## SECTION 1. Product and Company Identification
### Adams Flea & Tick Mist

**Product Code:** 37425-12  
**Product Name:** Adams Flea & Tick Mist  
**Manufacturer Name and Address:**  
Distributed by: CHEMTREC  
Farnam Companies, Inc. District of Columbia  
301 West Osborn Road Phoenix, AZ.

**Telephone Numbers:**  
CHEMTREC: (800)424-9300  
Farnam Companies, Inc.: (202)483-0414  
Farnam Companies, In: (800)234-2269

**Dates:**  
Date Created: 03/22/1999  
Revision: 04/26/2007  
Printed: 04/26/2007

**Responsible Person:** Sherry Faith

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

<table>
<thead>
<tr>
<th>Hazardous Components (Chemical Name)</th>
<th>CAS #</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Pyrethrins and Pyrethroids {Cinerin I or II; Pyrethrum}</td>
<td>8003-34-7</td>
<td>0.15 %</td>
</tr>
<tr>
<td>2. Piperonyl butoxide {2-(2-butoxyethoxy)ethyl 6-propylpiperonyl ether}</td>
<td>51-03-6</td>
<td>1.5 %</td>
</tr>
<tr>
<td>3. N-OCTYL BICYCLOHEPTENE DICARBOXIMIDE</td>
<td>113-48-4</td>
<td>0.5 %</td>
</tr>
<tr>
<td>4. Isopropyl alcohol {sec-Propyl alcohol; IPA; 2-Propanol}</td>
<td>67-63-0</td>
<td>90.0 -95.0 %</td>
</tr>
<tr>
<td>5. Dipropyl isocinchomeranate {2,5-pyridinedicarboxylic acid, dipropyl ester}</td>
<td>136-45-8</td>
<td>0.5 %</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. No data.</td>
<td>No data.</td>
</tr>
<tr>
<td>2. No data.</td>
<td>No data.</td>
</tr>
<tr>
<td>3. No data.</td>
<td>No data.</td>
</tr>
</tbody>
</table>
SECTION 3. Hazards Identification
Adams Flea & Tick Mist

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
Pyrethrins: 5 mg/m3 ACGIH TWA

LD 50 / LC 50
Oral LD50 > 1500 mg/kg in rats

Signs and Symptoms Of Exposure
SKIN CONTACT: Irritation immediately after direct contact is not expected. However, skin contact should be avoided.
EYE CONTACT: Irritation may occur following direct contact. Symptoms might include redness, swelling or discharge.
INHALATION: Mist or vapor is not expected to be toxic. However, inhalation should be avoided.
INGESTION: Toxicity following ingestion is not expected. However, ingestion should be avoided.

Medical Conditions Generally Aggravated By Exposure
None known.

SECTION 4. First Aid Measures
Adams Flea & Tick Mist

Emergency and First Aid Procedures
SKIN CONTACT: Remove contaminated clothing and wash exposed area with soap and water. Obtain medical assistance if irritation or other unusual symptoms occur.
EYE CONTACT: Wash eyes continuously with water for at least 15 minutes and obtain medical attention. NOTE TO PHYSICIAN: Consider further flushing of eyes with large amounts of water or saline.
INHALATION: Move exposed subject to fresh air. Refer to a physician if subject experiences difficulty
breathing. IF BREATHING HAS STOPPED, START BASIC LIFE SUPPORT AND SEEK IMMEDIATE MEDICAL ASSISTANCE.

INGESTION: In the event of swallowing this material, do not induce vomiting. Treat Subject symptomatically and supportively. Get immediate medical assistance.

NOTE TO PHYSICIAN: This material contains pyrethrin insecticides. In cases of overexposure, consult a poison control center for detailed information concerning pyrethrin poisoning and treatment.

ANTIDOTES: No specific antidote known.

Note to Physician
No data available.

SECTION 5. Fire Fighting Measures
Adams Flea & Tick Mist

Flash Pt: 65.00 F
Method Used: No data.
Explosive Limits: LEL: 2 UEL: 12

Autoignition Pt: 460.00 F
Extinguishing Media
This material supports combustion. Carbon dioxide, dry chemical or foam extinguishers are recommended. Water jets may intensify the fire or be ineffective. Toxic or corrosive gases are expected during a fire or heating of this material.

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
Flammable liquid. Vapors are heavier than air and may travel to a flame or point of ignition.

Hazardous Combustion Products
No data available.

SECTION 6. Accidental Release Measures
Adams Flea & Tick Mist

Steps To Be Taken In Case Material Is Released Or Spilled
For large spills, isolate the spill area, restrict access and post the area for hazards present (flammable liquid, eye irritant) and necessary precautions. Extinguish open flames and shut off sources of ignition. Wear appropriate protective equipment to avoid skin contact and eye contact. Avoid sparks and open flames. Mix with sand or absorbent material and scoop or shovel into a suitable, properly labeled container for recovery or disposal.

SECTION 7. Handling and Storage
Adams Flea & Tick Mist

Hazard Label Information:
Store away from incompatible material
Rubber or neoprene gloves

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

Precautions To Be Taken in Storing
No data available.

Other Precautions
Personal exposure to this material should be avoided. Enclosure or local exhaust ventilation at the source of the material release should be used to routinely control exposure. If local exhaust ventilation is not appropriate, respirators supplied for the identified hazard must be worn.
Protective clothing should be worn if contact is possible.

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

Respiratory Equipment (Specify Type)
An appropriate respirator should be used if respiratory discomfort occurs. For U.S. operations, OSHA 29 CFR 1910.134 must be followed if respirator use is employed in the workplace. For non U.D. operations, review pertinent local regulations.

Eye Protection
Glasses or 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.

SECTION 9. Physical and Chemical Properties
Adams Flea & Tick Mist

Physical States:   [ ] Gas , [ X ] Liquid , [ ] Solid
Boiling Point: 82.00 C
Melting Point: -88.00 C
Specific Gravity (Water = 1): .804
Density: No data.
Vapor Pressure (vs. Air or mm Hg): 32mmHG at 23.0 C
Vapor Density (vs. Air = 1): 2.07
Evaporation Rate (vs Butyl Acetate=1): 2.06
Solubility in Water: No data.
Percent Volatile: N.A.
Saturated Vapor Concentration: No data.
Viscosity: No data.
pH: 7

Appearance and Odor
A yellow liquid with an alcohol odor

SECTION 10. Stability and Reactivity
Adams Flea & Tick Mist

Stability: Unstable [ ] Stable [ X ]
Conditions To Avoid - Instability
Avoid direct sunlight, conditions that might generate heat and sources of ignition.

Incompatibility - Materials To Avoid
Incompatible with strong oxidizing agents such as household bleach, anhydrides, isocyanates and organometallics.

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 Mist

No data available.

SECTION 12. Ecological Information
Adams Flea & Tick Mist

No data available.
SECTION 13. Disposal Considerations
Adams Flea & Tick Mist

Waste Disposal Method
DECONTAMINATION PROCEDURES: NONE
DISPOSAL CONSIDERATIONS: Do not reuse empty containers. Observe all federal, State and local regulations when disposing of this material.

SECTION 14. Transport Information
Adams Flea & Tick Mist

DOT Proper Shipping Name
No data available.
DOT Hazard Class: ORM-D
DOT Hazard Label: None
UN/NA Number: No data available.

Additional Transport Information
No data available.

SECTION 15. Regulatory Information
Adams Flea & Tick Mist
No data available.

SECTION 16. Other Information
Adams Flea & Tick Mist

Supercedes Revision 04/13/2006
ECOLOGICAL INFORMATION
ACUTE AQUATIC EFFECTS: This mixture is toxic to fish. Do not add directly to water. Do not apply where runoff is likely to occur.
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.