mist of water to cool them. Fight pesticide fires from upwind. Equipment contaminated by smoke from pesticide fires may require decontamination before reuse.

Flammable Properties and Hazards
EXTREMELY FLAMMABLE. Do not use or store near fire, sparks, or heated surfaces. Turn off pilot lights in gas appliances and unplug or turn off electrical equipment in the use area. After airing out phase is completed, relight pilot lights and reconnect electrical current. Do not smoke in the use area. Contents under pressure. Do not puncture or incinerate container. Exposure to temperatures above 130°F may cause bursting. Incineration of container may cause explosion.

Hazardous Combustion Products
None known

Extinguishing Media
CO2, water

Unsuitable Extinguishing Media
None known

SECTION 6. Accidental Release Measures
FLYS-OFF INSECT REPELLENT FOR DOGS AEROSOL

Steps To Be Taken In Case Material Is Released Or Spilled
Soak with absorbent material such as sand, sawdust, earth, etc., and shovel into bags or containers. Toxic to fish, avoid contamination of ponds, lakes and streams.

SECTION 7. Handling and Storage
FLYS-OFF INSECT REPELLENT FOR DOGS AEROSOL

Hazard Label Information:
Store away from incompatible material Store at correct temperature Store away from acids
Glove permeation data does not exist

Precautions To Be Taken in Handling
Destroy empty containers, wrap and dispose of in trash. Avoid overheating of enclosed containers. Do not incinerate or puncture.

Precautions To Be Taken in Storing
Store in a cool, dry place.

Other Precautions
KEEP OUT OF REACH OF CHILDREN. This product is toxic to fish. Do not contaminate water by cleaning of equipment or disposal of waste. Contents under pressure.

SECTION 8. Exposure Controls/Personal Protection
FLYS-OFF INSECT REPELLENT FOR DOGS AEROSOL

Protective Equipment Summary - Hazard Label Information:
Neoprene gloves Goggles and face shield
Respiratory Equipment (Specify Type)
OSHA Approved
Eye Protection
Goggles
Protective Gloves
Rubber
Other Protective Clothing
None known
Engineering Controls (Ventilation etc.)
Local Exhaust: sufficient

Work/Hygienic/Maintenance Practices
Follow label instructions and precautionary statements. Wash hands before smoking, eating or using restroom.

SECTION 9. Physical and Chemical Properties
FLYS-OFF INSECT REPELLENT FOR DOGS AEROSOL

<table>
<thead>
<tr>
<th>Physical States:</th>
<th>[ ] Gas</th>
<th>[X] Liquid</th>
<th>[ ] Solid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melting Point:</td>
<td>N.A.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Boiling Point:</td>
<td>N.A.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Autoignition Pt:</td>
<td>No data.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flash Pt:</td>
<td>60.00 F</td>
<td>Method Used: Unknown</td>
<td></td>
</tr>
<tr>
<td>Explosive Limits:</td>
<td>LEL: NT</td>
<td>UEL: NT</td>
<td></td>
</tr>
<tr>
<td>Specific Gravity (Water = 1):</td>
<td>0.88 at 25.0 C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bulk density:</td>
<td>No data.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vapor Pressure (vs. Air or mm Hg):</td>
<td>N.A.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vapor Density (vs. Air = 1):</td>
<td>7.3 at 25.0 C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Evaporation Rate (vs Butyl Acetate=1):</td>
<td>N.A.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Solubility in Water:</td>
<td>No data.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Solubility Notes</td>
<td>Insoluble</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Percent Volatile:</td>
<td>N.A.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Heat Value:</td>
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<td></td>
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</tr>
<tr>
<td>Particle Size:</td>
<td>No data.</td>
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<td></td>
</tr>
<tr>
<td>Corrosion Rate:</td>
<td>No data.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>pH:</td>
<td>5.2</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Appearance and Odor
Yellow liquid with alcohol odor.
SECTION 10. Stability and Reactivity
FLYS-OFF INSECT REPELLENT FOR DOGS AEROSOL

Stability:
Unstable [ ]  Stable [ X ]

Conditions To Avoid - Instability
Heat and flame.

Incompatibility - Materials To Avoid
Strong oxidizing agents, cadmium, copper, lead, zinc.

Hazardous Decomposition Or Byproducts
Unknown.

Hazardous Polymerization:  Will occur [ ]  Will not occur [ X ]

Conditions To Avoid - Hazardous Polymerization
Will not occur

SECTION 11. Toxicological Information
FLYS-OFF INSECT REPELLENT FOR DOGS AEROSOL

No data available

Chronic Toxicological Effects
No data 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>BUTOXY POLYPROPYLENE GLYCOL</td>
<td>9003-13-8</td>
<td>n.a.</td>
<td>n.a.</td>
<td>n.a.</td>
<td>n.a.</td>
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<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>
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<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>
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<td>Isopropyl alcohol</td>
<td>67-63-0</td>
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<td>n.a.</td>
<td>n.a.</td>
<td>n.a.</td>
</tr>
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</table>

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

SECTION 12. Ecological Information
FLYS-OFF INSECT REPELLENT FOR DOGS AEROSOL

This product is extremely toxic to fish. Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters.

SECTION 13. Disposal Considerations
FLYS-OFF INSECT REPELLENT FOR DOGS AEROSOL

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

SECTION 14. Transport Information
FLYS-OFF INSECT REPELLENT FOR DOGS AEROSOL

LAND TRANSPORT (US DOT)
DOT Proper Shipping Name  No data available.
DOT Hazard Label:         LEVEL 2, CONSUMER COMMODITY ORM-D

SECTION 15. Regulatory Information
FLYS-OFF INSECT REPELLENT FOR DOGS AEROSOL

No data available.

SECTION 16. Other Information
FLYS-OFF INSECT REPELLENT FOR DOGS AEROSOL

Company Policy or Disclaimer
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