

## 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
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

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**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.

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

**UN/NA Number:**

1993

**Packing Group:**

III

**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.