



# Adams Plus Flea & Tick Carpet Spray

## Safety Data Sheet

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### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Trade name : Adams Plus Flea & Tick Carpet Spray  
Synonyms : 100519880; EPA Reg. No.: 2724-809-270; RF2104 Carpet Spray M; RF2104B

#### 1.2. Recommended use and restrictions on use

Recommended use : Insecticide. Insect growth regulator.  
Restrictions on use : Keep out of reach of children. Avoid contact with eyes, skin or clothing. Use only outdoors or in a well-ventilated area. Do NOT take internally. Keep away from heat, sparks and flame.

#### 1.3. Supplier

Farnam Companies, Inc.  
1501 E. Woodfield Road, Suite 200W  
Schaumburg, IL 60173

www.adamsfleacontrol.com

#### 1.4. Emergency telephone number

Emergency number : 1-800-234-2269  
1-800-424-9300 - CHEMTREC  
1-703-527-3887 - CHEMTREC - Outside North America - Collect Calls Accepted

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS US classification

Flammable aerosol Category 2	Flammable aerosol
Gases under pressure Compressed gas	Contains gas under pressure; may explode if heated
Specific target organ toxicity (single exposure) Category 3	May cause drowsiness or dizziness
Aspiration hazard Category 1	May be fatal if swallowed and enters airways

#### 2.2. GHS Label elements, including precautionary statements

##### GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) :

Danger

Hazard statements (GHS US) :

Flammable aerosol  
Contains gas under pressure; may explode if heated  
May be fatal if swallowed and enters airways  
May cause drowsiness or dizziness

Precautionary statements (GHS US) :

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Do not spray on an open flame or other ignition source.  
Pressurized container: Do not pierce or burn, even after use.  
Avoid breathing dust/fume/gas/mist/vapors/spray.  
Use only outdoors or in a well-ventilated area.  
If swallowed: Immediately call a poison center or doctor.  
If inhaled: Remove person to fresh air and keep comfortable for breathing.  
Call a poison center or doctor if you feel unwell.  
Do NOT induce vomiting.  
Store in a well-ventilated place. Keep container tightly closed.  
Store locked up.  
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.  
Dispose of contents/container in accordance with local/regional/national/international regulations.

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### 2.3. Other hazards which do not result in classification

Other hazards not contributing to the classification : Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

### 2.4. Unknown acute toxicity (GHS US)

Not applicable

## SECTION 3: Composition/Information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%
Prallethrin	(CAS-No.) 23031-36-9	0.3
N-Octyl Bicycloheptene Dicarboximide	(CAS-No.) 113-48-4	0.5
(s)-Methoprene Technical	(CAS-No.) 65733-16-6	0.045
Etofenprox	(CAS-No.) 80844-07-1	0.5
Distillates (petroleum), hydrotreated light	(CAS-No.) 64742-47-8	10.39
Propane-butane mixture	(CAS-No.) 68476-86-8	15
Non-hazardous and/or does not meet criteria for classification	(CAS-No.) N/A	Balance

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

First-aid measures after inhalation : IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

First-aid measures after skin contact : IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.

First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice and attention.

First-aid measures after ingestion : IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. Do NOT induce vomiting unless directed to do so by medical personnel.

### 4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation : May cause drowsiness or dizziness.

Symptoms/effects after ingestion : Risk of lung edema.

### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Use extinguishing agent suitable for surrounding fire.

Unsuitable extinguishing media : Avoid heavy hose streams.

### 5.2. Specific hazards arising from the chemical

Explosion hazard : At temperatures above 130°F, container may rupture.

Reactivity : The product is non-reactive under normal conditions of use, storage and transport.

### 5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Do not allow fire fighting water to escape into waterways or sewers. Do not use direct stream of water. A direct stream of water may spread fire. Ventilate closed spaces before entering. Do not breathe gas/fumes/vapor/spray.

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Approach leaking or punctured pressurized containers cautiously. Isolate leaking container from all sources of ignition. Avoid breathing fumes. Ventilate enclosed areas.

#### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes.

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### 6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: Exposure controls/personal protection.
- Emergency procedures : As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. Stay upwind. Contents under pressure. Flammable aerosols exposed to high temperatures may rupture, rocket and cause secondary hazards. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop leak if safe to do so. Ventilate area. Wear appropriate personal protective equipment, avoid direct contact.

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : SMALL SPILLS: Take up with sand or other non-combustible absorbent material and place into containers for later disposal.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment. Do not use or store near heat or open flame. Exposure to temperatures above 130°F may cause bursting. Do not smoke while using this product. Do not allow product to freeze. Contents under pressure, do not crush, puncture or incinerate. Avoid breathing fumes.
- Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a cool, dry place. Keep out of reach of children. Keep away from sources of ignition – No Smoking. Store in a well-ventilated place. Keep container tightly closed. Keep at a temperature not exceeding 120°F. Keep from freezing. NFPA Aerosol Classification: Level 1. Store locked up.
- Incompatible materials : Heat, sparks, open flame.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Distillates (petroleum), hydrotreated light (64742-47-8)		
ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	Absorbed through skin. 200 mg/m <sup>3</sup> , (as total hydrocarbon vapor) 8 hours.
Propane-butane mixture (68476-86-8)		
ACGIH	ACGIH TWA (ppm)	1000 ppm Propane
ACGIH	ACGIH STEL (ppm)	1000 ppm Butane
OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	1800 mg/m <sup>3</sup> Propane ~ 1,900 mg/m <sup>3</sup> Butane
OSHA	OSHA PEL (TWA) (ppm)	1000 ppm Propane ~ 800 ppm Butane
IDLH	US IDLH (ppm)	2100 ppm (10% LEL) Propane
NIOSH	NIOSH REL (TWA) (mg/m <sup>3</sup> )	1800 mg/m <sup>3</sup> Propane
NIOSH	NIOSH REL (TWA) (ppm)	1000 ppm Propane

### 8.2. Appropriate engineering controls

- Appropriate engineering controls : Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values.
- Environmental exposure controls : Avoid release to the environment.

### 8.3. Individual protection measures/Personal protective equipment

#### Hand protection:

Protective gloves

#### Eye protection:

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Safety glasses

### Skin and body protection:

If prolonged exposure is anticipated, it is recommended for handlers to wear appropriate clothing to prevent skin contact.

### Respiratory protection:

In case of insufficient ventilation, use NIOSH approved respiratory protection.



## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: White to pale yellow aerosol spray
Color	: White to pale yellow
Odor	: Solvent
Odor threshold	: No data available
pH	: Not applicable
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: Not relevant
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Not applicable
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: 0.986
Solubility	: Soluble
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: < 10 Centipoise (cPs, cP) or mPas (Propellant-free concentrate only)
Explosion limits	: No data available
Explosive properties	: Not explosive
Oxidizing properties	: Not applicable
VOC content	: 15 % w/w (calculated)
Flame extension	: 0 in
Heat of combustion	: 7.46 KJ/g

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use. Aerosols exposed to high temperatures may rupture, rocket and cause secondary hazards. Hazardous polymerization will not occur.

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### 10.4. Conditions to avoid

Heat, sparks, open flame. Excess heat. Do not freeze.

### 10.5. Incompatible materials

Strong acids. Strong bases. Strong oxidizing agents.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Hazardous decomposition may occur when heated producing oxides of carbon and nitrogen, volatile hydrocarbon vapors.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Adams Plus Flea & Tick Carpet Spray	
LD50 oral	> 5000 mg/kg
LD50 dermal rat	> 5000 mg/kg
Vaporizer	Aerosol

GHS-US Properties	Classification
Acute toxicity (oral)	Not classified
Acute toxicity (dermal)	Not classified
Acute toxicity (inhalation)	Not classified
Skin corrosion/irritation	Not classified
Serious eye damage/irritation	Not classified
Respiratory or skin sensitization	Not classified
Germ cells mutagen	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
Specific target organ toxicant (single exposure)	May cause drowsiness or dizziness.
Specific target organ toxicant (repeated exposure)	Not classified
Aspiration hazard	May be fatal if swallowed and enters airways.

### Potential health effects

#### Inhalation

Acute : May cause drowsiness and dizziness.

#### Skin

Acute : Under normal conditions of use, no health effects are expected.

Chronic : Prolonged and repeated exposure to Etofenprox can cause skin irritation.

#### Eye

Acute : May cause mild eye irritation.

#### Ingestion

Acute : Aspiration hazard - small amounts of liquid aspirated into the lungs during ingestion or from vomiting may cause chemical pneumonitis or pulmonary edema.

#### Mutagenicity

: Prallethrin is not a mutagen. N-octyl bicycloheptene dicarboximide was concluded to be negative in the CHO chromosome aberration assay. (s)-Methoprene has been tested and found negative for mutagenicity potential. Etofenprox has been found negative for mutagenicity potential using the Ames test, chromosomal aberration and micronucleus test methods.

#### Carcinogenicity

: Prallethrin is not classified as carcinogen by NTP, IARC and OSHA. N-octyl bicycloheptene dicarboximide is not listed by IARC, NTP, OSHA or ACGIH as a carcinogen. (s)-Methoprene is not classified as a carcinogen by NTP, IARC or OSHA. Etofenprox is not classified as carcinogen by NTP, IARC and OSHA.

#### Reproductive Effects

: Prallethrin is not a reproductive toxicant. N-octyl bicycloheptene dicarboximide has been tested and is not a reproductive toxin. (s)-Methoprene is not a reproductive toxin and does not cause birth defects. Etofenprox did not produce teratogenic or reproductive effects in laboratory experiments.

## SECTION 12: Ecological information

### 12.1. Toxicity

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<b>Prallethrin (23031-36-9)</b>	
LC50 Acute fish 1	0.012 mg/l (Exposure time: 96h - Rainbow trout)
LC50 Acute fish 2	0.022 mg/l (Exposure time: 96h - Blue gill)
LC50 Acute fish 3	0.026 mg/l (Exposure time: 96h - Sheepshead minnow)
EC50 Daphnia 1	0.0062 mg/l (Exposure time: 48h - Daphnia magna)
NOEC Chronic fish 1	0.003 mg/l (Rainbow trout)
NOEC Chronic fish 2	0.003 mg/l Rainbow trout
NOEC Chronic crustacea 1	0.00065 mg/l (Daphnia magna)

<b>N-Octyl Bicycloheptene Dicarboximide (113-48-4)</b>	
LC50 Acute fish 1	1.4 - 2.4 mg/l
LC50 Acute crustacea 1	2.3 mg/l (Exposure time: 48h - Daphnia magna)

<b>(s)-Methoprene Technical (65733-16-6)</b>	
LC50 Acute fish 1	0.76 mg/l (Exposure time: 96h - Rainbow trout)
LC50 Acute fish 2	> 0.37 mg/l (Exposure time: 96h - Blue gill)
LC50 Acute crustacea 1	0.11 mg/l (Exposure time: 96h - Mysid shrimp)
LC50 Acute crustacea 2	0.36 mg/l (Exposure time: 48h - Daphnia magna)
NOEC Chronic fish 1	0.048 mg/l (Fathead minnow)
NOEC Chronic crustacea 1	0.014 mg/l (Mysid shrimp)

<b>Etofenprox (80844-07-1)</b>	
LC50 Acute fish 1	0.0027 mg/l (Exposure time: 96h - Rainbow trout)
LC50 Acute fish 2	> 0.0165 (Exposure time: 96h - Sheepshead minnow)
LC50 Acute crustacea 1	0.0000188 mg/l (Exposure time: 96h - Mysid shrimp)
LC50 Acute crustacea 2	0.0008 mg/l (Exposure time: 48h - Daphnia magna)
NOEC Chronic crustacea 1	0.00017 mg/l (Daphnia magna)

### 12.2. Persistence and degradability

<b>(s)-Methoprene Technical (65733-16-6)</b>	
Persistence and degradability	(s)-Methoprene degrades rapidly in sunlight, both in water and on inert surfaces. The pesticide also is metabolized rapidly in soil and does not leach. Thus, it should not persist in soil or contaminate ground water.

<b>Etofenprox (80844-07-1)</b>	
Persistence and degradability	Etofenprox is not readily biodegradable.

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

<b>(s)-Methoprene Technical (65733-16-6)</b>	
Mobility in soil	Rapidly metabolized in soil under both aerobic and anaerobic conditions (half-life 10-14 days).

### 12.5. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Product/Packaging disposal recommendations : Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

## SECTION 14: Transport information

	UN number	Proper Shipping Name	Transport hazard class(es)	Packing group	Environmental hazards
<b>DOT</b>	UN1950	Aerosols	2.1	Not applicable	Not applicable

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<b>IMDG</b>	UN1950	Aerosols, flammable (contains Etofenprox, Prallethrin)	2.1	Not applicable	Marine pollutant
<b>IATA</b>	UN1950	Aerosols, flammable (contains Etofenprox, Prallethrin)	2.1	Not applicable	Acute aquatic toxicity

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

##### Distillates (petroleum), hydrotreated light (64742-47-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

##### Propane-butane mixture (68476-86-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

##### FIFRA Labelling

EPA Registration Number

2724-809-270

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

FIFRA Signal word

**Caution**

FIFRA Precautionary Statement

KEEP OUT OF REACH OF CHILDREN.

FIFRA Hazards to Humans and Domestic Animals

Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Repeated exposure to etofenprox can cause skin irritation.

FIFRA First Aid

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. Call a poison control center or doctor for treatment advice.

FIFRA Physical Hazard

Contents under pressure. Do not use or store near heat or open flame. Do not puncture or incinerate. Exposure to temperatures above 130° F may cause bursting. Do not smoke while using this product. Do not allow product to freeze.

#### 15.2. US State regulations

No additional information available

### SECTION 16: Other information

Date of issue : 28 January 2015

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SDS US (GHS HazCom 2012) - CGP

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