1. Product and Company Identification

Product Code: 2724-462-270-AD
Product Name: ADAMS FLEA & TICK MIST WITH PRECOR

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: S.Faith/Regulatory

Additional Identity Information

16-oz 100503446, 32-oz 100503447

2. Composition/Information on Ingredients

Hazardous Components (Chemical Name) | CAS # | Concentration | OSHA PEL | ACGIH TLV
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1. 2,4-Dodecadienoic acid, 11-methoxy-3,7,11-trimethyl-, 1-methylethyl ester, [S-(E,E)]- | 65733-16-6 | < 1.0 % | | |
2. Pyrethrins and Pyrethroids | 8003-34-7 | < 1.0 % | 5 mg/m³ | 5 mg/m³ |
3. Piperonyl butoxide | 51-03-6 | < 1.0 % | | |
4. N-OCTYL BICYCLOHEPTENE DICARBOXIMIDE | 113-48-4 | < 1.0 % | | |

3. Hazards Identification

Emergency Overview

KEEP OUT OF THE REACH OF CHILDREN
Caution: Harmful if swallowed or absorbed through the skin. Avoid contact with skin, eyes, or clothing. May cause dermal sensitization (SKIN ALLERGY).

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

Potential Health Effects (Acute and Chronic)
None known

Recommended Exposure Limits
Pyrethrins = 5 mg/m³ (OSHA PEL & ACGIH TLV)

Signs and Symptoms Of Exposure
Those associated with allergies, hay fever, i.e., itchy, runny eyes, stuffy/ runny nose, chest discomfort, possible hives.

4. First Aid Measures

Emergency and First Aid Procedures

Eyes: Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, and then continue rinsing eyes.
Skin: Remove contaminated clothing and wash affected areas with soap and water. Get medical attention if irritation persists.
Ingestion: Call physician or Poison Control Center. Give 1-2 glasses of water and induce vomiting by touching the back of the throat with finger. Do not give anything by mouth or induce vomiting to an unconscious person.
Inhalation: Remove to fresh air.

Note to Physician
Treat symptomatically.
5. Fire Fighting Measures

Flammability Classification: Combustible Liquid
Flash Pt: 41.00°C
Explosive Limits: LEL: 12 UEL: 3
Autoignition Pt: NR

Fire Fighting Instructions
Firefighters should wear full protective clothing including self-contained breathing apparatus. Follow normal firefighting procedures. Do not allow fire fighting water to escape into waterways or sewers.

Flammable Properties and Hazards
None known

Hazardous Combustion Products
Incomplete combustion may produce carbon monoxide.

Extinguishing Media
Dry chemical, CO2 or Alcohol foam (water may be ineffective.)

Unsuitable Extinguishing Media
None known

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled
Do not allow spill to enter waterways inhabited by aquatic organisms. Soak up with absorbent material and place in container for disposal. Absorbents include clay granules, sawdust, dirt or equivalent.

7. Handling and Storage

Precautions To Be Taken in Handling
Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling.

Precautions To Be Taken in Storing
Do not contaminate water, food or food by storage. Store away from children. Do not use or store near heat or open flame.

8. Exposure Controls/Personal Protection

Respiratory Equipment (Specify Type)
If prolonged exposure is anticipated, it is recommended for users and handlers to wear a NIOSH approved organic vapor/pesticide respirator.

Eye Protection
If prolonged exposure is anticipated, it is recommended for users and handlers to wear goggles.

Protective Gloves
If prolonged exposure is anticipated, it is recommended for users and handlers to wear impervious gloves.

Other Protective Clothing
If prolonged exposure is anticipated, it is recommended for users and handlers to wear protective clothing to prevent skin contact.

Engineering Controls (Ventilation etc.)
Use with adequate ventilation.

9. Physical and Chemical Properties

Physical States: [ ] Gas [X] Liquid [ ] Solid
Melting Point: NR
Boiling Point: NR
Autoignition Pt: NR
Flash Pt: 41.00 C
Explosive Limits: LEL: 12 UEL: 3
Specific Gravity (Water = 1): 0.9504 at 20.0 C
Density: NR
Vapor Pressure (vs. Air or mm Hg): NR
Vapor Density (vs. Air = 1): NR
Evaporation Rate (vs Butyl Acetate=1): NR
Solubility in Water: Miscible
Percent Volatile: NR
VOC / Volume: NR 0.0000
HAP / Volume: NR 0.0000
Saturated Vapor Concentration: NR
Viscosity: NR
Corrosion Rate: NR
pH: 5.47

Appearance and Odor
Pale yellow, transparent liquid

10. Stability and Reactivity
Stability:
Unstable [ ] Stable [ X ]
Conditions To Avoid - Instability
None known
Incompatibility - Materials To Avoid
Strong oxidizers
Hazardous Decomposition Or Byproducts
Incomplete combustion may produce carbon monoxide.
Hazardous Polymerization:
Will occur [ ] Will not occur [ X ]
Conditions To Avoid - Hazardous Polymerization
N/A

11. Toxicological Information
Skin Irritation: Non irritating (rabbit)
Eye Irritation: Moderately irritating (rabbit)
Sensitizer: Positive (guinea pig)
Carcinogenicity/Other Information
None known
Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No
Additional Toxicological Information
No adverse effects have been observed in groups of dogs when applied at 7 day intervals, at levels up to 5 times the recommended rate.

12. Ecological Information
[Based on (S)-Methoprene] Acute Toxicity:
fish:LC50 (trout): 760 ppb, (bluegill): > 370 ppb aquatic invertebrates:LC50 (Daphnia): 360 ppb

13. Disposal Considerations
Waste Disposal Method
Do not contaminate water or food by disposal. Disposal: Do not reuse this container. Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.
14. Transport Information

LAND TRANSPORT (US DOT)

DOT Proper Shipping Name: N/A Via Highway & Rail, Via Air & Intl: Flammable Liquid, N.O.S. (2-propanol) 3
UN/NA Number: 1993
Packing Group: III

UN 1993 Pg. 111 "LTD QTY" if inner pkg. -. 5 LTR or 160 Fl. OZ

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.