

# Adams Plus Flea & Tick Prevention Spot On For Dogs

## Safety Data Sheet

Date of issue: 12/13/2019

Version: 1.0

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Trade name : Adams Plus Flea & Tick Prevention Spot On For Dogs  
Synonyms : EPA Reg. No.: 2724-842-89459; RF2236 CDSO-N1 for Dogs, 100542202, 100542203, 100542204, 100542205

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

Recommended use : Insecticide.  
Restrictions on use : Keep out of reach of children. Avoid contact with eyes, skin or clothing.

#### 1.3. Supplier

Central Garden & Pet Company  
1501 E. Woodfield Road, Suite 200W  
Schaumburg, IL 60173 - United States

www.adamspetcare.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

Serious eye damage/eye irritation Category 2A Causes serious eye irritation

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

##### GHS US labeling

Hazard pictograms (GHS US) :



GHS07

Signal word (GHS US) : Warning  
Hazard statements (GHS US) : Causes serious eye irritation  
Precautionary statements (GHS US) : Wash hands, forearms and face thoroughly after handling.  
Wear protective gloves/protective clothing/eye protection/face protection.  
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/attention.

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

Other hazards not contributing to the classification : This product is toxic to fish. 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

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Name	Product identifier	%
Etofenprox	(CAS-No.) 80844-07-1	55
Piperonyl butoxide	(CAS-No.) 51-03-6	10
N-Octyl Bicycloheptene Dicarboximide	(CAS-No.) 113-48-4	1
Pyriproxyfen	(CAS-No.) 95737-68-1	0.5
* Trade secret	(CAS-No.) Trade Secret	Trade secret
Non-hazardous and/or does not meet criteria for classification	(CAS-No.) N/A	Balance

Comments : \* The specific chemical identity and exact percentage (concentration) has been withheld as a trade secret

### 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 eye contact : Causes eye irritation.

#### 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

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

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

- 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

##### 6.1.1. For non-emergency personnel

- Emergency procedures : Avoid contact with skin and eyes. Do not touch or walk on the spilled product. Wear appropriate personal protective equipment, avoid direct contact.

##### 6.1.2. For emergency responders

- Protective equipment : Positive pressure self-contained breathing apparatus (SCBA).
- Emergency procedures : Ventilate area. Stop leak if safe to do so. Do NOT wash away into sewer. Avoid release to the environment.

#### 6.2. Environmental precautions

Avoid release to the environment.

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

- Methods for cleaning up : Absorb spills with an inert material, clay granules or other inert absorbent material and put in container for disposal. Wear appropriate personal protective equipment, avoid direct contact.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.
- Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

Storage conditions	: Store in a well-ventilated place. Keep cool. Store in a dry place. Avoid excess heat. Keep only in original container. Keep container tightly closed.
Incompatible materials	: Strong acids. Strong bases. Strong oxidizers.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 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:

Not required for normal conditions of use

#### Skin and body protection:

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

#### Respiratory protection:

Not required for normal conditions of use



## SECTION 9: Physical and chemical properties

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

Physical state	: Liquid
Appearance	: Pale yellow liquid
Color	: Pale yellow
Odor	: Weak, neutral, citrus-like
Odor threshold	: No data available
pH	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 180°C (356°F) PMCC
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	: 1.02
Solubility	: Insoluble
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available

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Viscosity, kinematic	: No data available
Viscosity, dynamic	: 45 cPs @ 20°C / 17 cPs @ 40°C
Explosion limits	: No data available
Explosive properties	: Not explosive
Oxidizing properties	: Not applicable

### 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. Hazardous polymerization will not occur.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 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.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Etofenprox (80844-07-1)	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 5.88 mg/l/4h
Piperonyl butoxide (51-03-6)	
LD50 oral rat	4300 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 5 mg/l/4h
N-Octyl Bicycloheptene Dicarboximide (113-48-4)	
LD50 oral rat	5000 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
LC50 inhalation rat (mg/l)	1.98 mg/l/4h
Pyriproxyfen (95737-68-1)	
LD50 oral rat	5004 mg/kg
LD50 dermal	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 11.07 mg/l

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	Causes serious eye irritation.
Respiratory or skin sensitization	Not classified
Germ cells mutagen	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
Specific target organ toxicant (single exposure)	Not classified

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Specific target organ toxicant (repeated exposure)	Not classified
Aspiration hazard	Not classified

### Potential health effects

#### Inhalation

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

#### Skin

Acute : May cause mild skin irritation.

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

#### Eye

Acute : Causes eye irritation.

#### Ingestion

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

#### Mutagenicity

: Etofenprox has been found negative for mutagenicity potential using the Ames test, chromosomal aberration and micronucleus test methods. Piperonyl butoxide was not mutagenic in a battery of tests. N-octyl bicycloheptene dicarboximide was concluded to be negative in the CHO chromosome aberration assay. Pyriproxyfen is not a mutagen.

#### Carcinogenicity

: Etofenprox is not classified as carcinogen by NTP, IARC and OSHA. Piperonyl butoxide 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. Pyriproxyfen is not classified as a carcinogen by IARC, NTP or OSHA.

#### Reproductive Effects

: Etofenprox did not produce teratogenic or reproductive effects in laboratory experiments. Piperonyl butoxide did not produce any birth defects or adverse effects on reproductive parameters in tests with rats and rabbits. N-octyl bicycloheptene dicarboximide has been tested and is not a reproductive toxin. Pyriproxyfen does not cause birth defects or adverse effects on reproduction.

## SECTION 12: Ecological information

### 12.1. Toxicity

Etofenprox (80844-07-1)	
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)
Piperonyl butoxide (51-03-6)	
LC50 Acute fish 1	1.9 mg/l (Exposure time: na - Rainbow trout)
LC50 Acute fish 2	3.94 mg/l (Exposure time: na - Sheepshead minnow)
LC50 Acute crustacea 1	0.49 mg/l (Exposure time: na - Mysid shrimp)
LC50 Acute crustacea 2	0.51 mg/l (Exposure time: na - Gammarus fasciatus (amphipod))
NOEC Chronic fish 1	0.04 mg/l (Fathead minnow)
NOEC Chronic crustacea 1	0.03 mg/l (Daphnia magna)
N-Octyl Bicycloheptene Dicarboximide (113-48-4)	
LC50 Acute fish 1	1.4 - 2.4 mg/l
LC50 Acute crustacea 1	2.3 mg/l (Exposure time: 48h - Daphnia magna)
Pyriproxyfen (95737-68-1)	
LC50 Acute fish 1	> 0.325 mg/l (Exposure time: 96h - Rainbow trout)
LC50 Acute fish 2	> 0.27 mg/l (Exposure time: 96h - Blue gill)
LC50 Acute fish 3	> 1.02 mg/l (Exposure time: 96h - Sheepshead minnow)
LC50 Acute crustacea 1	> 0.092 mg/l (Exposure time: 96h - Mysid shrimp)
LC50 Acute crustacea 2	0.4 mg/l (Exposure time: 48h - Daphnia magna)
NOEC Chronic fish 1	0.09 mg/l (Rainbow trout)

### 12.2. Persistence and degradability

Etofenprox (80844-07-1)	
Persistence and degradability	Etofenprox is not readily biodegradable.

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### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

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Ecological Fate	This product is toxic to fish.
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## 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>	Not regulated	Not regulated	Not regulated	Not regulated	Not applicable
<b>IMDG</b>	UN3082	Packaging greater than 5 L: Environmentally Hazardous Substance, Liquid, N.O.S. (Etofenprox, N-Octyl- Bicycloheptene Dicarboximide)	9	III	Marine pollutant
<b>IATA</b>	UN3082	Packaging greater than 5 L: Environmentally Hazardous Substance, Liquid, N.O.S. (Etofenprox, N-Octyl- Bicycloheptene Dicarboximide)	9	III	Acute aquatic toxicity

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

#### Piperonyl butoxide (51-03-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory  
Subject to reporting requirements of United States SARA Section 313

SARA Section 313 - Emission Reporting	1 %
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#### \* Trade secret (Trade Secret)

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

EPA TSCA Regulatory Flag	P - P - indicates a commenced Premanufacture Notice (PMN) substance.
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#### FIFRA Labelling

EPA Registration Number	2724-842-89459
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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 Precautionary Statement	KEEP OUT OF REACH OF CHILDREN.
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FIFRA Hazards to Humans and Domestic Animals	HAZARDS TO HUMANS CAUTION: Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco or using the toilet. HAZARDS TO DOMESTIC ANIMALS DO NOT USE ON OTHER ANIMALS. This product is not a substitute for a prescribed heartworm preventative. Do not use on dogs or puppies less than 12 weeks of age. Do not use on dogs or puppies weighing less than [5] [15] [31] [61] lbs. Do not use this product on debilitated, aged, medicated, pregnant or nursing dogs or on dogs/puppies known to be sensitive to pesticide products without first consulting a veterinarian. Sensitivity, such as slight transitory redness of the skin at the site of application, may occur after using ANY pesticide product for pets. If signs of sensitivity occur, bathe your pet with mild soap, rinse with large amounts of water, and consult a veterinarian immediately.
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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 eye. Call a poison control center or doctor for treatment advice. If on skin: 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.
FIFRA Environmental Hazards	This product is toxic to fish.

### 15.2. US State regulations

No additional information available

## SECTION 16: Other information

Date of issue : 13 December 2019

SDS US (GHS HazCom 2012) - CGP

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