

Safety Data Sheet



Section 1: Identification

Product identifier

Product Name

- **Zodiac® Spot On® Plus Flea & Tick Control for Cats & Kittens Under 5 lbs, 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 5 lbs. & Over**

Synonyms

- 100505297; 100505298; 100519215; 540020; 54430; 77750; 77760; EPA Reg. No.: 2724-504

Product Description

- Pale yellow liquid.

Relevant identified uses of the substance or mixture and uses advised against

Recommended use

- Flea and tick control; Insecticide Pesticide

Restrictions on use

- Do not use on kittens less than 12 weeks old. Avoid release to the environment. Keep out of reach of children and pets.

Details of the supplier of the safety data sheet

Manufacturer

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

Emergency telephone number

Manufacturer (Transportation) • 1-800-424-9300 - CHEMTREC

Manufacturer (Transportation) • 1-703-527-3887 - CHEMTREC - outside North America - Collect Calls Accepted

Manufacturer • 1-800-950-4783

Section 2: Hazard Identification

United States (US)

According to OSHA 29 CFR 1910.1200 HCS

Classification of the substance or mixture

OSHA HCS 2012 • Does not meet hazard criteria

Label elements

OSHA HCS 2012

Hazard statements • No label element(s) required

Other hazards

OSHA HCS 2012

- Does not meet hazard criteria.

See Section 12 for Ecological Information.

Section 3 - Composition/Information on Ingredients

Substances

- Material does not meet the criteria of a substance.

Mixtures

Composition		
Chemical Name	Identifiers	%
S-Methoprene	CAS:65733-16-6	3.6%
Etofenprox	CAS:80844-07-1	40%
Other ingredients	NDA	56.4%

See Section 11 for Toxicological Information.

Section 4: First-Aid Measures

Description of first aid measures

Inhalation

- IF INHALED: If breathing is difficult, remove person to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms occur. If signs/symptoms continue, get medical attention.

Skin

- Call poison control center or doctor for treatment advice. IF ON SKIN: Wash with plenty of soap and water.

Eye

- In case of contact with substance, immediately flush eyes with running water for at least 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. If eye irritation persists: Get medical advice/attention.

Ingestion

- Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything by mouth to an unconscious person. Have person sip a glass of water if able to swallow. If ingested, call control center or doctor immediately for treatment advice.

Most important symptoms and effects, both acute and delayed

- Refer to Section 11 - Toxicological Information.

Indication of any immediate medical attention and special treatment needed

Notes to Physician

- Treat symptomatically and supportively.

Section 5: Fire-Fighting Measures

Extinguishing media

Suitable Extinguishing Media

- LARGE FIRE: Water spray, fog or regular foam.
SMALL FIRES: Dry chemical, CO2, water spray or regular foam.

Unsuitable Extinguishing Media

- None known.

Firefighting Procedures

- Do not allow fire fighting water to escape into waterways or sewers.

Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards

- None known.

Hazardous Combustion Products

- Carbon dioxide and possibly carbon monoxide.

Advice for firefighters

- Wear positive pressure self-contained breathing apparatus (SCBA). Do not allow run-off to enter waterways.

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions

- Ventilate enclosed areas. Use appropriate Personal Protective Equipment (PPE)

Emergency Procedures

- No emergency procedures are expected to be necessary if material is used under ordinary conditions as recommended.

Environmental precautions

- Prevent entry into waterways, sewers, basements or confined areas. Avoid release to the environment.

Methods and material for containment and cleaning up

Containment/Clean-up Measures

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

Section 7 - Handling and Storage

Precautions for safe handling

Handling

- Avoid contact with skin or eyes. Use only with adequate ventilation. Wash thoroughly after handling. Wear appropriate personal protective equipment, avoid direct contact.

Conditions for safe storage, including any incompatibilities

Storage

- Keep this product in its original container when not in use. Store in a cool, dry area that is inaccessible to children and pets.

Section 8 - Exposure Controls/Personal Protection

Control parameters

Exposure controls

Engineering Measures/Controls

- Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values.

Personal Protective Equipment

Pictograms



Respiratory

- Not required with normal use.

Eye/Face

- If prolonged exposure is anticipated, it is recommended for handlers to wear goggles.

Hands

- Wear appropriate gloves.

Skin/Body

- Not required with normal use.

Environmental Exposure Controls

- Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release and release to waterways. Refer to Section 13 - Disposal Considerations.

Section 9 - Physical and Chemical Properties

Information on Physical and Chemical Properties

Material Description			
Physical Form	Liquid	Appearance/Description	Pale yellow liquid.
Color	Pale yellow.	Odor	Pleasant odor with weak intensity, fruit-like.
Odor Threshold	No data available		
General Properties			
Boiling Point	No data available	Melting Point	No data available
Decomposition Temperature	No data available	pH	Not relevant
Specific Gravity/Relative Density	0.99 Water=1	Water Solubility	No data available
Viscosity	0.036 Pascal-sec (Pa.s, Pas) @ 20 C(68 F)		
Volatility			
Vapor Pressure	No data available	Vapor Density	No data available
Evaporation Rate	No data available		
Flammability			
Flash Point	113 C(235.4 F)	UEL	No data available
LEL	No data available	Autoignition	No data available
Flammability (solid, gas)	No data available		
Environmental			
Octanol/Water Partition coefficient	No data available		

Section 10: Stability and Reactivity

Reactivity

- No dangerous reaction known under conditions of normal use.

Chemical stability

- Stable under normal temperatures and pressures.

Possibility of hazardous reactions

- Hazardous polymerization will not occur.

Conditions to avoid

- None known.

Incompatible materials

- Strong oxidizers.

Hazardous decomposition products

- Carbon dioxide and possibly carbon monoxide.

Section 11 - Toxicological Information

Information on toxicological effects

	CAS	
Zodiac® Spot On® Plus Flea & Tick Control for Cats & Kittens Under 5 lbs, 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 5 lbs. & Over	N/A	Acute Toxicity: Ingestion/Oral-Rat LD50 • >5000 mg/kg; Skin-Rat LD50 • >5000 mg/kg

GHS Properties	Classification
Acute toxicity	OSHA HCS 2012 • Acute Toxicity - Dermal - Classification criteria not met; Acute Toxicity - Inhalation - Classification criteria not met; Acute Toxicity - Oral - Classification criteria not met
Aspiration Hazard	OSHA HCS 2012 • Classification criteria not met
Carcinogenicity	OSHA HCS 2012 • Classification criteria not met
Germ Cell Mutagenicity	OSHA HCS 2012 • Classification criteria not met
Skin corrosion/Irritation	OSHA HCS 2012 • Classification criteria not met
Skin sensitization	OSHA HCS 2012 • Classification criteria not met
STOT-RE	OSHA HCS 2012 • Classification criteria not met
STOT-SE	OSHA HCS 2012 • Classification criteria not met
Toxicity for Reproduction	OSHA HCS 2012 • Classification criteria not met
Respiratory sensitization	OSHA HCS 2012 • Classification criteria not met
Serious eye damage/Irritation	OSHA HCS 2012 • Classification criteria not met

Route(s) of entry/exposure • Inhalation, Skin, Eye, Ingestion.

Potential Health Effects

Inhalation

Acute (Immediate) • No data available.

Chronic (Delayed) • No data available.

Skin

Acute (Immediate) • No data available.

Chronic (Delayed) • Repeated exposure to etofenprox can cause skin irritation.

Eye

Acute (Immediate) • May cause minimal irritation.

Chronic (Delayed) • No data available.

Ingestion

Acute (Immediate) • No data available.

Chronic (Delayed) • No data available.

Section 12 - Ecological Information

Toxicity

Component	CAS	Data
Etofenprox (40%)	80844-07-1	Crustacea: 96 Hour(s) LC50 Crustacea .0000188 mg/L ; 48 Hour(s) LC50 Water Flea .0008 mg/L ; NOEC Water Flea .00017 mg/L ; Fish: 96 Hour(s) LC50 Fish .0165 mg/L ; 96 Hour(s) LC50 Fish .0027 mg/L

S-Methoprene (3.6%)	65733-16-6	Crustacea: NOEC Crustacea .014 mg/L [Chronic]; 48 Hour(s) LC50 Crustacea .36 mg/L [Acute]; Fish: 96 Hour(s) LC50 Fish .76 mg/L [Acute]; 96 Hour(s) LC50 Fish .37 mg/L [Acute]; NOEC Fish .048 mg/L [Chronic]
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Persistence and degradability

- Material data lacking.

Bioaccumulative potential

- Material data lacking.

Mobility in Soil

- Material data lacking.

Results of PBT and vPvB assessment

- No PBT and vPvB assessment has been conducted.

Other adverse effects

- No studies have been found.

Potential Environmental Effects

- Toxic to aquatic organisms, bees, silkworms and other domestic insects.

Section 13 - Disposal Considerations

Waste treatment methods

Product waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations. Do not allow into any sewer on the ground, or into any body of water.

Packaging waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations. Do not reuse or refill container.

Section 14 - Transport Information

	UN number	UN proper shipping name	Transport hazard class(es)	Packing group	Environmental hazards
DOT	None	Consumer Commodity	N/A	N/A	N/A
	UN3082	Environmentally Hazardous Substance, Liquid, n.o.s. (contains Etofenprox and S-Methoprene)	9	III	Marine Pollutant
IMO/IMDG	UN3082	Environmentally Hazardous Substance, Liquid, n.o.s. (contains Etofenprox and S-Methoprene)	9	III	Marine Pollutant
IATA/ICAO	UN3082	Environmentally Hazardous Substance, Liquid, n.o.s. (contains Etofenprox and S-Methoprene)	9	III	Acute Aquatic Toxicity

Special precautions for user

- None specified.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

- Not relevant.

Other information

IMO/IMDG • Limited quantity 5L, excepted quantity 30mL

IATA/ICAO • Limited quantity 5L, excepted quantity 30mL

Section 15 - Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Hazard Classifications • Acute

FIFRA – Pesticide Labeling

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.

Precautionary Statements • Keep out of reach of children.

Hazards to Humans and Domestic Animals • **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. 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 pet's mouth during application. For multiple cat households, prevent the cats from grooming each other until the product has dried. If the salivation continues or other clinical signs are noted, please call 1-800-number.

Inventory		
Component	CAS	TSCA
Etofenprox	80844-07-1	No
S-Methoprene	65733-16-6	No

Section 16 - Other Information

Last Revision Date • 12/September/2014

Preparation Date • 15/August/2014

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Key to abbreviations

NDA = No Data Available