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

<table>
<thead>
<tr>
<th>Hazardous Components (Chemical Name)</th>
<th>CAS #</th>
<th>Concentration</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cypermethrin</td>
<td>52315-07-8</td>
<td>0.15 %</td>
<td>No data.</td>
<td>No data.</td>
</tr>
<tr>
<td>Pyrethrins</td>
<td>121-21-1</td>
<td>0.2 %</td>
<td>No data.</td>
<td>No data.</td>
</tr>
<tr>
<td>Piperonyl butoxide</td>
<td>51-03-6</td>
<td>1.6 %</td>
<td>No data.</td>
<td>No data.</td>
</tr>
<tr>
<td>BUTOXY POLYPROPYLENE GLYCOL</td>
<td>9003-13-8</td>
<td>5.0 %</td>
<td>No data.</td>
<td>No data.</td>
</tr>
</tbody>
</table>

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
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 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 of 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.
Work/Hygiene/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
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
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.