

MATERIAL SAFETY DATA SHEET
ADAMS FLEA & TICK HOME & CARPET
SPRAY

Page: 1
Printed: 08/30/2012
Revision: 08/23/2012
Supercedes Revision: 08/11/2011

1. Product and Company Identification

Product Code: 2724-702-270
Product Name: ADAMS FLEA & TICK HOME & CARPET SPRAY
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: Sherry Faith
Revision Date: 08/23/2012

Additional Identity Information

100502205 16-oz
100512403 16-oz (Wal-Mart)
100512404 8-oz

2. Composition/Information on Ingredients

| Hazardous Components (Chemical Name) | CAS # | Concentration | OSHA PEL | ACGIH TWA | Other Limits |
|--|------------|---------------|----------|-----------|--------------|
| 1. Etofenprox | 80844-07-1 | < 1.0 % | No data. | No data. | No data. |
| 2. Pyriproxyfen (NYLAR/BIOLAR) | 95737-68-1 | < 1.0 % | No data. | No data. | No data. |
| 3. Cyclopropanecarboxylic acid, 2,2-dimethyl-3-(2-methyl-1-propenyl)-, 2-methyl-4-oxo-3-(2-propynyl)-2 | 23031-36-9 | < 1.0 % | No data. | No data. | No data. |
| 4. N-OCTYL BICYCLOHEPTENE DICARBOXIMIDE | 113-48-4 | < 1.0 % | No data. | No data. | No data. |
| 5. Acetone | 67-64-1 | > 5.0 % | 1000 ppm | 500 ppm | No data. |

| Hazardous Components (Chemical Name) | CAS # | OSHA STEL | OSHA CEIL | ACGIH STEL | ACGIH CEIL |
|--|------------|-----------|-----------|------------|------------|
| 1. Etofenprox | 80844-07-1 | No data. | No data. | No data. | No data. |
| 2. Pyriproxyfen (NYLAR/BIOLAR) | 95737-68-1 | No data. | No data. | No data. | No data. |
| 3. Cyclopropanecarboxylic acid, 2,2-dimethyl-3-(2-methyl-1-propenyl)-, 2-methyl-4-oxo-3-(2-propynyl)-2 | 23031-36-9 | No data. | No data. | No data. | No data. |
| 4. N-OCTYL BICYCLOHEPTENE DICARBOXIMIDE | 113-48-4 | No data. | No data. | No data. | No data. |
| 5. Acetone | 67-64-1 | No data. | No data. | 750 ppm | No data. |

3. Hazards Identification

Emergency Overview

KEEP OUT OF REACH OF CHILDREN -- HAZARDS TO HUMANS AND DOMESTIC ANIMALS
REPEATED EXPOSURE TO ETOFENPROX CAN CAUSE SKIN IRRITATION

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

Potential Health Effects (Acute and Chronic)

None known.

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Recommended Exposure Limits

Not available for product mixture. Acetone: 500 ppm (ACGIH TWA) 1000 ppm (OSHA TWA).

Signs and Symptoms Of Exposure

Slightly irritating to skin. Minimally irritating to eyes. Not a skin sensitizer.

Medical Conditions Generally Aggravated By Exposure

None known

4. First Aid Measures

Emergency and First Aid Procedures

Take off contaminated clothing. Rinse skin immediately with soap and water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

Note to Physician

Treat symptomatically.

5. Fire Fighting Measures

Flammability Classification: Level 1 Aerosol

Flash Pt: NA

Explosive Limits: LEL: N/A UEL: N/A

Autoignition Pt: NE

Fire Fighting Instructions

Normal procedures. Do not allow fire fighting water to escape into water-ways or sewers.

Special Protective Equipment: Firefighters should wear full protective clothing including self-contained breathing apparatus.

Flammable Properties and Hazards

Unusual Fire/Explosion Hazards: Contents under pressure.

Hazardous Combustion Products

Carbon dioxide and carbon monoxide.

Extinguishing Media

Water, dry chemical, foam, CO2.

Unsuitable Extinguishing Media

None known.

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled

Absorb spills with an inert material. Use clay granules or other appropriate inert absorbent material. Place in container for disposal. Do not allow spill to enter waterways or sewers.

7. Handling and Storage

Precautions To Be Taken in Handling

Wash hands with soap and water after handling material. Avoid contact with skin, eyes, or clothing.

Precautions To Be Taken in Storing

Do not store above 130°F. Do not store near open flames. Store in a cool, dry place away from children. Do not contaminate water, food, or feed, by storage.

8. Exposure Controls/Personal Protection

Respiratory Equipment (Specify Type)

See below.

Eye Protection

See below.

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Protective Gloves

See below.

Other Protective Clothing

Use protective eyewear, clothing and impervious gloves as necessary to prevent contact with skin, eyes or clothing. Under normal use conditions, a respirator is not required. If adequate ventilation is not available to control airborne levels below recommended exposure limits, use of appropriate respiratory protection may be necessary.

Engineering Controls (Ventilation etc.)

Use with ventilation adequate to keep airborne levels below recommended exposure limits.

Work/Hygienic/Maintenance Practices

No data available.

9. Physical and Chemical Properties

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

Melting Point: NE

Boiling Point: NE

Decomposition Temperature: NE

Autoignition Pt: NE

Flash Pt: NA

Explosive Limits: LEL: N/A UEL: N/A

Specific Gravity (Water = 1): 0.986.

Density: 8.2 lbs / g

Vapor Pressure (vs. Air or mm Hg): NE

Vapor Density (vs. Air = 1): NE

Evaporation Rate: NE

Solubility in Water: No data.

Solubility Notes

Disperses in water (emulsion).

Percent Volatile: N.A.

Saturated Vapor Concentration: NE

Viscosity: NE

Corrosion Rate: NE

pH: 6.93

Appearance and Odor

Milky, slightly amber, liquid emulsion; characteristic light acetone odor.

Additional Physical Information

Flame extension = 0 inch

10. Stability and Reactivity

Stability: Unstable [] Stable [X]

Conditions To Avoid - Instability

None known

Incompatibility - Materials To Avoid

Strong oxidizers.

Hazardous Decomposition Or Byproducts

Oxides of carbon

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

Conditions To Avoid - Hazardous Polymerization

N/A

11. Toxicological Information

Toxicological Information

ACUTE TOXICITY

Acute oral toxicity (rat): LD50 >5,000 mg/kg

Acute dermal toxicity: LD50 >5,000mg/kg

Acute inhalation toxicity: 4-hr LC50 >2.02 mg/L

Skin irritation: Slightly irritating

Eye irritation: Minimally irritating

Dermal Sensitization: Not a sensitizer

Chronic Toxicological Effects

CHRONIC TOXICITY [Specific to Active Ingredient(s)]:

Etofenprox is not listed as a carcinogen by NTP or IARC and is not regulated by OSHA.

In rats the target organs are the liver and thyroid. The NOAEL for chronic toxicity is 3.7 mg/kg/day for male rats.

The target organ in mice is the kidney. The NOAEL is 3.1 mg/kg/day for mice.

Pyriproxyfen is not a carcinogen. In a 1-Year feeding study (dog), the No Observable Effect Level was 30 mg/kg/day. In an 18-Month feeding study (mouse), there was no evidence of increased tumor incidence when fed in the diet at 0, 120, 600 & 6000 ppm/day. The NOEL for systemic effects was 120 ppm/day. In a 2-Year chronic feeding study (rat), there was no evidence of increased tumor incidence when fed in the diet at 0, 120, 600 & 6000 ppm/day. The NOEL for systemic effects was 600 ppm/day for males, 120 ppm/day for females.

Prallethrin is not listed as a carcinogen by IARC, NTP, OSHA or ACGIH.

N-Octyl bicycloheptene dicarboximide Chronic toxicity NOEL for rats was 50mg/kg/day for rats and 250 ppm in the diet for dogs. The NOEL for oncogenicity was 450 mg/kg/day for rats and 50 mg/kg/day for mice.

Carcinogenicity: NTP: No. IARC: No. OSHA: No.

SUBCHRONIC TOXICITY [Specific to Active Ingredient(s)]

Etofenprox is a mild skin irritant after 4-weeks of treatment. No systemic toxicity from dermal exposure was observed at doses up to 1000 mg/kg/day.

N-Octyl bicycloheptene dicarboximide The three-month subchronic inhalation NOEL for rats was 400 mg/m³.

| Hazardous Components (Chemical Name) | CAS # | NTP | IARC | ACGIH | OSHA |
|--|------------|------|------|-------|------|
| 1. Etofenprox | 80844-07-1 | n.a. | n.a. | n.a. | n.a. |
| 2. Pyriproxyfen (NYLAR/BILAR) | 95737-68-1 | n.a. | n.a. | n.a. | n.a. |
| 3. Cyclopropanecarboxylic acid, 2,2-dimethyl-3-(2-methyl-1-propenyl)-, 2-methyl-4-oxo-3-(2-propynyl)-2 | 23031-36-9 | n.a. | n.a. | n.a. | n.a. |
| 4. N-OCTYL BICYCLOHEPTENE DICARBOXIMIDE | 113-48-4 | n.a. | n.a. | n.a. | n.a. |
| 5. Acetone | 67-64-1 | n.a. | n.a. | A4 | n.a. |

Additional Toxicological Information

DEVELOPMENTAL/REPRODUCTIVE TOXICITY [Specific to Active Ingredient(s)]:

Etofenprox is not a teratogen. It does not have adverse effects on reproduction.

Pyriproxyfen is not a teratogen. It does not have adverse effects on reproduction.

N-Octyl bicycloheptene dicarboximide The NOEL for developmental effects in rats was 300 mg/kg/day for maternal toxicity and 1000 mg/kg/day for developmental toxicity. The NOEL for fetotoxicity in rabbits was 100 mg/kg/day.

MUTAGENICITY [Specific to Active Ingredient(s)]: Etofenprox is not a mutagen. Pyriproxyfen is not a mutagen.

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12. Ecological Information

General Ecological Information

Acute Toxicity:
fish: LC50 (trout): 3.3 ppb, (bluegill): 8.5 ppb.

13. Disposal Considerations

Waste Disposal Method

Do not puncture or incinerate. Do not reuse this container. Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

14. Transport Information

LAND TRANSPORT (US DOT)

DOT Proper Shipping Name Consumer Commodity, ORM-D

Additional Transport Information

No data available.

Additional Transport Information

Freight Classification: Insecticides Spray NMFC I-102120 CL. 60.

15. Regulatory Information

Regulatory Information

No additional information.

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.