Material Safety Data Sheet

SECTION 1. Product and Company Identification
Adams D-Limonene Flea & Tick Shampoo

Product Code: 4758-141-A
Product Name: Adams D-Limonene Flea & Tick Shampoo
Chemical Family: Compound

Manufacturer Name and Address:
Distributed by: CHEMTREC
Farnam Companies, Inc. District of Columbia
301 West Osborn Road Farnam Companies, In
Phoenix, AZ.

Responsible Person: McColm, Hope
Phone #: Additional Identity Information
3006102

Date Created: 08/28/2001
Revision: 05/04/2007
Printed: 05/04/2007

SECTION 2. Composition/Information on Ingredients
Adams D-Limonene Flea & Tick Shampoo

Hazardous Components (Chemical Name) | CAS # | Concentration
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1. d-Limonene | 5989-29-5 | 5.0 %
2. EMERSOL 6434 | 139-96-8 | 50.0 %
3. COCOAMIDE DEA | 68603-42-9 | 5.0 %

OSHA PEL
1. No data.
2. No data.
3. No data.

ACGIH TLV
1. No data.
2. No data.
3. 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.
Carcinogenicity: NTP? No , IARC Monographs? No , OSHA Regulated? No
Carcinogenicity/Other Information
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.
Note to Physician
No data available.

SECTION 5. Fire Fighting Measures
Adams D-Limonene Flea & Tick Shampoo

Flash Pt: N.A. Method Used: No data.
Explosive Limits: LEL: NE UEL: NE

Extinguishing Media
No data available.

Fire Fighting Instructions
None

Flammable Properties and Hazards
None

Hazardous Combustion Products
No data available.

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SECTION 6. Accidental Release Measures
Adams D-Limonene Flea & Tick Shampoo

Steps To Be Taken In Case Material Is Released Or Spilled
Soak up spill material with absorbent material. Mop spill area with water.

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SECTION 7. Handling and Storage
Adams D-Limonene Flea & Tick Shampoo

Hazard Label Information:
Use spark-proof tools and explosion p

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 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.

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SECTION 8. Exposure Controls/Personal Protection
Adams D-Limonene Flea & Tick Shampoo

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 |
| Boiling Point:           | > 212.00 F                          |
| Melting Point:           | N.A.                                |
| Specific Gravity (Water = 1): | 1.02                       |
| Density:                 | No data.                            |
| 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.                   |
| Saturated Vapor Concentration: | No data.                        |
| Viscosity:               | 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

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**SECTION 11. Toxicological Information**
Adams D-Limonene Flea & Tick Shampoo

No data available.

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**SECTION 12. Ecological Information**
Adams D-Limonene Flea & Tick Shampoo

No data available.

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**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.

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**SECTION 14. Transport Information**
Adams D-Limonene Flea & Tick Shampoo
DOT Proper Shipping Name
No data available.

Additional Transport Information
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

Supercedes Revision 09/27/2006

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.