

MATERIAL SAFETY DATA SHEET
EQUI-SPOT SPOT-ON FLY CONTROL FOR
HORSES

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Supercedes Revision: 03/25/2011

1. Product and Company Identification

Product Code: 270-279 E
Product Name: EQUI-SPOT SPOT-ON FLY CONTROL FOR HORSES
Manufacturer Information
Company Name: Distributed by:
Farnam Companies, Inc.
301 West Osborn Road
Phoenix, AZ
Emergency Contact: Animal or human exposure (800)234-2269
Alternate Emergency Contact: CHEMTREC (Emergency spills) (800)424-9300
Information: Farnam Companies (800)234-2269

Synonyms

FARNAM TICK HALT! SPOT-ON FOR DOGS

Additional Identity Information

3002606 (3) 10ML
100502597 12X (3) 10ML
100506084 6 X (3) 10ML

2. Composition/Information on Ingredients

Hazardous Components (Chemical Name)	CAS #	Concentration	OSHA PEL	ACGIH TLV
1. Permethrin	52645-53-1	45.0 %	No data.	No data.

3. Hazards Identification

Emergency Overview

KEEP OUT OF REACH OF CHILDREN

Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing.

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

Potential Health Effects (Acute and Chronic)

None known

LD 50 / LC 50

See notes, Section 9

Signs and Symptoms Of Exposure

May produce skin sensations (feelings of numbing and tingling) in certain individuals. Moderate eye irritant (tearing and blurred vision). May cause drying and irritation of skin. These sensations normally subside and disappear within a few hours. If ingested, the product may cause diarrhea, salivation, bloody nose, increased urination, decreased activity, tremors and intermittent convulsions. Excessive inhalation causes coughing, headache, dizziness, nausea, as well as nose, throat, and respiratory tract irritation.

Medical Conditions Generally Aggravated By Exposure

None known

4. First Aid Measures

Emergency and First Aid Procedures

IF SWALLOWED: Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.

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.

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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.

Note to Physician

Contains petroleum distillate — vomiting may cause aspiration pneumonia.

5. Fire Fighting Measures

Flash Pt: 130.00 F Method Used: Closed Cup
Explosive Limits: LEL: No data. UEL: No data.
Autoignition Pt: N.A.

Fire Fighting Instructions

Fight fire from upwind. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH approved or equivalent and full protective gear. Do not use water. Handle as an oil fire, class B fire procedures. Remove unignited product from fire area if possible. Dike fire control waters to prevent their entry into sewers or other water courses.

Flammable Properties and Hazards

Combustible Liquid. Keep away from heat, sparks, and open flame. Guard against spontaneous combustion or improperly discarded oily rags. Overheated containers are an explosion hazard. Vapors which form inside empty containers may also present an explosion hazard during a fire. Equipment used to fight pesticide fires may require decontamination before reuse.

Hazardous Combustion Products

No data available.

Extinguishing Media

Foam, carbon dioxide, dry chemical, or halogenated agents.

Unsuitable Extinguishing Media

No data available.

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled

Small Spills: Absorb with inert absorbent. Wash contaminated area with detergent and water solution. Discard in trash.

Large Spills (Bulk product only): Wear OSHA approved clean protective clothing, rubber gloves, and goggles. If vapor concentration becomes high, use self contained air mask (NIOSH approved). No smoking. Eliminate any source of ignition. Minimize inhalation. Recover free liquid by adding absorbent (earth, sawdust, kitty litter, etc.) to spill area. Shovel waste into a metal drum. Avoid contact with skin. Keep product out of sewers and water courses by diking or impounding. Advise authorities if product has entered or may enter sewers, watercourses or extensive land areas. CAUTION: SLIPPERY ON FLOOR. Following clean up of spilled liquid, wash contaminated area with detergent and water solution. Collect wash water in containers for disposal.

7. Handling and Storage

Hazard Label Information:

Keep from freezing.

Precautions To Be Taken in Handling

No data available.

Precautions To Be Taken in Storing

COMBUSTIBLE. DO NOT USE OR STORE NEAR HEAT OR OPEN FLAMES

Other Precautions

Harmful if swallowed or absorbed through the skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Wear goggles, face shield or safety glasses. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

8. Exposure Controls/Personal Protection

Protective Equipment Summary - Hazard Label Information:

None needed with normal use.

Respiratory Equipment (Specify Type)

For fires, use self-contained breathing apparatus only. For moderate vapor or liquid mist exposure, use half mask or full face piece respirators which have NIOSH/MSHA approval for pesticides.

Eye Protection

Where potential for splashing exists, or contact with spray or mist is likely, protective goggles and face shield should be worn. A source of clean water for flushing should be nearby (i.e., emergency eye wash and shower stations).

Protective Gloves

Neoprene gloves for extended exposure, as in manufacturing or other large quantity work.

Other Protective Clothing

Long sleeved coveralls or uniform, cap, rubber boots, rubber or plastic apron may be needed during formulation, packaging, or other handling of large amounts or product.

Engineering Controls (Ventilation etc.)

Local exhaust should be sufficient. If user operations generate fumes or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Work/Hygienic/Maintenance Practices

Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

9. Physical and Chemical Properties

Physical States:	[] Gas	[X] Liquid	[] Solid
Melting Point:	N.A.		
Boiling Point:	N.A.		
Autoignition Pt:	N.A.		
Flash Pt:	130.00 F	Method Used:	Closed Cup
Specific Gravity (Water = 1):	0.984		
Vapor Pressure (vs. Air or mm Hg):	N.A.		
Vapor Density (vs. Air = 1):	N.A.		
Evaporation Rate:	N.A.		
Solubility in Water:	Negligible		
Percent Volatile:	N.A.		

Appearance and Odor

Dark amber solution with citrus scent.

10. Stability and Reactivity

Stability: Unstable [] Stable [X]

Conditions To Avoid - Instability

Do not store near heat or open flame. Avoid excessive heat. Avoid polymerization catalyst, such as aluminum chloride or acidic clays.

Incompatibility - Materials To Avoid

Avoid contamination with high concentrations of alkali at elevated temperatures. Avoid strong oxidizing agents and acidic agents.

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Hazardous Decomposition Or Byproducts

Burning can produce carbon monoxide and/or carbon dioxide. Chlorine and hydrogen chloride may be formed.
Smoke can be acrid and fume irritating.

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

Conditions To Avoid - Hazardous Polymerization

Product will not undergo polymerization.

11. Toxicological Information

See Section 16

Chronic Toxicological Effects

No data available

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

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

12. Ecological Information

This product is extremely toxic to fish. Do not add directly to water. Do not contaminate water when disposing of product or packaging.

13. Disposal Considerations

Waste Disposal Method

Dispose of all pesticide waste according to local, State, and Federal regulations. Do not reuse empty container. Wrap empty container and put in trash. If empty: Do not reuse this container. Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

14. Transport Information

LAND TRANSPORT (US DOT)

DOT Proper Shipping Name Not applicable via highway or rail within the U.S.A.
Consumer Commodity ORM-D-AIR if flown within the U.S.A.

AIR TRANSPORT (ICAO/IATA)

ICAO/IATA Shipping Name ORM-D Consumer Commodity

Additional Transport Information

International Air Description: Consumer Commodity Class 9, ID 8000

15. Regulatory Information

No data available.

16. Other Information

The following information is offered as an aid only. This data is accurate for a similar product which has the additional active ingredient Pyriproxifen:

- Acute Oral LD 50 = 2,614 mg/kg male rats
- Acute Oral LD 50 = 1,660 mg/kg female rats
- Acute Dermal LD 50 > 5,050 mg/kg rabbits
- Primary Skin Irritation = 0.0
- Not a dermal irritant or sensitizer.
- Inhalation LC 50 >> 2.87 mg/liter (4-HRS)
- Moderate eye irritant

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.