

MATERIAL SAFETY DATA SHEET

Generated 07/30/2009, Revision 07/23/2009, Supercedes Revision 05/31/2007, Date Created 12/14/1995

SECTION 1. Product and Company Identification FLYSECT REPELLENT SPRAY

Product Code: 68688-30-270
Product Name: FLYSECT REPELLENT SPRAY

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: Pyrethroid, Benzodioxole, Dicarboximide

Additional Identity Information

11001 32-oz

SECTION 2. Composition/Information on Ingredients FLYSECT REPELLENT SPRAY

Hazardous Components (Chemical Name)	CAS #	Concentration	OSHA PEL	ACGIH TLV
Isopropyl alcohol	67-63-0	1.0 -97.0 %	980mg/m3	No data.
Pyrethrins and Pyrethroids	8003-34-7	0.1 %	5 mg/m3	No data.
Piperonyl butoxide	51-03-6	1.0 %	No data.	No data.
N-OCTYL BICYCLOHEPTENE DICARBOXIMIDE	113-48-4	0.5 %	No data.	No data.
Dipropyl isocinchomeronate	136-45-8	0.5 %	No data.	No data.

SECTION 3. Hazards Identification FLYSECT 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)

Causes skin and eye irritation. Do not get in eyes, on skin or on clothing. Harmful if swallowed or

inhaled. Keep out of eyes. Avoid contamination of food. Wash hands with soap and water after using. ANIMALS: Avoid treatment of foals, nursing kittens and puppies under 6 weeks old. If treatment is necessary, spray on tips of fingers and rub coat.

Recommended Exposure Limits

Pyrethrins = 5 mg/m³

Signs and Symptoms Of Exposure

Causes irritation including irritation to the nose, throat and respiratory tract. Also causes a burning sensation of the mouth and throat, gastric up-set, vomiting may occur, typical alcohol intoxication.

SECTION 4. First Aid Measures
FLYSECT REPELLENT SPRAY

Emergency and First Aid Procedures

IF IN EYES: Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention. If on skin, wash with plenty of soap and water. Get medical attention if irritation persists.

IF SWALLOWED: Drink promptly a large quantity of milk, egg whites, gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol.

IF INHALED: Remove victim to fresh air. Get medical attention.

Note to Physician

Treat symptomatically, observe for allergic reaction. Irregular heartbeat may occur; use of adrenaline is not advised. Gastric lavage only if large quantities have been ingested.

SECTION 5. Fire Fighting Measures
FLYSECT REPELLENT SPRAY

Flash Pt: 66.00 F Method Used: TAG Closed Cup

Explosive Limits: LEL: 2% UEL: N/A

Autoignition Pt: N.A.

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

None known

Hazardous Combustion Products

None known

Extinguishing Media

Dry chemical and foam. Carbon dioxide and water spray may be ineffective.

Unsuitable Extinguishing Media

None known

SECTION 6. Accidental Release Measures

FLYSECT REPELLENT SPRAY

Steps To Be Taken In Case Material Is Released Or Spilled

Avoid runoff into storm sewers and ditches which lead to waterways. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

SECTION 7. Handling and Storage FLYSECT REPELLENT SPRAY

Hazard Label Information:

Use with adequate ventilation. Lab coat and apron Causes skin irritation.

Precautions To Be Taken in Handling

Do not apply to painted or finished wood surfaces.

Precautions To Be Taken in Storing

Do not use or store near heat or open flame.

Other Precautions

Causes substantial but temporary eye injury. May cause allergic reactions to some individuals. Avoid contact with eyes or mucous membranes.

SECTION 8. Exposure Controls/Personal Protection FLYSECT REPELLENT SPRAY

Respiratory Equipment (Specify Type)

If excessive exposure is anticipated: A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

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 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 REPELLENT SPRAY

Physical States: Gas Liquid Solid

Melting Point: N.A.
Boiling Point: 82.00 C
Autoignition Pt: N.A.
Flash Pt: 66.00 F Method Used: TAG Closed Cup
Explosive Limits: LEL: 2% UEL: N/A
Specific Gravity (Water = 1): .804
Bulk density: No data.
Vapor Pressure (vs. Air or mm Hg): >32
Vapor Density (vs. Air = 1): N.A.
Evaporation Rate (vs Butyl Acetate=1): 2.06
Solubility in Water: 98%
Percent Volatile: 92.0 % by volume.
Heat Value: No data.
Particle Size: No data.
Corrosion Rate: No data.
pH: Not known

Appearance and Odor

Yellow color liquid with Isopropyl alcohol odor.

SECTION 10. Stability and Reactivity
FLYSECT REPELLENT SPRAY

Stability: Unstable [] Stable [X]

Conditions To Avoid - Instability

None known

Incompatibility - Materials To Avoid

None known

Hazardous Decomposition Or Byproducts

Carbon dioxide, nitrogen oxides, sulfuric oxides and various aldehydes and ketones.

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

Conditions To Avoid - Hazardous Polymerization

Product will not undergo polymerization.

SECTION 11. Toxicological Information
FLYSECT REPELLENT SPRAY

No data available

Chronic Toxicological Effects

No data available

Carcinogenicity/Other Information

Oral LD50 (rat): >5,000 mg/kg (highest dose level tested)

Dermal LD50 (rabbit): >2,000 mg/kg (highest dose level tested)

Inhalation LD50 (rat): >5.63 mg/L (highest dose level tested)

Tox Information:

Skin irritation: Mild irritant

Eye irritation: Mild irritant due to isopropyl vapors.

Sensitizer: Possible sensitizer in certain individuals

Hazardous Components (Chemical Name)	CAS #	NTP	IARC	ACGIH	OSHA
Isopropyl alcohol	67-63-0	n.a.	n.a.	A4	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.
N-OCTYL BICYCLOHEPTENE DICARBOXIMIDE	113-48-4	n.a.	n.a.	n.a.	n.a.
Dipropyl isocinchomeronate	136-45-8	n.a.	n.a.	n.a.	n.a.

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

SECTION 12. Ecological Information FLYSECT REPELLENT SPRAY

This product is toxic to fish. Keep out of lakes, streams, ponds, tidal marshes and estuaries. Do not apply where runoff is likely to occur.

SECTION 13. Disposal Considerations FLYSECT REPELLENT SPRAY

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. Dispose of according to local, State, and Federal regulations.

SECTION 14. Transport Information FLYSECT REPELLENT SPRAY

LAND TRANSPORT (US DOT)

DOT Proper Shipping Name No data available.

DOT Hazard Label: Consumer Commodity, ORM-D

Additional Transport Information

Freight Classification: Insecticides other than poison NMFC 102120, Cl. 60

Reportable Quantity: Pyrethrins = 1 lb. or 100 gallons of product.

RCRA Regulated due to ignitability.

DOT49CFR: Ethanol solutions, 3 UN1170 PG II

SECTION 15. Regulatory Information


FLYSECT REPELLENT SPRAY

No data available.

SECTION 16. Other Information
FLYSECT 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.

 <p>Flammability 4 Health 2 Instability 0 Special Hazard</p>	<p>Minimal: 0 Slight: 1 Moderate: 2 Serious: 3 Extreme: 4</p>	<p>Generated 07/30/2009 Revision 07/23/2009 Supersedes Revision 05/31/2007 Date Created 12/14/1995</p>
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