

[Return to MSDS List](#) , First MSDS in list. , [Next MSDS](#)

M A T E R I A L S A F E T Y D A T A S H E E T

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

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

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

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 of 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

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:	<input type="checkbox"/> Gas	<input checked="" type="checkbox"/> Liquid	<input type="checkbox"/> 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	N.A.		

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 []**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 []**Conditions To Avoid - Hazardous Polymerization**

Product will not undergo polymerization.

SECTION 11. Toxicological Information FLYSECT WATER-BASED REPELLENT SPRAY
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Not available

Carcinogenicity/Other Information

No data available.

Hazardous Components (Chemical Name)	CAS #	NTP	IARC	ACGIH	OSHA
Permethrin	52645-53-1	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.

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.