

MATERIAL SAFETY DATA SHEET

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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

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

Pyrethrins and Pyrethroids	8003-34-7	No data.	No data.	No data.	No data.
Piperonyl butoxide	51-03-6	No data.	No data.	No data.	No data.
Isopropyl alcohol	67-63-0	No data.	No data.	400 ppm	No data.
Propane	74-98-6	No data.	No data.	No data.	No data.
Isobutane (2-Methylpropane)	75-28-5	No data.	No data.	No data.	No data.

SECTION 3. Hazards Identification
FLYS-OFF INSECT REPELLENT FOR DOGS AEROSOL

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)

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

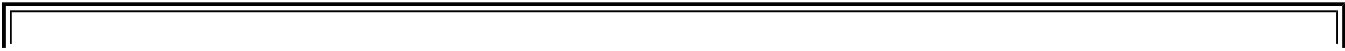
Follow label instructions and precautionary statements. Wash hands before smoking, eating or using restroom.

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

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

Appearance and Odor

Yellow liquid with alcohol odor.



SECTION 10. Stability and Reactivity
FLYS-OFF INSECT REPELLENT FOR DOGS AEROSOL

Stability: Unstable [] Stable []

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 []

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.

Hazardous Components (Chemical Name)	CAS #	NTP	IARC	ACGIH	OSHA
BUTOXY POLYPROPYLENE GLYCOL	9003-13-8	n.a.	n.a.	n.a.	n.a.
Pyrethrins and Pyrethroids	8003-34-7	n.a.	n.a.	A4	n.a.
Piperonyl butoxide	51-03-6	n.a.	n.a.	n.a.	n.a.
Isopropyl alcohol	67-63-0	n.a.	n.a.	A4	n.a.
Propane	74-98-6	n.a.	n.a.	n.a.	n.a.
Isobutane (2-Methylpropane)	75-28-5	n.a.	n.a.	n.a.	n.a.

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

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.
