

## Safety Data Sheet



## Section 1: Identification

## Product identifier

## Product Name

- **Pyronyl 5% Insecticidal Spray**

## Synonyms

- 100522956; 100522957; 100522973; EPA Reg. No.: 89459-75

## Product Description

- Pale yellow to amber colored liquid.

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

## Recommended use

- Insecticide.

## Restrictions on use

- KEEP OUT OF THE REACH OF CHILDREN. Avoid contact with eyes, skin and clothing. Do not use or store near heat or open flame. Avoid release to the environment. Do not take internally.

## 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  
  
www.central.com

## Emergency telephone number

## Manufacturer

- 1-800-424-9300 - CHEMTREC

Manufacturer (Transportation) • 1-703-527-3887 - Chemtrec - Outside US collect calls accepted

## Manufacturer

- 1-800-248-7763

## Section 2: Hazard Identification

## United States (US)

According to: OSHA 29 CFR 1910.1200 HCS

## Classification of the substance or mixture

## OSHA HCS 2012

- Flammable Liquids 4  
Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects  
Skin Irritation 2  
Eye Irritation 2A  
Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation

## Label elements

## OSHA HCS 2012

**WARNING**



- Hazard statements** • Combustible liquid  
 May cause drowsiness or dizziness  
 Causes serious eye irritation  
 Causes skin irritation  
 May cause respiratory irritation

### Precautionary statements

- Prevention** • Wash thoroughly after handling.  
 Wear protective gloves/protective clothing/eye protection/face protection.  
 Avoid breathing dust, fume, gas, mist, vapors and/or spray.  
 Keep away from heat, sparks, open flames and/or hot surfaces. - No smoking.  
 Use only outdoors or in a well-ventilated area.
- Response** • In case of fire: Use appropriate media Water mist, CO2, foam or dry chemical for extinction.  
 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a poison control center or doctor if you feel unwell.  
 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.  
 IF ON SKIN: Wash with plenty of soap and water.  
 If skin irritation occurs: Get medical advice/attention.  
 Take off contaminated clothing and wash before reuse.
- Storage/Disposal** • Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.  
 Store in a well-ventilated place. Keep cool.  
 Store locked up.  
 Keep container tightly closed.

### Other hazards

#### OSHA HCS 2012

- This product is toxic to aquatic organisms, including fish and invertebrates. Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

## Section 3 - Composition/Information on Ingredients

### Substances

- Material does not meet the criteria of a substance.

### Mixtures

Composition		
Chemical Name	Identifiers	%
Pyrethrins	CAS:8003-34-7	5%
n-Butyl lactate	CAS:138-22-7	80%
Other ingredients	NDA	Balance

## 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 poison control center or doctor for further treatment advice.

### Skin

- IF ON SKIN: Wash with plenty of soap and water. If irritation or rash occurs, get medical advice/attention.

### Eye

- 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.

### Ingestion

- IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Get medical attention.

## Most important symptoms and effects, both acute and delayed

- Causes serious eye irritation, causes skin irritation, may cause drowsiness or dizziness and/or respiratory irritation if inhaled. 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

- Avoid heavy hose streams.

#### Firefighting Procedures

- Do not allow fire fighting water to escape into waterways or sewers.  
LARGE FIRES: Dike fire control water for later disposal; do not scatter the material.  
LARGE FIRES: Move containers from fire area if you can do it without risk.  
Stay upwind.  
Ventilate closed spaces before entering.  
Do not breathe gas/fumes/vapor/spray.

## Special hazards arising from the substance or mixture

#### Unusual Fire and Explosion Hazards

- Combustible liquid.  
Containers may explode when heated.  
Liquid will float and may re-ignite on surface of water.

#### Hazardous Combustion Products

- Combustible liquid - may produce carbon dioxide and/or carbon monoxide upon heating.

### Advice for firefighters

- Wear positive pressure self-contained breathing apparatus (SCBA).

## Section 6 - Accidental Release Measures

## Personal precautions, protective equipment and emergency procedures

### Personal Precautions

-

Do not walk through spilled material. Ventilate enclosed areas. Wear appropriate personal protective equipment, avoid direct contact.

**Emergency Procedures**

- ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Ventilate closed spaces before entering. Avoid release into the environment.

**Environmental precautions**

- LARGE SPILLS: Prevent entry into waterways, sewers, basements or confined areas.

**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.  
All equipment used when handling the product must be grounded.  
LARGE SPILLS: Dike far ahead of spill for later disposal.  
Stop leak if you can do it without risk.

**Section 7 - Handling and Storage**

**Precautions for safe handling**

**Handling**

- Keep away from fire - No Smoking. Avoid breathing fumes. Use only in well ventilated areas. Wear appropriate personal protective equipment, avoid direct contact.

**Conditions for safe storage, including any incompatibilities**

**Storage**

- Store locked up. Store in a cool/low-temperature, well-ventilated dry place away from heat and ignition sources. Keep from freezing. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F

**Incompatible Materials or Ignition Sources**

- Heat, sparks, open flame.

**Other Information**

- See product label for additional information.

**Section 8 - Exposure Controls/Personal Protection**

**Control parameters**

**Exposure Limits/Guidelines**

- No data available.

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

**Exposure Limits Supplemental**

**ACGIH**

- Pyrethrins (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**

- In case of insufficient ventilation, wear suitable respiratory equipment. Not required with normal use. However, mixers, loaders, applicators and other handlers must wear respiratory protection with P or R filters.

**Eye/Face**

- Wear chemical splash safety goggles.

**Hands**

- Wear appropriate gloves.

**Skin/Body**

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

**Environmental Exposure Controls**

- Refer to Section 13 - Disposal Considerations.

**Other Information**

- See product label for specific use PPE instructions.

**Section 9 - Physical and Chemical Properties****Information on Physical and Chemical Properties**

<b>Material Description</b>			
Physical Form	Liquid	Appearance/Description	Pale yellow to amber liquid.
Color	Pale yellow to amber.	Odor	Pleasant woody.
Odor Threshold	No data available		
<b>General Properties</b>			
Boiling Point	No data available	Melting Point/Freezing Point	No data available
Decomposition Temperature	No data available	pH	4.4 @ 25 °C(77 °F)
Specific Gravity/Relative Density	8.11 lb/gal	Density	No data available
Water Solubility	Insoluble	Viscosity	No data available
Critical Temperature	No data available		
<b>Volatility</b>			
Vapor Pressure	No data available	Vapor Density	No data available
Evaporation Rate	No data available		
<b>Flammability</b>			
Flash Point	168 °F(75.5556 °C) CC (Closed Cup)	UEL	No data available
LEL	No data available	Autoignition	No data available
Flammability (solid, gas)	No data available		
<b>Environmental</b>			
Octanol/Water Partition coefficient	No data available		

**Section 10: Stability and Reactivity****Reactivity**

- Non-reactive under normal handling and storage conditions.

## Chemical stability

- Stable

## Possibility of hazardous reactions

- Hazardous polymerization will not occur.

## Conditions to avoid

- Direct sunlight. Do not freeze. Excessive heat >110°F. Heat, sparks, open flame, other ignition sources, and oxidizing conditions.

## Incompatible materials

- Store away from oxidizers.

## Hazardous decomposition products

- Carbon dioxide and possibly carbon monoxide.

## Section 11 - Toxicological Information

### Information on toxicological effects

Components		
Pyrethrins (5%)	8003-34-7	<b>Acute Toxicity:</b> Ingestion/Oral-Rat, adult female LD50 • 1030 mg/kg; Ingestion/Oral-Rat, adult male LD50 • 2370 mg/kg; Inhalation-Rat LC50 • 3.4 mg/L; Skin-Rat LD50 • 2000 mg/kg; <b>Irritation:</b> Eye-Rabbit • Moderate irritation; Skin-Rabbit • Essentially non-irritating

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
Skin corrosion/Irritation	OSHA HCS 2012 • Skin Irritation 2
Serious eye damage/Irritation	OSHA HCS 2012 • Eye Irritation 2A
Skin sensitization	OSHA HCS 2012 • Classification criteria not met
Respiratory sensitization	OSHA HCS 2012 • 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
Toxicity for Reproduction	OSHA HCS 2012 • Classification criteria not met
STOT-SE	OSHA HCS 2012 • Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects; Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation
STOT-RE	OSHA HCS 2012 • Classification criteria not met

## Potential Health Effects

### Inhalation

- Acute (Immediate)** • May cause drowsiness and dizziness. May cause respiratory irritation.
- Chronic (Delayed)** • No data available

### Skin

**Acute (Immediate)**

- Causes skin irritation.

**Chronic (Delayed)**

- Prolonged or frequently repeated exposure to Pyrethrins may cause allergic skin reactions in some individuals.

**Eye**

**Acute (Immediate)**

- Causes serious eye irritation.

**Chronic (Delayed)**

- No data available

**Ingestion**

**Acute (Immediate)**

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

**Chronic (Delayed)**

- No data available

**Mutagenic Effects**

- 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.

**Carcinogenic Effects**

- Pyrethrins are not listed as a carcinogen by OSHA, IARC, or NTP.

**Reproductive Effects**

- Pyrethrins did not produce any birth defects or adverse effects on reproductive parameters in tests with rats and rabbits.

**Section 12 - Ecological Information**

**Toxicity**

Components		
Pyrethrins (5%)	8003-34-7	<p><b>Aquatic Toxicity-Fish:</b> 96 Hour(s) LC50 <i>Rainbow trout</i> 0.0051 mg/L [Acute]                      96 Hour(s) LC50 <i>Sheepshead minnow</i> 0.016 mg/L [Acute]                      96 Hour(s) NOEC <i>Fathead minnow</i> 0.0019 mg/L [Chronic]                      NOEC <i>Sheepshead minnow</i> 0.0059 mg/L [estimated chronic]  <b>Aquatic Toxicity-Crustacea:</b> NOEC <i>Daphnia magna</i> 0.00086 mg/L [Chronic]                      NOEC <i>Mysid shrimp</i> 0.0001 mg/L [Estimated chronic]                      96 Hour(s) LC50 <i>Mysid Shrimp</i> 0.0014 mg/L [Acute]                      48 Hour(s) LC50 Water Flea <i>Daphnia magna</i> 0.0116 mg/L [Acute]</p>

**Persistence and degradability**

- Pyrethrins have low persistence in the environment due to rapid breakdown in presence of UV light.

**Bioaccumulative potential**

- No data available.

**Mobility in Soil**

- Pyrethrins are relatively immobile in soil.

**Other adverse effects**

**Potential Environmental Effects**

- This product is toxic to aquatic organisms, including fish and invertebrates.

**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. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Do not contaminate water by disposal.

**Packaging waste**

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations. See product label for disposal instructions.

**Section 14 - Transport Information**

	UN number	UN proper shipping name	Transport hazard class(es)	Packing group	Environmental hazards
DOT	NA1993	Packaging 20 lbs. or greater: Combustible liquid, n.o.s. (n-Butyl lactate)	Comb. Liq.	III	RQ = 1 lb. Pyrethrins
IMO/IMDG	3082	Packaging 5 L or greater: Environmentally Hazardous Substance, Liquid, n.o.s. (Pyrethrins)	9	III	Marine Pollutant
IATA/ICAO	3082	Packaging 5 L or greater: Environmentally Hazardous Substance, Liquid, n.o.s. (Pyrethrins)	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** • No data available

**Other information**

- DOT** • Environmental Hazards: RQ (Pyrethrins = 1 lb).
- IMO/IMDG** • No data available
- IATA/ICAO** • No data available

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

**SARA Hazard Classifications** • SARA Title III Section 313, 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.

**CAUTION**

**Precautionary Statements** • KEEP OUT OF THE REACH OF CHILDREN.

**Hazards to Humans and Domestic Animals**

Contains Petroleum Distillates. Harmful if absorbed through the skin. Causes moderate eye irritation. Avoid contact with skin, 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 eating, drinking,



chewing gum, using tobacco or using the toilet. Wear long-sleeved shirt, long pants, socks and chemical resistant gloves.

**First Aid •**

IF SWALLOWED: Immediately call a poison control center or doctor for treatment advice. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give ANY liquid to the person. Do not give anything by mouth to an unconscious person.

IF ON SKIN OR CLOTHING • Take off contaminated clothing • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for further treatment advice.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Note to Physician: Contains petroleum distillate - vomiting may cause aspiration pneumonia.

**Environmental Hazards •**

This product is toxic to aquatic organisms, including fish and invertebrates. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from treated areas. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. This product may contaminate water through run-off. This product has a potential for run-off for several weeks after application. Poorly draining soils and soils with shallow water tables are more prone to produce run-off that contains this product. This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area.

Inventory		
Component	CAS	TSCA
Pyrethrins	8003-34-7	No

**United States**

**Environment**

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

• Pyrethrins	8003-34-7	1 lb final RQ (listed under Pyrethrins); 0.454 kg final RQ (listed under Pyrethrins)
--------------	-----------	--

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

• Pyrethrins	8003-34-7	Not Listed
--------------	-----------	------------

**Section 16 - Other Information**

**Revision Date** • 04/January/2016

**Last Revision Date** • 04/January/2016

**Preparation Date** • 04/January/2016

**Disclaimer/Statement of Liability** •

The information and statements herein are believed to be reliable but are not to be construed as a warranty or representation for which we assume legal responsibility. Users should undertake sufficient verification and testing to determine the suitability for their own particular purpose of any information or products referred to herein. NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE.