

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Trade name : Zodiac FleaTrol Carpet & Upholstery Powder  
Synonyms : EPA Reg. No.: 2724-777, 28000C, Linalool Plus IGR Carpet Powder

#### 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.

#### 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

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 : 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	%
Linalool	(CAS-No.) 78-70-6	2.5
Piperonyl butoxide	(CAS-No.) 51-03-6	0.5
Pyrethrins	(CAS-No.) 8003-34-7	0.075
Pyriproxyfen	(CAS-No.) 95737-68-1	0.02
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.
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 : 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	: Dry chemical, CO <sub>2</sub> , or water spray or regular foam.
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 : Ventilate spillage area. Avoid contact with skin and eyes.

##### 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 : Evacuate unnecessary personnel. Avoid dust formation.

#### 6.2. Environmental precautions

Avoid release to the environment.

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

Methods for cleaning up : Use appropriate PPE. Sweep or scoop spills, dispose of any unusable material in approved landfill.

### 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.

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 cool. Store in a well-ventilated place. Keep container tightly closed.

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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

Pyrethrins (8003-34-7)		
ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
IDLH	US IDLH (mg/m <sup>3</sup> )	5000 mg/m <sup>3</sup>
NIOSH	NIOSH REL (TWA) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>

#### 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:

Safety glasses

##### Skin and body protection:

Wear suitable protective clothing

### SECTION 9: Physical and chemical properties

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

- Physical state : Solid
- Appearance : Off-white to beige powder
- Color : Off-white to beige
- Odor : Citrus
- Odor threshold : No data available
- pH : No data available
- Melting point : No data available
- Freezing point : Not applicable
- Boiling point : No data available
- Flash point : No data available
- Relative evaporation rate (butyl acetate=1) : No data available
- Flammability (solid, gas) : Non flammable.
- Vapor pressure : No data available
- Relative vapor density at 20 °C : No data available
- Relative density : No data available
- Bulk density : 1.34 g/cm<sup>3</sup> (83.6 lb/ft<sup>3</sup>)
- Solubility : Insoluble
- Log Pow : No data available
- Auto-ignition temperature : Not applicable
- Decomposition temperature : No data available
- Viscosity, kinematic : Not applicable
- Viscosity, dynamic : No data available
- Explosion limits : Not applicable
- Explosive properties : Not explosive
- Oxidizing properties : Not applicable

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### 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.

### 10.4. Conditions to avoid

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

### 10.5. Incompatible materials

No additional information available

### 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

Zodiac FleaTrol Carpet & Upholstery Powder	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rat	> 5000 mg/kg
LC50 inhalation rat (mg/l)	> 2.04 mg/l/4h

GHS-US Properties	Classification
Acute toxicity	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
Specific target organ toxicant (repeated exposure)	Not classified
Aspiration hazard	Not classified

### Potential health effects

#### Inhalation

Acute : May cause respiratory tract irritation.

#### Skin

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

#### Eye

Acute : Causes serious eye irritation.

#### Ingestion

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

#### Mutagenicity

: Linalool is not a mutagen, Piperonyl butoxide was not mutagenic in a battery of tests, Pyrethrins were not found to be genotoxic and did not damage DNA in any study conducted which included: Ames assay, chromosome aberration in Chinese hamster ovaries (CHO) cells and in the unscheduled DNA synthesis (UDS) assay in cultured human liver cells, Pyriproxyfen is not a mutagen.

#### Carcinogenicity

: Linalool is not classified as carcinogen by NTP, IARC and OSHA, Piperonyl butoxide is not classified as carcinogen by NTP, IARC and OSHA, Pyriproxyfen is not classified as a carcinogen by IARC, NTP or OSHA, Pyrethrins are not listed as a carcinogen by OSHA, IARC, or NTP.

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**Reproductive Effects** : Linalool is not a reproductive toxicant, Piperonyl butoxide did not produce any birth defects or adverse effects on reproductive parameters in tests with rats and rabbits, Pyrethrins did not produce any birth defects or adverse effects on reproductive parameters in tests with rats and rabbits, Pyriproxyfen does not cause birth defects or adverse effects on reproduction.

### SECTION 12: Ecological information

#### 12.1. Toxicity

<b>Linalool (78-70-6)</b>	
LC50 Acute fish 1	> 28.8 mg/l (Exposure time: na - Rainbow trout)
LC50 Acute fish 2	36.8 mg/l (Exposure time: 96h - Blue gill)
<b>Piperonyl butoxide (51-03-6)</b>	
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)
<b>Pyrethrins (8003-34-7)</b>	
LC50 Acute fish 1	0.0051 mg/l (Exposure time: 96h - Rainbow trout)
LC50 Acute fish 2	0.016 mg/l (Exposure time: 96h - Sheepshead minnow)
LC50 Acute crustacea 1	0.0014 mg/l (Exposure time: 96h - Mysid shrimp)
LC50 Acute crustacea 2	0.0116 (Exposure time: 48h - Daphnia magna)
NOEC Chronic fish 1	0.0019 mg/l (Fathead minnow)
NOEC Chronic fish 2	0.0059 mg/l (Sheepshead minnow - Estimated)
NOEC Chronic crustacea 1	0.00086 mg/l (Daphnia magna)
NOEC Chronic crustacea 2	0.0001 ml/l (Mysid shrimp - Estimated)
<b>Pyriproxyfen (95737-68-1)</b>	
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

<b>Pyrethrins (8003-34-7)</b>	
Persistence and degradability	Pyrethrins have low persistence in the environment due to rapid breakdown in presence of UV light.

#### 12.3. Bioaccumulative potential

No additional information available

#### 12.4. Mobility in soil

No additional information available

#### 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	Packing group	Environmental hazards
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			class(es)		
<b>DOT</b>	Not regulated	Non-bulk packaging: Not regulated	Not applicable	Not applicable	Pyrethrins RQ = 1 lb.
<b>IMDG</b>	UN3077	Packaging 5 kg or greater: Environmentally hazardous substance, solid, n.o.s (Deltamethrin and Pyriproxyfen)	9	III	Marine pollutant
<b>IATA</b>	UN3077	Packaging 5 kg or greater: Environmentally hazardous substance, solid, n.o.s (Deltamethrin and Pyriproxyfen)	9	III	Acute aquatic toxicity

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

##### Linalool (78-70-6)

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

##### 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 %

##### Pyrethrins (8003-34-7)

CERCLA RQ 1 lb listed under Pyrethrins

##### FIFRA Labelling

EPA Registration Number 2724-777

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 or smoking.

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. If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

#### 15.2. US State regulations

No additional information available

### SECTION 16: Other information

Date of issue : 01 November 2004  
Revision date : 12 December 2017  
Supersedes : 03 October 2006

SDS US (GHS HazCom 2012) - CGP

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