

1. Product and Company Identification

Product Code: 270-343
Product Name: ADAMS FLEA & TICK MIST
Manufacturer Information
Company Name: Distributed by:
 Farnam Companies, Inc.
 301 West Osborn Road
 Phoenix, AZ
Emergency Contact: Animal or human exposure (800)234-2269
Alternate Emergency Contact: CHEMTREC (Emergency spills) (800)424-9300
Information: Farnam Companies (800)234-2269
Preparer Name: SFaith/Regulatory

Additional Identity Information

16-oz (3006083), 32-oz (3006084)

2. Composition/Information on Ingredients

Hazardous Components (Chemical Name)	CAS #	Concentration	OSHA PEL	ACGIH TLV
1. Pyrethrins and Pyrethroids	8003-34-7	0.15 %	No data.	No data.
2. Piperonyl butoxide	51-03-6	1.5 %	No data.	No data.
3. N-OCTYL BICYCLOHEPTENE DICARBOXIMIDE	113-48-4	0.51 %	No data.	No data.
4. Isopropyl alcohol	67-63-0	90.0 -95.0 %	No data.	No data.
5. Dipropyl isocinchomeronate	136-45-8	0.5 %	No data.	No data.

3. Hazards Identification

Emergency Overview

KEEP OUT OF REACH OF CHILDREN
 Harmful if swallowed or inhaled.

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

Potential Health Effects (Acute and Chronic)

No data available.

Recommended Exposure Limits

Pyrethrins: 5 mg/m³ ACGIH TWA

LD 50 / LC 50

Oral LD50 > 1500 mg/kg in rats

Signs and Symptoms Of Exposure

SKIN CONTACT: Irritation immediately after direct contact is not expected. However, skin contact should be avoided.

EYE CONTACT: Irritation may occur following direct contact. Symptoms might include redness, swelling or discharge.

INHALATION: Mist or vapor is not expected to be toxic. However, inhalation should be avoided.

INGESTION: Toxicity following ingestion is not expected. However, ingestion should be avoided.

Medical Conditions Generally Aggravated By Exposure

None known.

4. First Aid Measures

Emergency and First Aid Procedures

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

Note to Physician

Consider further flushing of eyes with large amounts of water or saline. This material contains pyrethrin insecticides. In cases of overexposure, consult a poison control center for detailed information concerning pyrethrin poisoning and treatment.

5. Fire Fighting Measures

Flash Pt: 65.00 F

Explosive Limits: LEL: 2 UEL: 12

Autoignition Pt: 460.00 F

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

Flammable liquid. Vapors are heavier than air and may travel to a flame or point of ignition.

Hazardous Combustion Products

None known

Extinguishing Media

This material supports combustion. Carbon dioxide, dry chemical or foam extinguishers are recommended. Water jets may intensify the fire or be ineffective. Toxic or corrosive gases are expected during a fire or heating of this material.

Unsuitable Extinguishing Media

None known

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled

For large spills, isolate the spill area, restrict access and post the area for hazards present (flammable liquid, eye irritant) and necessary precautions. Extinguish open flames and shut off sources of ignition. Wear appropriate protective equipment to avoid skin contact and eye contact. Avoid sparks and open flames. Mix with sand or absorbent material and scoop or shovel into a suitable, properly labeled container for recovery or disposal.

7. Handling and Storage

Hazard Label Information:

Store in cool, dry area Use protective clothing impervious to Keep away from heat and flame. Corrosive to metals.

Precautions To Be Taken in Handling

Avoid contamination of food. Do not use this material near sources of ignition. Avoid breathing mist. Use with adequate ventilation. Wash hands with soap and water after using.

Precautions To Be Taken in Storing

Store in a cool, dry place away from heat, open flames and other containers of food or feed. Do not transfer to other containers.

Other Precautions

Personal exposure to this material should be avoided. Enclosure or local exhaust ventilation at the source of the material release should be used to routinely control exposure. If local exhaust ventilation is not appropriate, respirators supplied for the identified hazard must be worn. Protective clothing should be worn if contact is possible.

8. Exposure Controls/Personal Protection

Respiratory Equipment (Specify Type)

An appropriate respirator should be used if respiratory discomfort occurs. For U.S. operations, OSHA 29 CFR 1910.134 must be followed if respirator use is employed in the workplace. For non U.D. operations, review pertinent local regulations.

Eye Protection

Glasses or 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.)

No data available.

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: -88.00 C

Boiling Point: 82.00 C

Autoignition Pt: 460.00 F

Flash Pt: 65.00 F

Explosive Limits: LEL: 2 UEL: 12

Specific Gravity (Water = 1): .804

Vapor Pressure (vs. Air or mm Hg): 32mmHG at 23.0 C

Vapor Density (vs. Air = 1): 2.07

Evaporation Rate: 2.06

Solubility in Water: No data.

Solubility Notes

Components are soluble in water.

Percent Volatile: N.A.

pH: 7

Appearance and Odor

A yellow liquid with an alcohol odor.

10. Stability and Reactivity

Stability: Unstable [] Stable [X]

Conditions To Avoid - Instability

Avoid direct sunlight, conditions that might generate heat, and sources of ignition.

Incompatibility - Materials To Avoid

Incompatible with strong oxidizing agents such as household bleach, anhydrides, isocyanates and organometallics.

Hazardous Decomposition Or Byproducts

No data available.

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

Conditions To Avoid - Hazardous Polymerization

No data available.

11. Toxicological Information

Toxicological Information

No data available

Chronic Toxicological Effects

No data available

Hazardous Components (Chemical Name)	CAS #	NTP	IARC	ACGIH	OSHA
1. Pyrethrins and Pyrethroids	8003-34-7	n.a.	n.a.	A4	n.a.
2. Piperonyl butoxide	51-03-6	n.a.	3	n.a.	n.a.
3. N-OCTYL BICYCLOHEPTENE DICARBOXIMIDE	113-48-4	n.a.	n.a.	n.a.	n.a.
4. Isopropyl alcohol	67-63-0	n.a.	3	A4	n.a.
5. Dipropyl isocinchomeronate	136-45-8	n.a.	n.a.	n.a.	n.a.

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

12. Ecological Information

General Ecological Information

This mixture is toxic to fish. Do not add directly to water. Do not apply where runoff is likely to occur.

13. Disposal Considerations

Waste Disposal Method

Do not reuse empty containers. Observe all federal, state and local regulations when disposing of this material.

14. Transport Information

LAND TRANSPORT (US DOT)

DOT Proper Shipping Name Consumer Commodity, ORM-D

Additional Transport Information

No data available.

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.