SECTION 1. Product and Company Identification
Adams Flea & Tick Shampoo

Product Code: 37425-4, Reference #: 6635
Product Name: Adams Flea & Tick Shampoo

Manufacturer Name and Address:
Distributed by: CHEMTREC
Farnam Companies, Inc. District of Columbia
301 West Osborn Road Farnam Companies, In
Phoenix, AZ.

SECTION 2. Composition/Information on Ingredients
Adams Flea & Tick Shampoo

<table>
<thead>
<tr>
<th>Hazardous Components (Chemical Name)</th>
<th>CAS #</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Piperonyl butoxide {2-(2-butoxyethoxy)ethyl 6-propylpiperonyl ether}</td>
<td>51-03-6</td>
<td>1.5 %</td>
</tr>
<tr>
<td>2. N-OCTYL BICYCLOHEPTENE DICARBOXIMIDE</td>
<td>113-48-4</td>
<td>0.5 %</td>
</tr>
<tr>
<td>3. Pyrethrins and Pyrethroids {Cinerin I or II; Pyrethrum}</td>
<td>8003-34-7</td>
<td>0.15 %</td>
</tr>
</tbody>
</table>

OSHA PEL       ACGIH TLV
1. No data.    No data.
2. No data.    No data.
3. No data.    No data.

SECTION 3. Hazards Identification
Adams Flea & Tick Shampoo
Emergency Overview
No data available.

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

Potential Health Effects (Acute and Chronic)
No data available.

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

Carcinogenicity/Other Information
No data available.

Recommended Exposure Limits
5 mg/m3 ACGIH TWA

LD 50 / LC 50
Dermal LD50 > 2000 MG/KG in rabbits

Signs and Symptoms Of Exposure
SKIN CONTACT: Irritation can occur following direct contact with this material. Symptoms such as itching, redness or swelling may be immediate or delayed.
EYE CONTACT: Irritation can occur following direct contact with this material. Symptoms might include redness, swelling, blurred vision, or pain.
INHALATION: Inhalation is not expected during normal use of product. Mist or vapor may be toxic. Symptoms after over exposure might include irritation, itching sensation, asthma-like breathing, coughing, nausea, vomiting, diarrhea, headache, dizziness, salivation, sweating or fatigue, incoordination and tremors. Depressant effects similar to those produced by alcohol may also occur following over exposure.
INGESTION: Ingestion is not expected during normal use of product. However, ingestion should be avoided. Symptoms after over exposure might include irritation, coughing, nausea, vomiting, diarrhea, headache, dizziness, salivation, sweating or fatigue.

Medical Conditions Generally Aggravated By Exposure
Asthmatics

Additional Hazards Information
ECOLOGICAL INFORMATION
ACUTE AQUATIC EFFECTS: This mixture is toxic to fish. Do not add directly to water. Do not wash animal where runoff is likely to occur.

SECTION 4. First Aid Measures
Adams Flea & Tick Shampoo

Emergency and First Aid Procedures
SKIN CONTACT: Remove contaminated clothing and flush exposed area with water thoroughly for 15 minutes. Obtain medical assistance if irritation occurs, which may be delayed.
EYE CONTACT: Flush eyes continuously with water for at least 15 minutes and obtain immediate
medical attention. NOTE TO PHYSICIAN: Consider further flushing of eyes with large amounts of water or saline.

INHALATION: General procedures for inhalation overexposures are as follows. Move exposed subject to fresh air and seek medical assistance if subject experiences difficulty breathing. IF BREATHING HAS STOPPED START BASIC LIFE SUPPORT AND SEEK IMMEDIATE MEDICAL ASSISTANCE.

INGESTION: In the event of ingestion of this material, seek immediate medical attention. Do not induce vomiting. Treat subject symptomatically and supportively.

NOTE TO PHYSICIAN: This material contains pyrethrin insecticide. In cases of over exposure, consult a poison control center for additional information concerning poisoning.

ANTIDOTES: No specific antidotes known.

Note to Physician
No data available.

SECTION 5. Fire Fighting Measures
Adams Flea & Tick Shampoo

Flash Pt: No data. Method Used: No data.
Explosive Limits: LEL: No data. UEL: No data.
Extinguishing Media
Non-Flammable

Fire Fighting Instructions
Toxic or corrosive gases are expected in fires involving this mixture. Self-contained breathing apparatus and full protective equipment are recommended for firefighters. Move containers from fire area if possible without increased personal risk. Dike area if possible to contain water for later disposal.

Flammable Properties and Hazards
Product is non-flammable

Hazardous Combustion Products
No data available.

Additional Fire Fighting Information
FIRE CONTROL: This material is not expected to support combustion. Toxic or corrosive gases are expected during a fire or heating of this material.

SECTION 6. Accidental Release Measures
Adams Flea & Tick Shampoo

Steps To Be Taken In Case Material Is Released Or Spilled
SPILLS: No special procedures required for small spills.
For large spills, isolate the spill area, restrict access and post the area for hazards present (skin irritant), (eye irritant) and necessary precautions. Wear appropriate protective equipment to avoid skin contact
and eye contact. Mix with sand or absorbent material and scoop or shovel into a suitable, properly labeled container for recovery or disposal.

DECONTAMINATION PROCEDURES: None

SECTION 7. Handling and Storage
Adams Flea & Tick Shampoo

Hazard Label Information:
Store away from incompatible material

Precautions To Be Taken in Handling
HANDLING: Use with adequate ventilation.
STORAGE: Store in a cool, dry place away from heat and other containers of food or feed. Do not transfer to other containers.

Precautions To Be Taken in Storing
No data available.

Other Precautions
No data available.

SECTION 8. Exposure Controls/Personal Protection
Adams Flea & Tick Shampoo

Respiratory Equipment (Specify Type)
Respirators are not required for the normal use of this material.

Eye Protection
Goggles are recommended if eye contact is possible.

Protective Gloves
Avoid skin contact or wear impervious gloves when handling this material.

Other Protective Clothing
Wear clothing with long sleeves to avoid skin contact.

Engineering Controls (Ventilation etc.)
No data available.

Work/Hygienic/Maintenance Practices
Wash hands and arms thoroughly after handling this material. Clean up spills immediately.

Additional Exposure Control Information
ORAL TOXICITY: The estimated oral LD50 > 1500 mg/kg in rats.

SECTION 9. Physical and Chemical Properties
Adams Flea & Tick Shampoo
Physical States: [ ] Gas, [ X ] Liquid, [ ] Solid
Boiling Point: 92.00 C to 96.00 C
Melting Point: -5.00 C to 4.00 C
Specific Gravity (Water = 1): 1.022 at 25.0 C
Density: No data.
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: N.A.
Percent Volatile: N.A.
Saturated Vapor Concentration: No data.
Viscosity: No data.
pH: 7-7.5

Appearance and Odor
Clear blue-green liquid with a perfume odor.

SECTION 10. Stability and Reactivity
Adams Flea & Tick Shampoo

Stability: Unstable [ ] Stable [ X ]
Conditions To Avoid - Instability
Avoid direct sunlight, conditions that might generate heat and temperatures below 0 degrees C.

Incompatibility - Materials To Avoid
Strong oxidizing agents and strong alkalis.

Hazardous Decomposition Or Byproducts
No data available.

Hazardous Polymerization: Will occur [ ] Will not occur [ X ]
Conditions To Avoid - Hazardous Polymerization
No data available.

SECTION 11. Toxicological Information
Adams Flea & Tick Shampoo

No data available.

SECTION 12. Ecological Information
Adams Flea & Tick Shampoo
SECTION 13. Disposal Considerations
Adams Flea & Tick Shampoo

Waste Disposal Method
Do not reuse empty container. Rinse thoroughly, wrap container in several layers of newspaper, and discard in trash. Observe all local and national regulations when disposing of this mixture.

SECTION 14. Transport Information
Adams Flea & Tick Shampoo

DOT Proper Shipping Name
Gallon: ORM-D
6- or 12-oz do not require ORM-D markings

Additional Transport Information
No data available.

SECTION 15. Regulatory Information
Adams Flea & Tick Shampoo

No data available.

SECTION 16. Other Information
Adams Flea & Tick Shampoo

Supercedes Revision 10/12/2005
ECOLOGICAL INFORMATION:
This mixture contains material that may be toxic to fish.
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.