



## NOTICE OF PESTICIDE APPLICATION

DATE OF APPLICATION: Thursday, 05/15/2025

LOCATION:

Arbors Park  
610 Sageberry Dr.  
Las Vegas, NV 89144  
Pony wall between playground & tennis courts

PRODUCT & MANUFACTURER INFORMATION:

Product: PT P.I.

Manufacturer: BASF Corporation

EPA Reg. No. 499-444

Active ingredients(S): Pyrethrins, a botanical insecticide..... 0.5%  
Piperonyl Butoxide ..... 4.0%

Precautionary statement: CAUTION! Harmful if absorbed through skin. Avoid contact with skin, eyes, or clothings. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

REASON FOR APPLICATION: General pest control - Hornets

\*Attached is the label and SDS sheet

# PT P.I.® SPECIMEN

## Pressurized Contact Insecticide

**KILLS:** Angoumois Grain Moths, Ants, Bees, Bed Bugs, Booklice, Carpet Beetles, Chocolate Moths, Cigarette Beetles, Clothes Moths, Clover Mites, Cluster Flies, Cockroaches, Confused Flour Beetles, Crickets, Drug Store Beetles, Earwigs, Fleas, Flies, Fruit Flies, Gnats, Grain Mites, Granary Weevils, House Flies, Indianmeal Moths, Mediterranean Flour Moths, Millipedes, Mosquitoes, Mud Daubers, Red Flour Beetles, Rice Weevils, Sawtoothed Grain Beetles, Silverfish, Small Flying Moths, Sowbugs, Spiders, Stable Flies, Ticks and Wasps

**FOR USE IN AND AROUND:** Apartments, Campgrounds, Food Storage Areas, Homes, Hospitals†, Hotels, Motels, Nursing Homes†, Resorts, Restaurants† and other Food Handling Establishments†, Schools, Supermarkets, Transportation Equipment (Buses, Boats, Ships, Trains, Trucks and Aircraft – Cargo Areas Only), Utilities, Warehouses and other Commercial and Industrial Buildings

†See use restrictions for these sites under Directions for Use.

**ACTIVE INGREDIENTS:**

Pyrethrins, a botanical insecticide .....	0.5%
Piperonyl Butoxide* .....	4.0%

<b>OTHER INGREDIENTS:</b> .....	<u>95.5%</u>
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<b>TOTAL:</b> .....	100.0%
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Contains petroleum distillate.

\*(butylcarbityl)(6-propylpiperonyl) ether and related compounds

**EPA Reg. No. 499-444**

**EPA Est. No.**

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

See side panel(s) for Precautionary Statements, Directions for Use and Storage and Disposal.

**NET CONTENTS:**

BASF Corporation  
26 Davis Drive  
Research Triangle Park, NC 27709

  
We create chemistry

<b>FIRST AID</b>	
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Immediately call a poison control center or doctor.</li> <li>• <b>DO NOT</b> induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• <b>DO NOT</b> give any liquid to the person.</li> <li>• <b>DO NOT</b> give anything by mouth to an unconscious person.</li> </ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15 to 20 min.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>HOTLINE NUMBER</b>	
<p>Have the product container or label with you when calling a poison control center or doctor or going for treatment. For additional information on this product (including health concerns, medical emergencies or pesticide incidents), you may call 1-800-832-HELP (4357), 24 hrs/day, 7 days/week.</p>	
<p><b>NOTE TO PHYSICIAN:</b> Contains petroleum distillate – may cause an aspiration pneumonia hazard.</p>	

## **PRECAUTIONARY STATEMENTS**

### **HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION: Contains Petroleum Distillate.** Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

#### **PERSONAL PROTECTIVE EQUIPMENT (PPE):**

Applicators and other handlers must wear the following: long-sleeved shirt, long pants, shoes and socks and chemical-resistant gloves made of barrier laminate or butyl rubber (selection Category B).

In addition to the above PPE, applicators fogging with this product (applying as a space spray) in an enclosed area must wear a half-face, full-face, or hood-style NIOSH-approved respirator with: a dust/mist filtering cartridge (MSHA/NIOSH approval number prefix TC-21C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or a cartridge or canister with any R, P or HE filter.

### **USER SAFETY RECOMMENDATIONS**

#### **Users should:**

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside, then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**USER SAFETY REQUIREMENTS:** Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with product. **DO NOT** reuse them.

### **ENVIRONMENTAL HAZARDS**

This product is toxic to aquatic organisms, including fish and invertebrates. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. This product may contaminate water through runoff. This product has a potential for runoff for several weeks after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff 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.

**DO NOT** apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark.

### **PHYSICAL OR CHEMICAL HAZARDS**

**Extremely Flammable.** Contents under pressure. Keep away from fire, sparks and heated surfaces. **DO NOT** puncture or incinerate container. Exposure to temperatures above 130°F may cause bursting. **DO NOT** use this product in electrical equipment (where there is exposed wiring or contact points) due to the possibility of short circuits and shock hazard.

## **DIRECTIONS FOR USE**

**IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.**

### **USE RESTRICTIONS**

- Apply this product only as specified on this label.
- Not for use in outdoor residential misting systems (indoor or outdoor) or metered release devices.
- **DO NOT** apply more than 1 time/day.

- Product should only be used when can temperature is above 60°F. If can temperature is below 60°F, store at room temperature until a temperature above 60°F is reached.
- **DO NOT** apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected applicators may be in the treatment area during application.
- Use only with the supplied actuator and injection tubes or other application equipment approved by the registrant.
- Remove pets, birds, cover fish aquariums and turn off air pump motor before application.
- **DO NOT** spray on plastic, painted, stained or varnished surfaces or directly into any electronic equipment such as radios, televisions, computers, etc.
- When used as a direct or space spray, **DO NOT** enter or allow others to enter treated area until sprays have dried.
- Remove or cover exposed food and drinking water, in the treatment area, before application.
- Remove or cover dishes, utensils, food processing equipment, and food preparation surfaces in the treatment area, or wash them before use.
- For space sprays:
  - **DO NOT** allow adults, children or pets to enter the treated area for at least 15 min, until vapors, mists and aerosols have dispersed and the treated area has been thoroughly ventilated.
  - **DO NOT** remain in treated area. Exit area immediately and remain outside the treated area until aerosol, vapors and/or mists have dispersed.
- **DO NOT** wet articles to point of runoff or drip.
- **DO NOT** wet plants to the point of runoff or drip.
- **DO NOT** water the treated area to the point of runoff.
- **DO NOT** use treated articles until spray has dried.
- For direct application to clothing, dry clean treated clothes before wearing.
- When used in food handling and processing facilities: **DO NOT** make space spray applications while facility is in operation. Prior to space spray applications, cover or remove food and cover food processing surfaces, in the treatment area, or clean after treatment and before use.
- **DO NOT** use in aircraft cabins.
- When used in dairy barns or facilities: Close milk bulk tank lids to prevent contamination from spray and from dead or falling insects. Remove or cover milking utensils before application. Wash teats of animals before milking.
- **DO NOT** apply this product in hospital rooms while occupied or in any rooms occupied by the elderly or infirm. Remove patients from room prior to treatment and thoroughly ventilate (2 hrs) after application. **DO NOT** return patients to room until after ventilation.
- **DO NOT** use in patient rooms in hospitals and nursing homes for treatment of bed bugs.
- **DO NOT** apply to classrooms when in use.
- **DO NOT** make outdoor applications during rain.
- All outdoor applications, if permitted elsewhere on this label, must be limited to spot or Crack & Crevice® application only, except for the following permitted uses, if allowed elsewhere on this label:
  1. Applications to soil or vegetation, as listed on this label, around structures;
  2. Applications to lawns, turf and other vegetation, as listed on this label;
  3. Applications to the side of a building, up to a maximum height of 3 ft above grade;
  4. Applications to underside of eaves, soffits, door or windows permanently protected from rainfall by a covering, overhang, awning or other structure;
  5. Applications around potential pest entry points into buildings, when limited to a surface band not to exceed 1" in width; and
  6. Applications made through the use of a coarse, low pressure spray to only those portions of surfaces that are directly above bare soil, lawn, turf, mulch or other vegetation, as listed on this label, and not over an impervious surface, drainage or other condition that could result in runoff into storm drains, drainage ditches, gutters or surface waters, in order to control occasional invaders or aggregating pests.
- Application is prohibited directly into sewers or drains, or to any area like a gutter where drainage to storm sewers, water bodies or aquatic habitat can occur. **DO NOT** allow the product to enter any drain during or after application.

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## APPLICATION INSTRUCTIONS

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Apply according to specific directions for pest(s) to be treated.

**CRACK & CREVICE APPLICATION:** Inject this product into cracks and crevices or void spaces where insects may be harboring, living and breeding. Place injector tip into cracks, crevices, holes and other small openings. Apply product for 1 sec. For light infestations, move injector tip along cracks while treating at the rate of 3 ft/sec. For heavy infestations, move injector tip along at 1 ft/sec. For treatment of inaccessible voids (including wall and equipment voids), calculate the void's cubic area and treat at the rate of 3 to 5 sec/3 ft<sup>3</sup>. Several holes may be required in long-running voids.

**DIRECT SPRAY:** Apply the product in short bursts into the area where insects are to be contacted such as corners of the room, behind and under furniture or equipment. Apply from a distance of 18 to 24" from the surface and allow the material to drift to the area to be treated. The amount of product applied is not to exceed 10 sec/room for residential areas or 10 sec/100 ft<sup>2</sup> for commercial areas.

**SPACE SPRAY:** Turn off air conditioners, fans, close doors and windows before treating. Calculate the cubic footage of the area to be treated and apply as follows: **Flying Insects:** Apply at the rate of 1 to 3 sec/1,000 ft<sup>3</sup>. **Crawling Insects:** Apply at a rate of 20 sec/1,000 ft<sup>3</sup>. Disperse toward areas suspected of harboring the greatest insect infestations. Disperse in all locations contacting as many insects as possible. Keep area closed for 15 min. Open and thoroughly ventilate before reoccupying.

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## INDOOR USE

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Apply this product as a Crack & Crevice treatment, space spray and/or direct spray. Apply according to the Application Instructions unless otherwise instructed below.

**CLUSTER FLIES, CLOVER MITES, FLIES, FRUIT FLIES, GNATS, HOUSE FLIES, MOSQUITOES, SMALL FLYING MOTHS AND STABLE FLIES, WASPS AND BEES:** Perform directed spray and/or void treatments in infested areas. **INSIDE STRUCTURAL VOIDS:** Locate all insect entrances and close all but one opening. Apply product through that opening.

**ANTS, BOOKLICE, CLOVER MITES, CRICKETS, MILLIPEDES, ROACHES, SILVERFISH, SOWBUGS AND SPIDERS:** Treat harborage areas such as behind baseboards, sinks, cabinets, meter boxes, door frames, corners of rooms and windows. Open and thoroughly ventilate the treated area before reoccupying.

**BED BUGS:** Prior to inspection or treatment, have the resident remove and/or pick up clothing and other obstacles that may prevent thorough inspection or treatment; remove and sanitize infested bedding (pillows and linens), clothing or other items; and remove all clothes and other articles from dressers or closets. Thoroughly inspect area of suspected bed bug infestation and note potential harborage sites or actual infestations. Apply to mattresses as a spot treatment to seams, edges and tufts only. **DO NOT** apply directly on pillows, bed linens or clothes. **DO NOT** saturate the mattress; and **DO NOT** treat entire surface area of mattress. Advise resident to allow mattress to dry thoroughly before replacing pillows and/or bed linens. Bed bugs may also harbor in areas of the room away from the bed. Apply as a Crack & Crevice or spot application where evidence of bed bugs occurs. This includes bed frames, box springs, inside **empty** drawers and clothes closets, night stands and other furniture in the room, carpet edges, high and low wall moldings (such as floor molding or window casings), wall voids, behind wall hangings and mirrors, wallpaper edges and popcorn ceilings. Take bed apart. Treat joints and channels if hollow, such as square or round tubing, and see that interior framework is treated. Apply as a surface application to carpeting, drapes and flooring. Allow all treated areas to dry thoroughly before use. Reapply every 7 to 10 days, as needed, until infestation is eliminated.

**CARPET BEETLES (in Residences):** Hold product 36" above floor and direct spray toward floor and lower walls, treating at the rate of 10 sec/100 ft<sup>2</sup>. Also apply as a Crack

& Crevice treatment to cracks and crevices near the source of the infestation.

**CLOTHES MOTHS:** Locate source of infestation. Apply to nearby cracks and crevices and perform a space treatment of the infested area at the rate of 5 to 10 sec/1,000 ft<sup>3</sup>.

To protect woolens and other keratin containing materials, brush clean then air out. Before treating entire article, treat a small hidden area of fabric to determine if staining will occur. Treat thoroughly by holding dispenser  $\geq$  18" from garment. Put treated articles in a darkened closet or other darkened storage such as cedar chests, storage drawers or sealable plastic fabric bags. Clean and treat inside of closets or storage areas at the rate of 1 sec/10 ft<sup>2</sup> before putting treated materials away. Repeat treatment every 6 mo or as needed. Dry clean treated clothes before wearing.

**STORED PRODUCT PESTS – for exposed adult and larval stages of Angoumois Grain Moths (crawling), Carpet Beetles, Chocolate Moths, Cigarette Beetles, Confused Flour Beetles, Drug Store Beetles, Grain Mites, Granary Weevils, Indian Meal Moths, Mediterranean Flour Moths (flying), Red Flour Beetles, Rice Weevils and Sawtoothed Grain Beetles:** Apply as a Crack & Crevice, direct spray, or space spray treatment into cracks and crevices/corners of pantries, cabinets, food processing and handling equipment and other places where insects harbor. Apply around cartons, containers and other areas where these insects tend to congregate.

**FLEAS IN BUILDINGS:** Hold product 36" above floor and direct spray toward floor and lower walls treating at the rate of 10 sec/100 ft<sup>2</sup>. Ensure that the underneath and lower surfaces of furniture are contacted. Keep area closed for 15 min. Open and thoroughly ventilate before reoccupying. Repeat treatment after 7 days if necessary.

**TICKS:** Hold container 36" above the floor and direct spray toward pet beds and resting quarters, treating at the rate of 10 sec/100 ft<sup>2</sup>. Apply as a Crack & Crevice treatment into adjacent cracks and crevices such as behind baseboards and edges of carpet and floor covers. Treat higher cracks such as upper door jams and window framing, behind pictures and other areas where females may crawl to lay eggs.

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## FOOD HANDLING ESTABLISHMENTS

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Food handling establishments are places other than private residences in which food is held, processed, prepared or served.

**FOOD AREAS:** Include areas for receiving, serving, storing (dry, cold, frozen, raw), packing (canning, bottling, wrapping, boxing), preparing (cleaning, slicing, cooking, grinding), edible waste storage and enclosed processing systems (mills, dairies, edible oils, syrups).

**NON-FOOD AREAS:** Include areas such as garbage rooms, lavatories, floor drains (to sewers), entries and vestibules, offices, locker rooms, machine rooms, boiler

rooms, garages, mop closets and storage areas (after canning or bottling).

Apply according to specific directions for pest(s) to be treated. **DO NOT** make space spray applications to food areas when the facility is in operation. Prior to space spray applications, cover or remove exposed food and cover food processing surfaces, in the treatment area, or clean after treatment and before use.

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## OUTDOOR USE

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### **FLIES, GNATS AND MOSQUITOES – GROUND**

**APPLICATION:** Treat landscapes and open areas around residence, outer buildings and in campgrounds. Apply at a rate of 5 to 15 sec/1,000 ft<sup>2</sup>. Apply in wide swaths across the area to be treated. Allow treatment to penetrate dense foliage. Best results are obtained when wind speed is 5 mph or less.

### **BEEES, FLIES, CLUSTER FLIES, CLOVER MITES, MUD**

**DAUBERS AND WASPS:** Apply directly on insects and their nests from approx. 18". Disperse into hiding and breeding places (voids) contacting as many insects as possible.

## STORAGE AND DISPOSAL

**DO NOT** contaminate water, food or feed by storage or disposal.

**PESTICIDE STORAGE:** Store in a cool, dry (preferably locked) place away from heat or open flame, and in an area that is inaccessible to children and animals.

**PESTICIDE DISPOSAL:** Wastes resulting from use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL: DO NOT** puncture or incinerate! **If empty:** Place in trash or offer for recycling, if available. **If partly filled:** Call your local solid waste agency for disposal instructions.

Contains no CFCs or other ozone depleting substances.

Federal regulations prohibit CFC propellants in aerosols.



## CONDITIONS OF SALE AND WARRANTY

Follow the **Directions for Use**. It is impossible to eliminate all risks inherently associated with use of this product, and therefore all such risk shall be assumed by the Buyer. BASF warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the **Directions for Use**, subject to the inherent risks, referred to above. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW:**

**(A) BASF MAKES NO OTHER WARRANTIES EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF FITNESS FOR PARTICULAR PURPOSE OR MERCHANTABILITY, (B) BUYER'S EXCLUSIVE REMEDY AND BASF'S AND SELLER'S EXCLUSIVE LIABILITY, WHETHER IN CONTRACT, TORT, NEGLIGENCE, STRICT LIABILITY, OR OTHERWISE, SHALL BE LIMITED TO REPAYMENT OF THE PURCHASE PRICE OF THE PRODUCT, AND (C) BASF AND THE SELLER DISCLAIM ANY LIABILITY FOR CONSEQUENTIAL, INCIDENTAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.**

BASF and the Seller offer this product, and the Buyer accepts it, subject to these **Conditions of Sale and Warranty** which may be varied only by agreement in writing signed by a duly authorized representative of BASF.

PCS813

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Based on: NVA 2013-04-469-0333

Supersedes: 130930-80

BASF Corporation  
26 Davis Drive  
Research Triangle Park, NC 27709



We create chemistry

# Safety Data Sheet

## PT P.I. PRESSURIZED CONTACT INSECTICIDE

Revision date : 2016/11/23

Version: 7.0

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(30628484/SDS CPA US/EN)

### 1. Identification

#### Product identifier used on the label

## PT P.I. PRESSURIZED CONTACT INSECTICIDE

#### Recommended use of the chemical and restriction on use

Recommended use\*: insecticide

\* The "Recommended use" identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

#### Details of the supplier of the safety data sheet

##### Company:

BASF CORPORATION  
100 Park Avenue  
Florham Park, NJ 07932, USA

Telephone: +1 973 245-6000

#### Emergency telephone number

CHEMTREC: 1-800-424-9300  
BASF HOTLINE: 1-800-832-HELP (4357)

#### Other means of identification

Substance number: 413986  
EPA Registration number: 499-444  
Synonyms: Pyrethrins + piperonyl butoxide

### 2. Hazards Identification

**According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200**

#### Classification of the product

Asp. Tox.	1	Aspiration hazard
Acute Tox.	4 (Inhalation - vapour)	Acute toxicity
Aquatic Acute	1	Hazardous to the aquatic environment - acute
Aquatic Chronic	1	Hazardous to the aquatic environment - chronic
Flam. Aerosol	1	Flammable aerosols

#### Label elements

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Pictogram:



Signal Word:  
Danger

Hazard Statement:

H222 Extremely flammable aerosol.  
H332 Harmful if inhaled.  
H304 May be fatal if swallowed and enters airways.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.  
H229 Pressurized container: May burst if heated.

Precautionary Statements (Prevention):

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P271 Use only outdoors or in a well-ventilated area.  
P273 Avoid release to the environment.  
P261 Avoid breathing vapours.  
P260 Do not breathe mist or vapour.  
P211 Do not spray on an open flame or other ignition source.  
P251 Do not pierce or burn, even after use.

Precautionary Statements (Response):

P312 Call a POISON CENTER or doctor/physician if you feel unwell.  
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
P391 Collect spillage.  
P331 Do NOT induce vomiting.

Precautionary Statements (Storage):

P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.  
P405 Store locked up.

Precautionary Statements (Disposal):

P501 Dispose of contents/container to hazardous or special waste collection point.

**According to Regulation 1994 OSHA Hazard Communication Standard: 29 CFR Part 1910.1200**

### Emergency overview

CAUTION:  
EXTREMELY FLAMMABLE.  
KEEP OUT OF REACH OF CHILDREN.  
KEEP OUT OF REACH OF DOMESTIC ANIMALS.  
HARMFUL IF ABSORBED THROUGH SKIN.  
Avoid contact with the skin, eyes and clothing.  
Wash thoroughly after handling.  
Aerosol container contains flammable gas under pressure.

# Safety Data Sheet

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### 3. Composition / Information on Ingredients

#### According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

<u>CAS Number</u>	<u>Weight %</u>	<u>Chemical name</u>
67-64-1	50.0 - 75.0%	Acetone
64742-47-8	15.0 - 20.0%	Distillates, petroleum
68476-86-8	10.0 - 15.0%	Petroleum gases, liquefied, sweetened
8003-34-7	0.5 %	Pyrethrins
51-03-6	4.0 %	Piperonylbutoxide

#### According to Regulation 1994 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

<u>CAS Number</u>	<u>Weight %</u>	<u>Chemical name</u>
8003-34-7	0.5 %	Pyrethrins
51-03-6	4.0 %	Piperonylbutoxide
68476-40-4	> 10.0%	Hydrocarbons, C3-4
67-64-1		Acetone
64742-47-8		Distillates, petroleum
		Carbon dioxide, liquid
	>= 85.0%	Proprietary ingredients

### 4. First-Aid Measures

#### Description of first aid measures

##### General advice:

First aid providers should wear personal protective equipment to prevent exposure. Remove contaminated clothing. Move person to fresh air. If person is not breathing, call 911 or ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or physician for treatment advice. Have the product container or label with you when calling a poison control center or doctor or going for treatment.

##### If inhaled:

Remove the affected individual into fresh air and keep the person calm.

##### If on skin:

Rinse skin immediately with plenty of water for 15 - 20 minutes.

##### If in eyes:

Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing.

##### If swallowed:

Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Do not induce vomiting. Do not give solids or liquids.

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

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11., Further important symptoms and effects are so far not known.

Hazards: Vomiting may cause aspiration pneumonia due to the ingredients.

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### Indication of any immediate medical attention and special treatment needed

#### Note to physician

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote. Aspiration of this product during induced emesis can result in lung injury. If evacuation of stomach contents is considered necessary, use method least likely to cause aspiration, such as gastric lavage after endotracheal intubation.

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## 5. Fire-Fighting Measures

### Extinguishing media

Suitable extinguishing media:  
foam, dry powder, carbon dioxide, water spray

### Special hazards arising from the substance or mixture

Hazards during fire-fighting:  
carbon monoxide, carbon dioxide,  
Aerosol container contains flammable gas under pressure. Pressure inside container is increased when heated, and may cause explosion. If product is heated above decomposition temperature, toxic vapours will be released. The substances/groups of substances mentioned can be released in case of fire.

### Advice for fire-fighters

Protective equipment for fire-fighting:  
Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

### Further information:

Evacuate area of all unnecessary personnel. Contain contaminated water/firefighting water. Do not allow to enter drains or waterways.

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## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Take appropriate protective measures. Clear area. Shut off source of leak only under safe conditions. Extinguish sources of ignition nearby and downwind. Ensure adequate ventilation. Wear suitable personal protective clothing and equipment.

### Environmental precautions

Do not discharge into the subsoil/soil. Do not discharge into drains/surface waters/groundwater. Contain contaminated water/firefighting water. A spill of or in excess of the reportable quantity requires notification to state, local and national emergency authorities. This product is regulated by CERCLA ('Superfund').

### Methods and material for containment and cleaning up

Dike spillage. Pick up with suitable absorbent material. Spilled substance/product should be recovered and applied according to label rates whenever possible. If application of spilled substance/product is not possible, then spills should be contained, solidified, and placed in suitable containers for disposal. After decontamination, spill area can be washed with water. Collect wash water for approved disposal.

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### 7. Handling and Storage

#### Precautions for safe handling

RECOMMENDATIONS ARE FOR MANUFACTURING, COMMERCIAL BLENDING, AND PACKAGING WORKERS. PESTICIDE APPLICATORS & WORKERS must refer to the Product Label and Directions for Use attached to the product. Provide good ventilation of working area (local exhaust ventilation if necessary). Keep away from sources of ignition - No smoking. Keep container tightly sealed. Protect against heat. Handle and open container with care. Do not open until ready to use. Once container is opened, content should be used as soon as possible. Provide means for controlling leaks and spills. Follow label warnings even after container is emptied. The substance/product may be handled only by appropriately trained personnel. Avoid all direct contact with the substance/product. Avoid contact with the skin, eyes and clothing. Avoid inhalation of dusts/mists/vapours. Wear suitable personal protective clothing and equipment.

Protection against fire and explosion:

Aerosol container contains flammable gas under pressure. The relevant fire protection measures should be noted. Fire extinguishers should be kept handy. Avoid all sources of ignition: heat, sparks, open flame. Avoid extreme heat. Ground all transfer equipment properly to prevent electrostatic discharge. Electrostatic discharge may cause ignition.

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

Segregate from incompatible substances. Segregate from foods and animal feeds. Segregate from textiles and similar materials.

Further information on storage conditions: Protect containers from physical damage. Store in a cool, dry, well-ventilated area. Avoid all sources of ignition: heat, sparks, open flame.

Storage stability:

May be kept indefinitely if stored properly.

If an expiry date is mentioned on the packaging/label this takes priority over the statements on storage duration in this safety data sheet.

Protect from temperatures above: 130 °F

Explosive at or above indicated temperature.

### 8. Exposure Controls/Personal Protection

Users of a pesticidal product should refer to the product label for personal protective equipment requirements.

#### Components with occupational exposure limits

Acetone	OSHA PEL	PEL 1,000 ppm 2,400 mg/m <sup>3</sup> ; TWA value 750 ppm 1,800 mg/m <sup>3</sup> ; STEL value 1,000 ppm 2,400 mg/m <sup>3</sup> ;
	ACGIH TLV	STEL value 500 ppm ; TWA value 250 ppm ;
carbon dioxide	OSHA PEL	PEL 5,000 ppm 9,000 mg/m <sup>3</sup> ; STEL value 30,000 ppm 54,000 mg/m <sup>3</sup> ; TWA value 10,000 ppm 18,000 mg/m <sup>3</sup> ;
	ACGIH TLV	STEL value 30,000 ppm ; TWA value 5,000 ppm ;
Pyrethrins	OSHA PEL	PEL 5 mg/m <sup>3</sup> ; TWA value 5 mg/m <sup>3</sup> ;
	ACGIH TLV	TWA value 5 mg/m <sup>3</sup> ;
Distillates, petroleum		

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ACGIH TLV TWA value 200 mg/m<sup>3</sup> Non-aerosol (total hydrocarbon vapor);  
Application restricted to conditions in which there are negligible aerosol exposures.  
Skin Designation Non-aerosol (total hydrocarbon vapor);  
The substance can be absorbed through the skin.

### Advice on system design:

Whenever possible, engineering controls should be used to minimize the need for personal protective equipment.

### Personal protective equipment

#### RECOMMENDATIONS FOR MANUFACTURING, COMMERCIAL BLENDING, AND PACKAGING WORKERS:

##### Respiratory protection:

Wear respiratory protection if ventilation is inadequate. Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator. For situations where the airborne concentrations may exceed the level for which an air purifying respirator is effective, or where the levels are unknown or Immediately Dangerous to Life or Health (IDLH), use NIOSH-certified full facepiece pressure demand self-contained breathing apparatus (SCBA) or a full facepiece pressure demand supplied-air respirator (SAR) with escape provisions.

##### Hand protection:

Chemical resistant protective gloves, Protective glove selection must be based on the user's assessment of the workplace hazards.

##### Eye protection:

Safety glasses with side-shields. Tightly fitting safety goggles (chemical goggles). Wear face shield if splashing hazard exists.

##### Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. head protection, apron, protective boots, chemical-protection suit.

##### General safety and hygiene measures:

RECOMMENDATIONS FOR MANUFACTURING, COMMERCIAL BLENDING, AND PACKAGING WORKERS Wear long sleeved work shirt and long work pants in addition to other stated personal protective equipment. Work place should be equipped with a shower and an eye wash. Handle in accordance with good industrial hygiene and safety practice. Personal protective equipment should be decontaminated prior to reuse. Gloves must be inspected regularly and prior to each use. Replace if necessary (e.g. pinhole leaks). Take off immediately all contaminated clothing. Store work clothing separately. Hands and/or face should be washed before breaks and at the end of the shift. No eating, drinking, smoking or tobacco use at the place of work. Keep away from food, drink and animal feeding stuffs.

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## 9. Physical and Chemical Properties

Form:	aerosol
Odour:	characteristic, of acetone
Odour threshold:	Not determined due to potential health hazard by inhalation.
Colour:	pale straw yellow

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pH value:	approx. 6 - 8 (approx. 23 °C)	
Melting point:	-95 °C	
Boiling point:	Information applies to the solvent. 56 °C ( 1,013 hPa) Information applies to the solvent.	
Flash point:	-20 °C	(Tag closed cup)
Flammability of Aerosol Products:	> 18 in	(ASTM D 3065)
NFPA 30B flammability:	Level 3 Aerosol	
Lower explosion limit:	2.2 %(V)	(air)
Upper explosion limit:	9.5 %(V)	(air)
Vapour pressure:	approx. 6550 hPa (approx. 20 °C) not applicable	
Density:	approx. 0.80 g/cm3 ( 20 °C)	
Vapour density:	not applicable	
<i>Information on: propane</i>		
Partitioning coefficient n-octanol/water (log Pow):	1.81 Study scientifically not justified.	(calculated)
<i>Information on: Distillates, petroleum</i>		
Partitioning coefficient n-octanol/water (log Pow):	> 3.0	(calculated)
<i>Information on: Acetone</i>		
Partitioning coefficient n-octanol/water (log Pow):	-0.24 ( 25 °C)	(Calculation Hansch/Leo)
-----		
Thermal decomposition:	carbon monoxide, carbon dioxide Stable at ambient temperature. If product is heated above decomposition temperature toxic vapours may be released. To avoid thermal decomposition, do not overheat. No decomposition if stored and handled as prescribed/indicated.	
Viscosity, dynamic:	not determined	
Solubility in water:	dispersible	
Evaporation rate:	not applicable	
Other Information:	If necessary, information on other physical and chemical parameters is indicated in this section.	

## 10. Stability and Reactivity

### Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

Corrosion to metals:

Corrosive effects to metal are not anticipated.

Oxidizing properties:

Based on its structural properties the product is not classified as oxidizing.

### Chemical stability

The product is stable if stored and handled as prescribed/indicated.

### Possibility of hazardous reactions

The product is chemically stable.

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### Conditions to avoid

Avoid all sources of ignition: heat, sparks, open flame. Avoid prolonged storage. Avoid electro-static discharge. Avoid contamination. Avoid prolonged exposure to extreme heat. Avoid extreme temperatures.

### Incompatible materials

No substances known that should be avoided.  
strong bases, strong acids, strong oxidizing agents

### Hazardous decomposition products

Decomposition products:

No hazardous decomposition products if stored and handled as prescribed/indicated., Prolonged thermal loading can result in products of degradation being given off.

Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

Thermal decomposition:

Possible thermal decomposition products:

carbon monoxide, carbon dioxide

Stable at ambient temperature. If product is heated above decomposition temperature toxic vapours may be released. To avoid thermal decomposition, do not overheat.

No decomposition if stored and handled as prescribed/indicated.

---

## 11. Toxicological information

### Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

### Acute Toxicity/Effects

#### Acute toxicity

Assessment of acute toxicity: Relatively nontoxic after single ingestion. Slightly toxic after short-term skin contact. Relatively nontoxic after short-term inhalation.

#### Oral

Type of value: LD50

Species: rat

Value: > 5,000 mg/kg

#### Inhalation

Type of value: LC50

Species: rat

Value: > 2.04 mg/l

No mortality was observed.

#### Dermal

Type of value: LD50

Species: rat

Value: > 2,000 mg/kg

No mortality was observed.

#### Assessment other acute effects

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### Assessment of STOT single:

The available information is not sufficient for the evaluation of specific target organ toxicity.

### Irritation / corrosion

Assessment of irritating effects: May cause slight irritation to the eyes. May cause slight irritation to the skin.

### Skin

Species: rabbit  
Result: non-irritant

### Eye

Species: rabbit  
Result: non-irritant

### Sensitization

Assessment of sensitization: Skin sensitizing effects were not observed in animal studies.

### Buehler test

Species: guinea pig  
Result: Skin sensitizing effects were not observed in animal studies.

## Chronic Toxicity/Effects

### Repeated dose toxicity

Assessment of repeated dose toxicity: The product has not been tested. The statement has been derived from the properties of the individual components.

*Information on: 1,3-Benzodioxole, 5-[[2-(2-butoxyethoxy)ethoxy]methyl]-6-propyl-*

*Assessment of repeated dose toxicity: The substance may cause damage to the liver after repeated ingestion of high doses, as shown in animal studies. The substance may cause damage to the liver after repeated inhalation of high doses. Repeated dermal uptake of the substance did not cause substance-related effects.*

*Information on: Acetone*

*Assessment of repeated dose toxicity: The substance may cause damage to the testes after repeated ingestion of high doses, as shown in animal studies. The substance may cause damage to the hematological system after repeated ingestion of high doses. The substance may cause damage to the kidney after repeated ingestion of high doses, as shown in animal studies.*

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### Genetic toxicity

Assessment of mutagenicity: The product has not been tested. The statement has been derived from the properties of the individual components. Mutagenicity tests revealed no genotoxic potential.

### Carcinogenicity

Assessment of carcinogenicity: The product has not been tested. The statement has been derived from the properties of the individual components. The results of various animal studies gave no indication of a carcinogenic effect.

### Reproductive toxicity

Assessment of reproduction toxicity: The product has not been tested. The statement has been derived from the properties of the individual components.

*Information on: pyrethrum*

*Assessment of reproduction toxicity: No reproductive toxic effects reported.*

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*Information on: 1,3-Benzodioxole, 5-[[2-(2-butoxyethoxy)ethoxy]methyl]-6-propyl-*  
*Assessment of reproduction toxicity: The results of animal studies gave no indication of a fertility impairing effect.*

*Information on: Acetone*

*Assessment of reproduction toxicity: As shown in animal studies, the product may cause damage to the testes after repeated high exposures that cause other toxic effects.*

### Teratogenicity

Assessment of teratogenicity: The product has not been tested. The statement has been derived from the properties of the individual components. Animal studies gave no indication of a developmental toxic effect at doses that were not toxic to the parental animals.

### Other Information

Misuse can be harmful to health.

## Symptoms of Exposure

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11., Further important symptoms and effects are so far not known.

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## 12. Ecological Information

### Toxicity

Aquatic toxicity

Assessment of aquatic toxicity:  
Acutely toxic for fish.

#### Toxicity to fish

*Information on: pyrethrum*

*LC50 (96 h) 0.0052 mg/l, Oncorhynchus mykiss (static)*

*LC50 (96 h) 0.01 mg/l, Lepomis macrochirus*

*Information on: 1,3-Benzodioxole, 5-[[2-(2-butoxyethoxy)ethoxy]methyl]-6-propyl-*

*LC50 (96 h) 3.49 mg/l, Cyprinodon variegatus (OECD Guideline 203, Flow through.)*

*The product has low solubility in the test medium. An aqueous solution prepared with solubilizers has been tested.*

*Information on: Distillates, petroleum*

*LL50 (96 h) 2 - 5 mg/l, Oncorhynchus mykiss (OECD Guideline 203, semistatic)*

*The product has low solubility in the test medium. A saturated solution has been tested. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition. Nominal values (confirmed by concentration control analytics)*

*Information on: Acetone*

*LC50 (96 h) 6,210 mg/l, Pimephales promelas (OECD 203; ISO 7346; 84/449/EEC, C.1, Flow through.)*

*The statement of the toxic effect relates to the analytically determined concentration.*

*LC50 (96 h) 5,540 mg/l, Oncorhynchus mykiss (Fish test acute, static)*

*Nominal concentration.*

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### Toxicity to fish

*Information on: pyrethrum*

LC50 (96 h) 0.0052 mg/l, *Oncorhynchus mykiss* (static)

LC50 (96 h) 0.01 mg/l, *Lepomis macrochirus*

*Information on: 1,3-Benzodioxole, 5-[[2-(2-butoxyethoxy)ethoxy]methyl]-6-propyl-*

LC50 (96 h) 3.49 mg/l, *Cyprinodon variegatus* (OECD Guideline 203, Flow through.)

The product has low solubility in the test medium. An aqueous solution prepared with solubilizers has been tested.

### Aquatic invertebrates

*Information on: pyrethrum*

EC50 (48 h) 0.012 mg/l, *Daphnia magna*

EC50 (48 h) 0.0014 mg/l, *Mysidopsis bahia*

*Information on: 1,3-Benzodioxole, 5-[[2-(2-butoxyethoxy)ethoxy]methyl]-6-propyl-*

EC50 (48 h) 0.51 mg/l, *Daphnia magna* (OECD Guideline 202, part 1, Flow through.)

The product has low solubility in the test medium. An aqueous solution prepared with solubilizers has been tested.

No observed effect concentration (28 d) 0.063 mg/l, aquatic arthropod (other)

The details of the toxic effect relate to the nominal concentration. The product has low solubility in the test medium. An aqueous solution prepared with solubilizers has been tested. Limit concentration test only (LIMIT test).

*Information on: Distillates, petroleum*

EL50 (48 h) 1.4 mg/l, *Daphnia magna* (OECD Guideline 202, part 1, static)

The details of the toxic effect relate to the nominal concentration. The product has low solubility in the test medium. A saturated solution has been tested. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

*Information on: Acetone*

LC50 (48 h) 8,800 mg/l, *Daphnia pulex* (*Daphnia* test acute, static)

Nominal concentration.

LC50 (24 h) 2,100 mg/l, *Artemia salina* (*Daphnia* test acute, static)

Nominal concentration.

### Aquatic plants

*Information on: pyrethrum*

No toxic effects occur within the range of solubility.

*Information on: 1,3-Benzodioxole, 5-[[2-(2-butoxyethoxy)ethoxy]methyl]-6-propyl-*

EC50 (72 h) 3.89 mg/l (growth rate), *Pseudokirchneriella subcapitata* (OECD Guideline 201, static)

The product has low solubility in the test medium. An aqueous solution prepared with solubilizers has been tested.

No observed effect concentration (72 h) 0.824 mg/l (growth rate), *Pseudokirchneriella subcapitata* (OECD Guideline 201, static)

The product has low solubility in the test medium. An aqueous solution prepared with solubilizers has been tested.

*Information on: Distillates, petroleum*

EL50 (72 h) 1 - 3 mg/l (growth rate), *Pseudokirchneriella subcapitata* (OECD Guideline 201, static)

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*The details of the toxic effect relate to the nominal concentration. The product has low solubility in the test medium. A saturated solution has been tested. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition. No observed effect concentration (72 h) 1 mg/l (growth rate), Pseudokirchneriella subcapitata (OECD Guideline 201, static)*

*The details of the toxic effect relate to the nominal concentration. The product has low solubility in the test medium. A saturated solution has been tested. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.*

*Information on: Acetone*

*Toxic limit concentration (8 d) 530 mg/l (biomass), Microcystis aeruginosa (DIN 38412 Part 9, static)  
Nominal concentration.*

*Information on: propane*

*EC50 (96 h) 7.71 mg/l, algae (calculated)*

*The product has not been tested. The statement has been derived from the structure of the product.*

### Mobility in soil

#### Assessment transport between environmental compartments

The product has not been tested. The statement has been derived from the properties of the individual components.

*Information on: pyrethrum*

*Following exposure to soil, adsorption to solid soil particles is probable, therefore contamination of groundwater is not expected.*

*Information on: Acetone*

*The substance will slowly evaporate into the atmosphere from the water surface.  
Adsorption to solid soil phase is not expected.*

### Additional information

Other ecotoxicological advice:

Do not discharge product into the environment without control.

---

## 13. Disposal considerations

### Waste disposal of substance:

Pesticide wastes are regulated. Improper disposal of excess pesticide, spray mix or rinsate is a violation of federal law. If pesticide wastes cannot be disposed of according to label instructions, contact the State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

### Container disposal:

Do not cut, puncture, crush, or incinerate empty aerosol containers. Consult state or local disposal authorities for approved alternative procedures such as container recycling. Empty aerosol cans may meet the definition of RCRA D003. Consult local and/or regional EPA for further guidance.

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## 14. Transport Information

### Land transport

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### USDOT

Hazard class: 2.1  
ID number: UN 1950  
Hazard label: 2.1, EHSM  
Proper shipping name: AEROSOLS

### Sea transport IMDG

Hazard class: 2.1  
ID number: UN 1950  
Hazard label: 2.1, EHSM  
Marine pollutant: YES  
Proper shipping name: AEROSOLS

### Air transport IATA/ICAO

Hazard class: 2.1  
ID number: UN 1950  
Hazard label: 2.1  
Proper shipping name: AEROSOLS, FLAMMABLE

### Further information

DOT: This product may be classified as ORM-D (Consumer Commodity) or Limited Quantity. After 12/31/2020, ORM-D will not apply.

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## 15. Regulatory Information

### Federal Regulations

#### Registration status:

Chemical TSCA, US blocked / not listed

Crop Protection TSCA, US released / exempt

**EPCRA 311/312 (Hazard categories):** Acute; Chronic; Fire; Sudden release of pressure

#### EPCRA 313:

<u>CAS Number</u>	<u>Chemical name</u>
51-03-6	Piperonylbutoxide

<u>CERCLA RQ</u>	<u>CAS Number</u>	<u>Chemical name</u>
5000 LBS	67-64-1	Acetone
1 LBS	8003-34-7	Pyrethrins

### State regulations

<u>State RTK</u>	<u>CAS Number</u>	<u>Chemical name</u>
PA	67-64-1	Acetone
	124-38-9	carbon dioxide
	64742-47-8	Distillates, petroleum
MA	67-64-1	Acetone
	124-38-9	carbon dioxide
	64742-47-8	Distillates, petroleum

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NJ	67-64-1	Acetone
	124-38-9	carbon dioxide
	64742-47-8	Distillates, petroleum
	51-03-6	Piperonylbutoxide

### NFPA Hazard codes:

Health : 1      Fire: 4      Reactivity: 1      Special:

### Labeling requirements under FIFRA

This chemical is a pesticide product registered by the 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, and workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label.

#### CAUTION:

EXTREMELY FLAMMABLE.

KEEP OUT OF REACH OF CHILDREN.

KEEP OUT OF REACH OF DOMESTIC ANIMALS.

HARMFUL IF ABSORBED THROUGH SKIN.

Avoid contact with the skin, eyes and clothing.

Wash thoroughly after handling.

Avoid inhalation of mists/vapours.

---

## 16. Other Information

### SDS Prepared by:

BASF NA Product Regulations

SDS Prepared on: 2016/11/23

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

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