



Safety Data Sheet

Section 1: Identification

Product identifier

Product Name • **Zodiac Flea & Tick Dip For Dogs & Cats**

Synonyms • 100518515; EPA Reg. No.: 1021-2684-89459

Product Description • Milky white liquid pesticide.

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

Recommended use • For control of fleas, ticks and lice on dogs and cats

Restrictions on use • Do not contaminate animal feed or water during application; KEEP OUT OF THE REACH OF CHILDREN; Avoid contact with skin and eyes. Avoid release to the environment.

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 • 1-703-527-3887 - CHEMTREC - Outside North America - Collect Calls Accepted

Manufacturer • 1-800-424-9300 - CHEMTREC

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 • This product is not considered hazardous under the U.S. OSHA 29 CFR 1910.1200 Hazard Communication Standard.

Section 3 - Composition/Information on Ingredients

Substances

- Material does not meet the criteria of a substance.

Mixtures

Composition		
Chemical Name	Identifiers	%
Pyrethrin	CAS:8003-34-7	0.3%
Piperonyl butoxide	CAS:51-03-6	3%
Other ingredients	NDA	96.7%

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 persist.
- Skin**
- If skin irritation occurs: Get medical advice/attention. Wash skin with soap and water.
- Eye**
- Get medical attention if symptoms occur. If contact with eyes directly, flush with gently flowing fresh water thoroughly.
- Ingestion**
- Do not induce vomiting unless told to by a poison control center or doctor. Call a physician or poison control center. Have person sip a glass of water if able to swallow. Never give anything by mouth to an unconscious person.

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**
- Water, CO2 or dry chemical.

- Unsuitable Extinguishing Media**
- None known.

- Firefighting Procedures**
- Do not allow fire fighting water to escape into waterways or sewers. Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

Special hazards arising from the substance or mixture

- Unusual Fire and Explosion Hazards**
- Combustible liquid.

- Hazardous Combustion Products**
- Combustible liquid - may produce carbon dioxide, carbon monoxide, nitrogen oxides, ammonia, sulfur oxides.

Advice for firefighters

- Do not allow run-off to enter waterways.

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

- Personal Precautions** • No data available.
- Emergency Procedures** • No emergency procedures are expected to be necessary if material is used under ordinary conditions as recommended.

Environmental precautions

- Do NOT wash away into sewer. Avoid release to the environment.

Methods and material for containment and cleaning up

- Containment/Clean-up Measures** • Absorb spills with an inert material, clay granules or other inert absorbent material and put in container for disposal.

Section 7 - Handling and Storage

Precautions for safe handling

- Handling** • Use good safety and industrial hygiene practices. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

Conditions for safe storage, including any incompatibilities

- Storage** • Store in cool, dry, secure place. Keep out of reach of children.

Section 8 - Exposure Controls/Personal Protection

Control parameters

- Exposure Limits/Guidelines** • No data available.

Exposure Limits/Guidelines				
	Result	ACGIH	NIOSH	OSHA
Pyrethrin (8003-34-7)	TWAs	5 mg/m3 TWA	5 mg/m3 TWA	5 mg/m3 TWA

Exposure Limits Supplemental

- ACGIH**
- Pyrethrin (8003-34-7): **TLV Basis - Critical Effects:** (liver damage; lower respiratory tract irritation)

Exposure controls

- Engineering Measures/Controls** • Use adequate ventilation to remove vapors (fumes, dust etc)

Personal Protective Equipment

Pictograms



Respiratory

- Not required with normal use.

Eye/Face

- Not required with normal use.

Hands

- Wear appropriate gloves.

Skin/Body

- Not required with normal use.

Environmental Exposure Controls

- 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	Milky white liquid.
Color	Milky white.	Odor	Mild petroleum solvent.
Odor Threshold	No data available		
General Properties			
Boiling Point	No data available	Melting Point	No data available
Decomposition Temperature	No data available	pH	No data available
Specific Gravity/Relative Density	= 0.999	Density	No data available
Water Solubility	Not soluble	Viscosity	< 100 Centipoise (cPs, cP) or mPas
Volatility			
Vapor Pressure	No data available	Vapor Density	No data available
Evaporation Rate	No data available		
Flammability			
Flash Point	No data available	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 data available.

Chemical stability

- Stable

Possibility of hazardous reactions

- Hazardous polymerization will not occur.

Conditions to avoid

- No data available.

Incompatible materials

- Store away from oxidizers.

Hazardous decomposition products

- Carbon dioxide, carbon monoxide, nitrogen oxides, ammonia, sulfur oxides.

Section 11 - Toxicological Information

Information on toxicological effects

GHS Properties	Classification
	OSHA HCS 2012 • Acute Toxicity - Dermal - Classification criteria not met; Acute

Acute toxicity	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 • Not classified - data lacking
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

Potential Health Effects

Inhalation

- Acute (Immediate)**
 - Under normal conditions of use, no health effects are expected.
- Chronic (Delayed)**
 - Under normal conditions of use, no health effects are expected.

Skin

- Acute (Immediate)**
 - Under normal conditions of use, no health effects are expected.
- Chronic (Delayed)**
 - Prolonged or frequent repeated skin exposure may cause allergic reactions some individuals.

Eye

- Acute (Immediate)**
 - May cause moderate irritation.
- Chronic (Delayed)**
 - Under normal conditions of use, no health effects are expected.

Ingestion

- Acute (Immediate)**
 - Under normal conditions of use, no health effects are expected.
- Chronic (Delayed)**
 - Under normal conditions of use, no health effects are expected.

Section 12 - Ecological Information

Toxicity

Component	CAS	Data
Pyrethrin (0.3%)	8003-34-7	Crustacea: NOEC Crustacea 0.00086 mg/L [Chronic]; NOEC Crustacea 0.0001 mg/L [Estimated chronic]; 96 Hour(s) LC50 Crustacea 0.0014 mg/L [Acute]; 48 Hour(s) LC50 Water Flea 0.0116 mg/L [Acute]; Fish: 96 Hour(s) LC50 Fish 0.0051 mg/L [Acute]; 96 Hour(s) LC50 Fish 0.016 mg/L [Acute]; 96 Hour(s) NOEC Fish 0.0019 mg/L [Chronic]; NOEC Fish 0.0059 mg/L [estimated chronic]
Piperonyl butoxide (3%)	51-03-6	Crustacea: Crustacea 0.047 mg/L [Chronic LOEC]; 48 Hour(s) LC50 Crustacea 0.51 mg/L [Acute]; 48 Hour (s) LC50 Crustacea 0.49 mg/L [Acute]; NOEC Crustacea 0.03 mg/L [Chronic]; Fish: 96 Hour(s) LC50 Fish 1.9 mg/L [Acute]; 96 Hour(s) LC50 Fish 3.94 mg/L [Acute]; NOEC Fish 0.04 mg/L [Chronic]; Fish 0.11 mg/L [Chronic LOEC]

Persistence and degradability

- No data available.

Bioaccumulative potential

- No data available.

Mobility in Soil

- No data available.

Other adverse effects**Ecological Fate**

- No data available.

Potential Environmental Effects

- No data available.

Section 13 - Disposal Considerations**Waste treatment methods****Product waste**

- Do not contaminate water or food by disposal. Do not reuse empty container. Wrap in several layers of newspapers and discard in trash. Never place unused product down any indoor or outdoor drain.

Packaging waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations. Nonrefillable container. Do not reuse or refill this container. See product label for container disposal instructions.

Section 14 - Transport Information

	UN number	UN proper shipping name	Transport hazard class (es)	Packing group	Environmental hazards
DOT	N/A	Not Regulated	N/A	N/A	N/A
IMO/IMDG	N/A	Not Regulated	N/A	N/A	N/A
IATA/ICAO	N/A	Not Regulated	N/A	N/A	N/A

Special precautions for user

- None specified.

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

- No data available

Other information

IMO/IMDG • No data available

IATA/ICAO • No data available

N/A = Not applicable.

Section 15 - Regulatory Information**Safety, health and environmental regulations/legislation specific for the substance or mixture**

SARA Hazard Classifications • SARA Title III Section 313, Chronic

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.

CAUTION**Precautionary Statements** •

Hazards to Humans and Domestic Animals • Caution: Hazards to Humans and Animals: Causes moderate eye irritation. Avoid contact with eyes or clothing. Prolonged or frequently repeated skin contact may

cause allergic reactions in some individuals. Wash hands thoroughly with soap and water after handling and before drinking, chewing gum or using tobacco.

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.

Inventory		
Component	CAS	TSCA
Piperonyl butoxide	51-03-6	Yes
Pyrethrin	8003-34-7	No

United States

Environment

U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

• Pyrethrin	8003-34-7	1 lb final RQ (listed under Pyrethrins); 0.454 kg final RQ (listed under Pyrethrins)
• Piperonyl butoxide	51-03-6	Not Listed

U.S. - CERCLA/SARA - Section 313 - Emission Reporting

• Pyrethrin	8003-34-7	Not Listed
• Piperonyl butoxide	51-03-6	1.0 % de minimis concentration

Section 16 - Other Information

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