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MATERIAL SAFETY DATA SHEET

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SECTION 1. Product and Company Identification ADAMS D-LIMONENE FLEA & TICK SHAMPOO

Product Code: 2724-759-270A
Product Name: ADAMS D-LIMONENE FLEA & TICK 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
Chemical Family: Compound
Additional Identity Information
3006102

SECTION 2. Composition/Information on Ingredients ADAMS D-LIMONENE FLEA & TICK SHAMPOO

Hazardous Components (Chemical Name)	CAS #	Concentration	OSHA PEL	ACGIH TLV
d-Limonene	5989-29-5	5.0 %	No data.	No data.
EMERSOL 6434	139-96-8	50.0 %	No data.	No data.
COCOAMIDE DEA	68603-42-9	5.0 %	No data.	No data.

SECTION 3. Hazards Identification ADAMS D-LIMONENE FLEA & TICK SHAMPOO

Emergency Overview

EYES: May cause irritation.

SKIN: May cause mild skin irritation in individuals with sensitive skin.

INHALATION: None known.

INGESTION: Amounts transferred to the mouth by fingers, etc. during normal operations should not cause injury.

SYSTEMIC & OTHER EFFECTS: None known.

Route(s) of Entry: Inhalation? No , Skin? Yes , Eyes? Yes , Ingestion? Yes

Potential Health Effects (Acute and Chronic)

No data available.

Signs and Symptoms Of Exposure

Unnecessary exposure to this product, or any chemical, should be avoided.

Medical Conditions Generally Aggravated By Exposure

NE

SECTION 4. First Aid Measures ADAMS D-LIMONENE FLEA & TICK SHAMPOO

Emergency and First Aid Procedures

EYES: Flush eyes repeatedly with plenty of water. Get medical attention.

SKIN: Wash with soap and water.

INHALATION: Remove to fresh air.

ORAL: Call a physician or poison control center. Give a glass or two of water and induce vomiting by touching the back of the throat with finger; or, if available, administer syrup of ipecac. Never give anything by mouth to an unconscious person.

SECTION 5. Fire Fighting Measures ADAMS D-LIMONENE FLEA & TICK SHAMPOO

Flash Pt: > 200.00 F

Explosive Limits: LEL: NE UEL: NE

Autoignition Pt: NE

Fire Fighting Instructions

None

Flammable Properties and Hazards

None

Extinguishing Media

No data available.

Unsuitable Extinguishing Media

No data available.

SECTION 6. Accidental Release Measures ADAMS D-LIMONENE FLEA & TICK SHAMPOO
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Steps To Be Taken In Case Material Is Released Or Spilled

Soak up spill material with absorbent material. Mop spill area with water.

SECTION 7. Handling and Storage ADAMS D-LIMONENE FLEA & TICK SHAMPOO

Hazard Label Information:

Avoid contact with eyes.

Precautions To Be Taken in Handling

Professional groomers or applicators (those with repeated and extended exposure) should wear goggles, apron, and rubber gloves at a minimum when working with this and other similar products.

Precautions To Be Taken in Storing

Store in dry place. Do not contaminate water, food or feed by storage or disposal.

Other Precautions

KEEP OUT OF REACH OF CHILDREN. Read and follow directions on product label.

SECTION 8. Exposure Controls/Personal Protection ADAMS D-LIMONENE FLEA & TICK SHAMPOO
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Respiratory Equipment (Specify Type)

None needed when used according to label directions.

Eye Protection

Use proper protection; safety glasses at a minimum.

Protective Gloves

none normally needed

Other Protective Clothing

None needed.

Engineering Controls (Ventilation etc.)

Use only in a well-ventilated area.

Work/Hygienic/Maintenance Practices

Good practice requires that gross amounts of any chemical be removed from the skin as soon as practical, especially before eating, smoking, or using the restroom.

Additional Exposure Control Information

Use only at room temperature.

SECTION 9. Physical and Chemical Properties ADAMS D-LIMONENE FLEA & TICK SHAMPOO

Physical States: [] Gas [X] Liquid [] Solid

Melting Point: N.A.

Boiling Point: > 212.00 F

Autoignition Pt: NE

Flash Pt: > 200.00 F

Explosive Limits: LEL: NE UEL: NE

Specific Gravity (Water = 1): 1.02

Vapor Pressure (vs. Air or mm Hg): ~17mm at 70.0 F

Vapor Density (vs. Air = 1): N.A.

Evaporation Rate (vs Butyl Acetate=1): 1.0

Solubility in Water: Miscible

Percent Volatile: 72.0 % by volume.

Corrosion Rate: No data.

pH: 7.1-7.9

Appearance and Odor

Clear to amber liquid with citrus odor.

SECTION 10. Stability and Reactivity
ADAMS D-LIMONENE FLEA & TICK SHAMPOO

Stability: Unstable [] Stable [X]

Conditions To Avoid - Instability

None known

Incompatibility - Materials To Avoid

None known

Hazardous Decomposition Or Byproducts

None known

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

Conditions To Avoid - Hazardous Polymerization

Will not occur

SECTION 11. Toxicological Information
ADAMS D-LIMONENE FLEA & TICK SHAMPOO

No data available.

Carcinogenicity/Other Information

No data available.

Hazardous Components (Chemical Name)	CAS #	NTP	IARC	ACGIH	OSHA
d-Limonene	5989-29-5	n.a.	n.a.	n.a.	n.a.
EMERSOL 6434	139-96-8	n.a.	n.a.	n.a.	n.a.
COCOAMIDE DEA	68603-42-9	n.a.	n.a.	n.a.	n.a.

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

SECTION 12. Ecological Information
ADAMS D-LIMONENE FLEA & TICK SHAMPOO

No data available.

SECTION 13. Disposal Considerations
ADAMS D-LIMONENE FLEA & TICK SHAMPOO

Waste Disposal Method

Do not reuse container. Wrap container and discard with trash. Full or leaking containers should be taken to a local disposal company for biological treatment or incineration. Dispose of in accordance with local, state and federal regulations.

SECTION 14. Transport Information
ADAMS D-LIMONENE FLEA & TICK SHAMPOO

LAND TRANSPORT (US DOT)

DOT Proper Shipping Name No data available.

SECTION 15. Regulatory Information
ADAMS D-LIMONENE FLEA & TICK SHAMPOO

No data available.

SECTION 16. Other Information
ADAMS D-LIMONENE FLEA & TICK SHAMPOO

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.
