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# MSDS

## MATERIAL SAFETY DATA SHEET

### 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:  
Farnam Companies, Inc.  
301 West Osborn Road  
Phoenix, AZ. 85013

24 Hour Emergency (602)285-1660  
Business Hours (602)285-1660

**Telephone Numbers: Dates:**

Date Created: 03/22/1999  
Revision: 04/13/2006  
Printed: 06/13/2006

**Responsible Person:** Sherry Faith , **Phone #:**

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

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

  

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

### SECTION 3. Hazards Identification

## Adams Flea & Tick Mist

### Emergency Overview

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

**Potential Health Effects (Acute and Chronic)**

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

**Carcinogenicity/Other Information**

**Recommended Exposure Limits:** Pyrethrins: 5 mg/m<sup>3</sup> 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.

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### 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**

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### 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**

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## **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.

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## **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**

### **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.

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## **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.)****Work/Hygienic/Maintenance Practices**

Wash hands and arms thoroughly after handling this material. Clean up spills immediately.

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

<b>Physical States:</b>	<input type="checkbox"/> Gas , <input checked="" type="checkbox"/> Liquid , <input type="checkbox"/> Solid
<b>Boiling Point:</b>	82.00 C
<b>Melting Point:</b>	-88.00 C
<b>Specific Gravity (Water = 1):</b>	.804
<b>Density:</b>	No data.
<b>Vapor Pressure (vs. Air or mm Hg):</b>	32mmHG at 23.0 C
<b>Vapor Density (vs. Air = 1):</b>	2.07
<b>Evaporation Rate (vs Butyl Acetate=1):</b>	2.06
<b>Solubility in Water:</b>	No data.
<b>Other Solubility Notes:</b>	components are soluble in water
<b>Percent Volatile:</b>	N.A.
<b>Saturated Vapor Concentration:</b>	No data.
<b>Viscosity:</b>	No data.
<b>pH:</b>	7
<b>Appearance and Odor</b>	
A yellow liquid with an alcohol odor	

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**SECTION 10. Stability and Reactivity  
Adams Flea & Tick Mist**

**Stability:** Unstable  Stable

**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**

**Hazardous Polymerization:** Will occur  Will not occur

**Conditions To Avoid - Hazardous Polymerization****SECTION 11. Toxicological Information  
Adams Flea & Tick Mist**

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**SECTION 12. Ecological Information**  
**Adams Flea & Tick Mist**

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**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.

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**SECTION 14. Transport Information**  
**Adams Flea & Tick Mist**

**DOT Proper Shipping Name**

**DOT Hazard Class:** ORM-D

**DOT Hazard Label:** None

**UN/NA Number:** No dat

**Additional Transport Information**

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**SECTION 15. Regulatory Information**  
**Adams Flea & Tick Mist**

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**SECTION 16. Other Information**  
**Adams Flea & Tick Mist**

**Supersedes Revision** 04/03/2003

**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.

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