

MATERIAL SAFETY DATA SHEET
ADAMS FLEA & TICK CLEANSING
SHAMPOO

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1. Product and Company Identification

Product Code: 270-324-SHMP
Product Name: ADAMS FLEA & TICK CLEANSING SHAMPOO
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
Preparer Name: SFaith/Regulatory
Additional Identity Information
100504628 6-oz
100503563 12-oz

2. Composition/Information on Ingredients

Hazardous Components (Chemical Name)	CAS #	Concentration	OSHA PEL	ACGIH TLV
1. Piperonyl butoxide	51-03-6	0.75 %	No data.	No data.
2. Pyrethrins and Pyrethroids	8003-34-7	0.075 %	No data.	No data.
3. Pyriproxyfen (NYLAR/BIOLAR)	95737-68-1	0.086 %	No data.	No data.

3. Hazards Identification

Emergency Overview

KEEP OUT OF THE REACH OF CHILDREN

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

ORAL LD50 > 1500 mg/kg in rats

Signs and Symptoms Of Exposure

EYE CONTACT: Irritation can occur following direct contact with this material. Symptoms might include redness, swelling, blurred vision, pain or permanent eye damage.

SKIN CONTACT: Irritation can occur following direct contact with this material. Symptoms such as itching, redness or swelling may be immediate or delayed.

INHALATION: Inhalation is not expected during normal use of product. Mist or vapor may be toxic. Symptoms after overexposure 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 overexposure.

INGESTION: Ingestion is not expected during normal use of product. However, ingestion should be avoided. Symptoms after overexposure might include irritation, coughing, nausea, vomiting, diarrhea, headache, dizziness, salivation, sweating or fatigue.

Medical Conditions Generally Aggravated By Exposure

Asthma

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

IF IN EYES: Flush eyes continuously with water for at least 15 minutes. Remove contact lenses, if present, after first five minutes and continue rinsing. Obtain immediate medical attention.

IF ON SKIN: Remove contaminated clothing and flush exposed area with water thoroughly for 15 minutes. Obtain medical assistance if irritation occurs, which may be delayed.

IF INHALED: 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.

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

Note to Physician

Consider further flushing of eyes with large amounts of water or saline. This material contains pyrethrin insecticide. In cases of over exposure, consult a poison control center for additional information concerning poisoning.

Additional First Aid Information

ANTIDOTES: No specific antidotes known.

5. Fire Fighting Measures

Flash Pt: NA

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

Autoignition Pt: NA

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

None known

Extinguishing Media

Non-Flammable

Unsuitable Extinguishing Media

No data available.

Additional Fire Fighting Information

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.

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7. Handling and Storage

Precautions To Be Taken in Handling

Use with adequate ventilation.

Precautions To Be Taken in Storing

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.

Other Protective Clothing

Wear clothing with long sleeves to avoid skin contact.

Engineering Controls (Ventilation etc.)

Good general ventilation should be sufficient to control airborne levels.

Work/Hygienic/Maintenance Practices

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

9. Physical and Chemical Properties

Physical States:	[] Gas	[X] Liquid	[] Solid
Melting Point:	NA		
Boiling Point:	NA		
Autoignition Pt:	NA		
Flash Pt:	NA		
Explosive Limits:	LEL: No data.		UEL: No data.
Specific Gravity (Water = 1):	1.016	at 25.0 C	
Density:	NA		
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):	NA1	N.A.	
Solubility in Water:	N.A.		
Solubility Notes	Components are soluble in water		
Percent Volatile:	N.A.		
Saturated Vapor Concentration:	NA		
Viscosity:	NA		
Heat Value:	NA		
Particle Size:	NA		
Corrosion Rate:	NA		
pH:	7.53		

Appearance and Odor

Clear green liquid with an aloe odor.

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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

None known

Hazardous Polymerization: Will occur [] Will not occur [X]

Conditions To Avoid - Hazardous Polymerization

None known

11. Toxicological Information

None

Carcinogenicity/Other Information

No data available.

Hazardous Components (Chemical Name)	CAS #	NTP	IARC	ACGIH	OSHA
1. Piperonyl butoxide	51-03-6	n.a.	n.a.	n.a.	n.a.
2. Pyrethrins and Pyrethroids	8003-34-7	n.a.	n.a.	A4	n.a.
3. Pyriproxyfen (NYLAR/BIOLEAR)	95737-68-1	n.a.	n.a.	n.a.	n.a.

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

12. Ecological Information

This mixture contains material that is toxic to fish.

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. Never place unused product down any indoor or outdoor drain.

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.