

## Adams Flea &amp; Tick Shampoo

Printed: 05/10/2006

Revision: 10/12/2005

Supercedes Revision: 09/21/2005

**1. Product and Company Identification**

**Product Code:** 37425-4  
**Product Name:** Adams Flea & Tick Shampoo  
**Reference #:** 6635  
**Manufacturer Information**  
**Company Name:** Distributed by:  
Farnam Companies, Inc.  
301 West Osborn Road  
Phoenix, AZ 85013  
**Emergency Contact:** 24 Hour Emergency (602)285-1660  
**Alternate Emergency Contact:** Business Hours (602)285-1660

**2. Composition/Information on Ingredients**

Hazardous Components (Chemical Name)	CAS #	Percentage	OSHA PEL	ACGIH TLV	Other Limits
1. Piperonyl butoxide	51-03-6	1.5 %	No data.	No data.	No data.
2. N-OCTYL BICYCLOHEPTENE DICARBOXIMIDE	113-48-4	0.5 %	No data.	No data.	No data.
3. Pyrethrins and Pyrethroids	8003-34-7	0.15 %	No data.	No data.	No data.

**3. Hazards Identification****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.

**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.

**4. First Aid Measures****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.

## 5. Fire Fighting Measures

**Flash Pt:** No data.

**Explosive Limits:** LEL: No data. UEL: No data.

### 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

### Extinguishing Media

Non-Flammable

### Unsuitable Extinguishing Media

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.

## 6. Accidental Release Measures

### 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

## 7. Handling and Storage

### 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.

## 8. Exposure Controls/Personal Protection

### 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.

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**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.

**9. Physical and Chemical Properties**

Physical States:	[ ] Gas	[ X ] Liquid	[ ] Solid
Melting Point:	-5.00 C - 4.00 C		
Boiling Point:	92.00 C - 96.00 C		
Autoignition Pt:	No data.		
Flash Pt:	No data. Method:		
Explosive Limits:	LEL: No data.		UEL: No data.
Specific Gravity (Water = 1):	1.022	at	25.0 C
Vapor Pressure (vs. Air or mm Hg):	No data.		
Vapor Density (vs. Air = 1):	No data.		
Evaporation Rate (vs Butyl Acetate=1):	1	N.A.	
Solubility in Water:	No data.		
Other Solubility Notes:	Components are soluble in water		
Percent Volatile:	N.A.		
Corrosion Rate:	No data.		
pH:	7-7.5		
Appearance and Odor			

Clear blue-green liquid with a perfume odor.

**10. Stability and Reactivity**

**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.

**11. Toxicological Information****Toxicological Information**

No data available.

**Carcinogenicity/Other Information**

No data available.

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

## 12. Ecological Information

### Ecological Information

No data available.

## 13. Disposal Considerations

### 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.

## 14. Transport Information

### LAND TRANSPORT (US DOT)

#### DOT Proper Shipping Name

Gallon: ORM-D

6- or 12-oz do not require ORM-D markings

## 15. Regulatory Information

No data available.

## 16. Other Information

### Additional Information About This Product

ECOLOGICAL INFORMATION:

This mixture contains material that may be toxic to fish.

### 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.