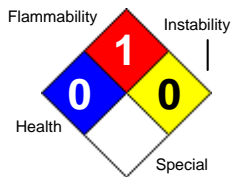


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MATERIAL SAFETY DATA SHEET
ENDURE SWEAT-RESISTANT FLY SPRAY
FOR HORSES



Printed: 01/26/2011
Revision: 01/25/2011
Supersedes Revision: 04/20/2009
Date Created: 11/04/1993

1. Product and Company Identification

Product Code: 270-251-E
Product Name: ENDURE SWEAT-RESISTANT FLY SPRAY FOR HORSES
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
3002431 1-qt
3002221 1-gal

2. Composition/Information on Ingredients

Hazardous Components (Chemical Name)	CAS #	Concentration	OSHA PEL	ACGIH TLV
1. Cypermethrin	52315-07-8	0.15 %	No data.	No data.
2. Pyrethrins	121-21-1	0.2 %	No data.	No data.
3. Piperonyl butoxide	51-03-6	1.6 %	No data.	No data.
4. BUTOXY POLYPROPYLENE GLYCOL	9003-13-8	5.0 %	No data.	No data.

3. Hazards Identification

Emergency Overview

KEEP OUT OF REACH OF CHILDREN

Harmful if swallowed. Avoid contact with eyes, skin or clothing. Avoid breathing spray mist. Avoid contamination of food. May be irritating to eyes and mucous membranes. Avoid breathing spray or mist.

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

Potential Health Effects (Acute and Chronic)

May be irritating to eyes and mucous membranes. Avoid breathing spray or mist.

Recommended Exposure Limits

NE

LD 50 / LC 50

NE

Signs and Symptoms Of Exposure

No data available

Medical Conditions Generally Aggravated By Exposure

No data available

4. First Aid Measures

Emergency and First Aid Procedures

IF SWALLOWED: Contact a physician or Poison Control Center immediately. 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.

IF INHALED: Remove patient to fresh air. If person is not breathing, call 911, or an ambulance, then give

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artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advise.

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 five minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advise.

IF ON SKIN: Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advise. Remove contaminated clothing and wash skin with soap and water. Take off contaminated clothing and launder contaminated clothing thoroughly before reuse.

5. Fire Fighting Measures

Flash Pt: N.A.
Explosive Limits: LEL: NE UEL: NE

Fire Fighting Instructions

Do not contaminate water by cleaning of equipment. Fight pesticide fires from upwind. Use SCBA. Dike area to prevent run off into sewers and waterways.

Flammable Properties and Hazards

Water spray may increase area of contamination. Equipment and materials used to fight pesticide fires may require decontamination before reuse.

Hazardous Combustion Products

None known

Extinguishing Media

CO₂, Foam.

Unsuitable Extinguishing Media

None known

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled

Soak spill in dry carrier such as sawdust and shovel into disposal containers. Rinse area with water and detergent, absorbing detergent into dry carrier and shoveling into disposal containers.

7. Handling and Storage

Precautions To Be Taken in Handling

Avoid contact with eyes or mucous membranes. Avoid contact with skin or clothing. Wash hands with soap and water after use.

Precautions To Be Taken in Storing

Store in cool, dry place inaccessible to children. Store away from incompatible material.

Other Precautions

KEEP OUT OF REACH OF CHILDREN. Keep out of water sources.

8. Exposure Controls/Personal Protection

Respiratory Equipment (Specify Type)

If high concentrations - self contained breathing apparatus (NIOSH/MSHA approved respirator).

Eye Protection

Goggles or face shield

Protective Gloves

Neoprene gloves

Engineering Controls (Ventilation etc.)

Local exhaust is sufficient.

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Work/Hygienic/Maintenance Practices

Wash hands before eating, smoking or using restroom.

9. Physical and Chemical Properties

Physical States: [] Gas [X] Liquid [] Solid
Melting Point: NA
Boiling Point: NA
Autoignition Pt: No data.
Flash Pt: N.A.
Explosive Limits: LEL: NE UEL: NE
Specific Gravity (Water = 1): 0.998 at 27.0 C
Density: NE
Bulk density: NA
Vapor Pressure (vs. Air or mm Hg): N.A.
Vapor Density (vs. Air = 1): N.A.
Evaporation Rate (vs Butyl Acetate=1): N.A.
Solubility in Water: No data.
Solubility Notes
Miscible
Percent Volatile: N.A.
Saturated Vapor Concentration: NE
Viscosity: NE
Heat Value: NA
Particle Size: NA
Corrosion Rate: NE
pH: 5.8

Appearance and Odor

Milky white emulsion liquid with slight odor.

10. Stability and Reactivity

Stability: Unstable [] Stable [X]
Conditions To Avoid - Instability
Heat, sunlight.
Incompatibility - Materials To Avoid
Oxidizers.
Hazardous Decomposition Or Byproducts
HCl, CO, CO2.
Hazardous Polymerization: Will occur [] Will not occur [X]

Conditions To Avoid - Hazardous Polymerization

Will not occur

11. Toxicological Information

No data available

Chronic Toxicological Effects

No data available

Carcinogenicity/Other Information

NE

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Hazardous Components (Chemical Name)	CAS #	NTP	IARC	ACGIH	OSHA
1. Cypermethrin	52315-07-8	n.a.	n.a.	n.a.	n.a.
2. Pyrethrins	121-21-1	n.a.	n.a.	n.a.	n.a.
3. Piperonyl butoxide	51-03-6	n.a.	n.a.	n.a.	n.a.
4. BUTOXY POLYPROPYLENE GLYCOL	9003-13-8	n.a.	n.a.	n.a.	n.a.

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

12. Ecological Information

Toxic to fish. Do not apply to any body of water. Do not contaminate water when disposing of equipment washwaters.

13. Disposal Considerations

Waste Disposal Method

Dispose of according for Federal, State or local regulations. This product is toxic to fish. Keep out of lakes, streams and ponds. Do not contaminate water by cleaning of equipment or disposal of wastes.

14. Transport Information

LAND TRANSPORT (US DOT)

DOT Proper Shipping Name Not regulated as hazardous by U.S. DOT.
DOT Hazard Label: None

15. Regulatory Information

No data available.

16. Other Information

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.