



Insect Growth Regulator



Capsule Suspension



Synergized



Carpet Spray

# PRESCRIPTION TREATMENT<sup>®</sup> brand ULTRACIDE<sup>®</sup>

## PRESSURIZED FLEA IGR & ADULTICIDE

Formula 1

Contains NyLar\* Insect Growth Regulator

### KILLS:

Active flea infestations and prevents infestations from developing. Prevents re-infestation for 7 months.

### FOR USE IN AND AROUND:

Apartments, Automobiles, Homes, Hospitals, Hotels, Kennels, Motels, Offices, Schools, Supermarkets, Transportation Equipment (Buses, Boats, Ships, Trains, Trucks), Warehouses, Utilities, Veterinary Clinics and Other Commercial and Industrial Buildings.

### ACTIVE INGREDIENTS:

Pyriproxyfen.....	0.100%
Pyrethrins.....	0.050%
N-octyl bicycloheptene dicarboximide†.....	0.400%
Permethrin.....	0.400%
Related Compounds.....	0.035%

**OTHER INGREDIENTS:** .....99.015%

\*MGK\* 264, Insecticide Synergist (Cis trans isomers ratio: Max. 55% ± cis and trans isomers ratio: Max. 55% ± cis and Min. 45% ± trans)

TOTAL: 100.000%

EPA Reg. No. 499-404

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

### PRECAUTIONARY STATEMENTS

#### FIRST AID

**IF SWALLOWED:** Immediately call a poison control center or doctor. 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 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 eyes. Call a poison control center or doctor for treatment advice.

**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 treatment advice.

**IF INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also call 1-800-225-3320 for emergency medical treatment information.

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Harmful if swallowed, inhaled or absorbed through skin. Do not breathe vapors or spray mist. Avoid contact with skin or eyes. In case of contact, flush with plenty of water. Wash with soap and warm water after use. Obtain medical attention if irritation persists. Avoid contamination of food or feedstuffs.

#### ENVIRONMENTAL HAZARDS

This product is toxic to fish and birds. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Drift from treated areas may be hazardous to organisms in adjacent aquatic sites. Apply this product only as specified on the label.

#### 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.

#### DIRECTIONS FOR USE

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

#### SHAKE WELL BEFORE USE

#### GENERAL INFORMATION

PT<sup>®</sup> ULTRACIDE kills fleas and prevents flea infestations for a full season. Adult fleas may be seen in the treated areas when brought in on infested animals or when adults emerge from pupal cases; however, a population will not develop in the treated area.

In transportation equipment, certain plastics may be whitened or dulled. Apply only to carpets and cloth upholstered areas, or test an inconspicuous area before treating.



**WHITMIRE MICRO-GEN**  
RESEARCH LABORATORIES, INC.  
800-777-8570

NOTE: This specimen label is for informational purposes only. All uses may not be approved in all states. See labeling which accompanied product for Directions for Use or call 800-777-8570 for more information.



## ULTRACIDE® Pressurized Flea IGR & Adulticide

### DIRECTIONS

Use PT ULTRACIDE at the rate of 20 oz. for up to 2,625 sq. ft. Carpeted areas may be vacuumed before treatment and after treatment has dried. Treat infested areas or areas which could be infested; these include rugs, carpets, upholstered furniture, pet beds and pet resting areas. Hold can at arms length and direct spray toward the area to be treated. Use a sweeping motion to apply product and back away from treated area while holding the can 36 inches away from the surface being treated. An area of 80 - 100 sq. ft. can be treated in approximately 10 seconds with PT ULTRACIDE. When treating upholstered furniture, treat under cushions and areas where flea development occurs.

Cover aquariums and fish bowls and remove birds from area prior to treating. Treated areas should be vacated during application. EXCEPT

FOR APPLICATOR, DO NOT PERMIT HUMANS OR PETS TO CONTACT TREATED SURFACES UNTIL THE SPRAY HAS DRIED. Do not treat pets with this product.

**NOTICE:** PT ULTRACIDE has been tested on several types of carpet, fabric and other household furnishings without adverse affects. In a few instances, waxed surfaces have been whitened or dulled. Holding the can 36 inches away from the target surface normally prevents any whitening from occurring. Because of the wide variety of floor types and finishes, treat a small inconspicuous area before treating the entire area. Avoid contact with antique finishes.

### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

**STORAGE:** Store in a cool dry area away from heat or open flame and inaccessible to children.

**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! Empty container by using the product according to the label directions. Offer empty container for recycling, if available, or place in trash if allowed by state and local regulations. If container is partly filled, contact your local solid waste agency or call 1-800-CLEANUP for disposal instructions.

Contains no CFCs or other ozone depleting substances. Federal regulations prohibit CFC propellants in aerosols.



A PRESCRIPTION TREATMENT® brand insecticide from:

Whitmire Micro-Gen Research Laboratories, Inc.  
3568 Tree Court Industrial Blvd.  
St. Louis MO 63122-6682

© 2004 Whitmire Micro-Gen Research Laboratories, Inc.

**NOTE:** This specimen label is for informational purposes only. All uses may not be approved in all states. See labeling which accompanied product for Directions for Use or call 800-777-8570 for more information.

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### 1. Identification

#### Product identifier used on the label

## PT ULTRACIDE PRESSURIZED FLEA 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: 550555  
EPA Registration number: 499-404  
Synonyms: Pyriproxyfen + pyrethrins + n-octyl bicycloheptene dicarboximide + permethrin

### 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
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.
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.
P273	Avoid release to the environment.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.

Precautionary Statements (Response):

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.
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### Hazards not otherwise classified

Labeling of special preparations (GHS):

The following percentage of the mixture consists of components(s) with unknown hazards regarding the acute toxicity: 16 % dermal

The following percentage of the mixture consists of components(s) with unknown hazards regarding the acute toxicity: 15 % oral

The following percentage of the mixture consists of components(s) with unknown hazards regarding the acute toxicity: 17 % Inhalation - vapour

The following percentage of the mixture consists of components(s) with unknown hazards regarding the acute toxicity: 17 % Inhalation - mist

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

### Emergency overview

CAUTION:  
EXTREMELY FLAMMABLE.  
KEEP OUT OF REACH OF CHILDREN.

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KEEP OUT OF REACH OF DOMESTIC ANIMALS.  
HARMFUL IF SWALLOWED.  
HARMFUL IF INHALED.  
HARMFUL IF ABSORBED THROUGH SKIN.  
Do not breathe vapours/mists.  
Avoid contact with the skin, eyes and clothing.  
Wash thoroughly after handling.  
Aerosol container contains flammable gas under pressure.

### 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>
95737-68-1	0.1 %	Pyriproxyfen
8003-34-7	0.05 %	Pyrethrins
113-48-4	0.4 %	n-Octyl bicycloheptene dicarboximide
52645-53-1	0.4 %	Permethrin
64742-47-8	10.0 - 15.0%	Distillates, petroleum
68476-86-8	10.0 - 15.0%	Petroleum gases, liquefied, sweetened

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

<u>CAS Number</u>	<u>Weight %</u>	<u>Chemical name</u>
95737-68-1	0.1 %	Pyriproxyfen
8003-34-7	0.05 %	Pyrethrins
113-48-4	0.4 %	n-Octyl bicycloheptene dicarboximide
52645-53-1	0.4 %	Permethrin
64742-47-8	< 10.0%	Distillates, petroleum
68476-40-4	<= 30.0%	Hydrocarbons, C3-4
	>= 80.0%	Proprietary ingredients

### 4. First-Aid Measures

#### Description of first aid measures

##### General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Immediately remove contaminated clothing.

##### If inhaled:

Keep patient calm, remove to fresh air, seek medical attention.

##### If on skin:

Immediately wash thoroughly with soap and water, seek medical attention.

##### If in eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open.

##### If swallowed:

Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention. Do not induce vomiting due to aspiration hazard.

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### 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.

### 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.

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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, Hydrogen chloride, nitrogen oxides, halogenated hydrocarbons  
The substances/groups of substances mentioned can be released in case of fire. Aerosol container contains flammable gas under pressure.

### 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

Distillates, petroleum

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.
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#### Advice on system design:

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

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### 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
Odour threshold:	Not determined due to potential health hazard by inhalation.
Colour:	white
pH value:	approx. 6 - 8 ( 23.7 °C) The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.
Melting point:	approx. -30 °C Information applies to the solvent.
Flammability:	Extremely flammable.
NFPA 30B flammability:	Level 1 Aerosol
Flammability of Aerosol	0 in
Products:	no flashback



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Lower explosion limit:	As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.
Upper explosion limit:	As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.
Density:	approx. 0.96 g/cm <sup>3</sup> ( 20 °C)
Vapour density:	not applicable
Thermal decomposition:	carbon monoxide, carbon dioxide, Hydrocarbons, nitrogen dioxide, nitrogen oxide, Hydrogen chloride, halogenated hydrocarbons Stable at ambient temperature. If product is heated above decomposition temperature toxic vapours may be released. To avoid thermal decomposition, do not overheat.
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.

### 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 oxidizing agents, strong acids, aldehydes, amines, chlorinated hydrocarbons

### Hazardous decomposition products

Decomposition products:

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

Thermal decomposition:

Possible thermal decomposition products:

carbon monoxide, carbon dioxide, Hydrocarbons, nitrogen dioxide, nitrogen oxide, Hydrogen chloride, halogenated hydrocarbons

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

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### 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: > 5.12 mg/l

##### Dermal

Type of value: LD50

Species: rabbit

Value: > 2,000 mg/kg

##### Assessment other acute effects

Assessment of STOT single:

Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

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

##### Irritation / corrosion

Assessment of irritating effects: Causes substantial but temporary eye injury. May cause slight irritation to the skin.

##### Skin

Species: rabbit

Result: moderately irritating

Prolonged contact with the product can result in skin irritation.

##### Eye

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Species: rabbit  
Result: Moderately to severely irritating.

### 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.

### *Information on: Permethrin*

#### *Stevens-Test / ZENECA*

*Species: guinea pig*

*Result: Skin sensitizing effects were not observed in animal studies.*

### *Information on: Pyridine, 2-[1-methyl-2-(4-phenoxyphenoxy)ethoxy]-*

*Species: guinea pig*

*Result: Non-sensitizing.*

## **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: Permethrin*

*Assessment of repeated dose toxicity: The substance may cause damage to the peripheral nervous system after repeated ingestion of high doses. The substance may cause damage to the peripheral nervous system after repeated skin contact with high doses.*

### *Information on: n-Octyl bicycloheptene dicarboximide*

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

### 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.

### *Information on: Pyridine, 2-[1-methyl-2-(4-phenoxyphenoxy)ethoxy]-*

*Assessment of carcinogenicity: In long-term studies in rats and mice in which the substance was given by feed, a carcinogenic effect was not observed.*

### *Information on: pyrethrum*

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

*Not Likely to Be Carcinogenic to Humans.*

### Reproductive toxicity

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Assessment of reproduction toxicity: The product has not been tested. The statement has been derived from the properties of the individual components. The results of animal studies gave no indication of a fertility impairing effect.

### Teratogenicity

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

*Information on: Pyridine, 2-[1-methyl-2-(4-phenoxyphenoxy)ethoxy]-*

*Assessment of teratogenicity: No indications of a developmental toxic / teratogenic effect were seen in animal studies.*

*Information on: pyrethrum*

*Assessment of teratogenicity: No indications of a developmental toxic / teratogenic effect were seen in animal studies.*

*Information on: n-Octyl bicycloheptene dicarboximide*

*Assessment of teratogenicity: No indications of a developmental toxic / teratogenic effect were seen in animal studies.*

*Information on: Distillates, petroleum*

*Assessment of teratogenicity: No indications of a developmental toxic / teratogenic effect were seen in animal studies. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.*

### 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

#### Toxicity to fish

*Information on: Pyridine, 2-[1-methyl-2-(4-phenoxyphenoxy)ethoxy]-*

*LC50 (96 h) > 0.270 mg/l, Lepomis macrochirus*

*Information on: pyrethrum*

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

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

*Information on: n-Octyl bicycloheptene dicarboximide*

*LC50 (96 h) 2.4 mg/l, Lepomis macrochirus (other, Flow through.)*

*LC50 (96 h) 1.4 mg/l, Oncorhynchus mykiss (other, Flow through.)*

*Information on: permethrin*

*LC50 (96 h) 0.012 mg/l, Salmo salar*

*Information on: Distillates, petroleum*

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

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*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)*

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### Aquatic invertebrates

*Information on: pyrethrum*

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

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

*Information on: n-Octyl bicycloheptene dicarboximide*

*EC50 (48 h) 2.3 mg/l, Daphnia magna (other, Flow through.)*

*Information on: Permethrin*

*LC50 (24 h) 0.024 mg/l, Daphnia magna*

*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.*

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### Aquatic plants

*Information on: Distillates, petroleum*

*EL50 (72 h) 1 - 3 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.*

*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.*

-----

### Chronic toxicity to fish

*Information on: permethrin*

*No observed effect concentration 0.0003 mg/l, Pimephales promelas*

*Information on: Pyridine, 2-[1-methyl-2-(4-phenoxyphenoxy)ethoxy]-*

*No observed effect concentration (95 d) 0.0043 mg/l, Oncorhynchus mykiss*

*Information on: pyrethrum*

*No observed effect concentration 0.0019 mg/l, Pimephales promelas*

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### Chronic toxicity to aquatic invertebrates

*Information on: permethrin*

*No observed effect concentration (30 d) 0.000011 mg/l, Mysisidopsis bahia*

*Information on: Pyridine, 2-[1-methyl-2-(4-phenoxyphenoxy)ethoxy]-*

*No observed effect concentration (21 d) 0.00002 mg/l, Daphnia magna*

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*Information on: pyrethrum*  
*No observed effect concentration (28 d) 0.00086 mg/l, Daphnia magna*  
-----

### **Persistence and degradability**

#### Assessment biodegradation and elimination (H2O)

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

#### Assessment biodegradation and elimination (H2O)

*Information on: Permethrin*

*Not readily biodegradable (by OECD criteria). Poorly biodegradable. Well eliminable from water by adsorption on activated sludge.*

*Information on: Pyridine, 2-[1-methyl-2-(4-phenoxyphenoxy)ethoxy]-*

*Not readily biodegradable (by OECD criteria).*

*Information on: pyrethrum*

*Not readily biodegradable (by OECD criteria).*  
-----

### **Bioaccumulative potential**

#### Assessment bioaccumulation potential

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

#### Assessment bioaccumulation potential

*Information on: Pyridine, 2-[1-methyl-2-(4-phenoxyphenoxy)ethoxy]-*

*Information on: pyrethrum*  
-----

### **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: Pyridine, 2-[1-methyl-2-(4-phenoxyphenoxy)ethoxy]-*

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

*Information on: pyrethrum*

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

### **Additional information**

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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.

### 14. Transport Information

#### Land transport

USDOT

Hazard class: 2.1  
ID number: UN 1950  
Hazard label: 2.1, EHSM  
Proper shipping name: AEROSOLS (contains ALKANES, PERMETHRIN)

#### Sea transport

IMDG

Hazard class: 2.1  
ID number: UN 1950  
Hazard label: 2.1, EHSM  
Marine pollutant: YES  
Proper shipping name: AEROSOLS (contains ALKANES, PERMETHRIN)

#### 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.

### 15. Regulatory Information

#### Federal Regulations

##### Registration status:

Chemical TSCA, US blocked / not listed  
Crop Protection TSCA, US released / exempt

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**EPCRA 311/312 (Hazard categories):** Acute; Chronic

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

### State regulations

<u>State RTK</u>	<u>CAS Number</u>	<u>Chemical name</u>
PA	64742-47-8	Distillates, petroleum
MA	64742-47-8	Distillates, petroleum
NJ	64742-47-8	Distillates, petroleum

### **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 SWALLOWED.  
HARMFUL IF INHALED.  
HARMFUL IF ABSORBED THROUGH SKIN.

Do not breathe vapours/mists.

Avoid contact with the skin, eyes and clothing.

Wash thoroughly after handling.

Aerosol container contains flammable gas under pressure.

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## 16. Other Information

**SDS Prepared by:**  
BASF NA Product Regulations  
SDS Prepared on: 2016/11/18

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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IMPORTANT: WHILE THE DESCRIPTIONS, DESIGNS, DATA AND INFORMATION CONTAINED HEREIN ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE, IT IS PROVIDED FOR YOUR GUIDANCE ONLY. BECAUSE MANY FACTORS MAY AFFECT PROCESSING OR APPLICATION/USE, WE RECOMMEND THAT YOU MAKE TESTS TO DETERMINE THE SUITABILITY OF A PRODUCT FOR YOUR PARTICULAR PURPOSE PRIOR



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