



# Zodiac Spot On Plus Flea & Tick Control for Cats & Kittens Over 3 lbs. But Less Than 5 lbs., Zodiac Spot On Plus Flea & Tick Control for Cats & Kittens 5 lbs. & Over

## Safety Data Sheet

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### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Trade name : Zodiac Spot On Plus Flea & Tick Control for Cats & Kittens Over 3 lbs. But Less Than 5 lbs.,  
Zodiac Spot On Plus Flea & Tick Control for Cats & Kittens 5 lbs. & Over  
Synonyms : 100519215, 100505298, EPA Reg. No.: 2724-504, RF2004 (CCSO)

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

Recommended use : Insect growth regulator.  
Restrictions on use : Avoid contact with skin and eyes. Keep out of reach of children.

#### 1.3. Supplier

Wellmark International  
1501 E. Woodfield Road, Suite 200W  
Schaumburg, IL 60173 - United States  
www.zodiacpet.com

#### 1.4. Emergency telephone number

Emergency number : 1-800-950-4783  
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

Not classified

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

##### GHS US labeling

No labeling applicable

#### 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 not 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	%
(s)-Methoprene Technical	(CAS-No.) 65733-16-6	3.6
Etofenprox	(CAS-No.) 80844-07-1	40
Other ingredients	(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.

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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)

No additional information available

### 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	: Water spray. Dry powder. Foam. Carbon dioxide.
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.
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### 5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions	: Do not allow fire fighting water to escape into waterways or sewers.
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	: 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	: No emergency procedures are expected to be necessary if material is used under ordinary conditions as recommended.

### 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.
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## 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.

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

Storage conditions	: Keep only in original container. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid extreme temperatures. 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

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### 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:

Wear protective gloves

#### Eye protection:

Not required for normal conditions of use

#### Skin and body protection:

Wear suitable protective clothing

#### 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	: Pleasant, weak intensity, fruit-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	: 113° C (235.4° F)
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	: 0.99
Solubility	: No data available
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: 0.036 Pascal-sec (Pa.s, Pas) @ 20° C (68° F)
Explosion limits	: No data available
Explosive properties	: Not explosive
Oxidizing properties	: Not applicable

### 9.2. Other information

No additional information available

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### 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.

#### 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

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LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 5000 mg/kg

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)	Not classified
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 : Under normal conditions of use, no health effects are expected.

Chronic : Repeated exposure to etofenprox can cause skin irritation.

##### Eye

Acute : May cause minimal irritation.

##### Ingestion

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

**Mutagenicity** : (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** : (s)-Methoprene is not classified as carcinogen by NTP, IARC and OSHA. Etofenprox is not classified as carcinogen by NTP, IARC and OSHA.

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**Reproductive Effects** : (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

<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>	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, Methoprene)	9	III	Marine pollutant
<b>IATA</b>	UN3082	Packaging greater than 5 L: Environmentally Hazardous substance, Liquid, N.O.S. (Etofenprox, Methoprene)	9	III	Acute aquatic toxicity

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### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

FIFRA Labelling	
EPA Registration Number	2724-504
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.
FIFRA Hazards to Humans and Domestic Animals	HAZARDS TO HUMANS: Repeated exposure to etofenprox can cause skin irritation. HAZARDS TO ANIMALS: For External Use on Cats Only. Do not use on kittens less than 12 weeks old or less than [3 pounds] [5 pounds]. This product is not a substitute for a prescribed heartworm preventative. Consult a veterinarian before using this product on debilitated, aged, pregnant or nursing animals. Certain medications can interact with pesticides. Consult a veterinarian before using on medicated animals. Sensitivities may occur after using ANY pesticide product for pets. If signs of sensitivity occur, bathe your cat/kitten with mild soap and rinse with large amounts of water. If signs continue, [please call 1-800-phone number or] consult a veterinarian immediately. Due to the bitter taste of the product, oral exposure could result in salivation. Be careful not to get any product in the cat's mouth during application. For multiple cat households, do not let the cats groom each other until the product has dried. If the salivation continues or other clinical signs are noted, please call 1-800-number.

#### 15.2. US State regulations

No additional information available

### SECTION 16: Other information

Date of issue	: 15 August 2014
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SDS US (GHS HazCom 2012) - CGP

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