

PT[®] PHANTOM[®] II

Pressurized Insecticide

For sale to, use and storage only by individuals/firms licensed or registered by the state to apply termiticide and/or general pest control products.

KILLS: Ants (including *foraging* Fire, Harvester and Pharaoh), Asian Lady Beetles, Bed Bugs, Bees (Honey), Beetles, Boxelder Bugs, Carpenter Bees, Centipedes, Cluster Flies, Cockroaches, Crickets, Dermestids, Drain Flies, Earwigs, Elm Leaf Beetles, Flour Beetles, Grain Weevils, House Flies, Indianmeal Moths, Pillbugs, Silverfish, Spiders (excluding Brown Recluse), Springtails, Stable Flies, Stink Bugs, Termites* (Subterranean), Wasps and Yellowjackets
* Not a substitute for mechanical alteration, soil or foundation treatment.

FOR USE IN AND AROUND: Apartments, Food Storage Areas, Homes, Hospitals, Hotels, Meat Packing and Food Processing Plants, Motels, Nursing Homes, Restaurants and other Food Handling Establishments, Schools, Supermarkets, Warehouses and other Commercial and Industrial Buildings

ACTIVE INGREDIENT:

Chlorfenapyr: 4-bromo-2-(4-chlorophenyl)-1-(ethoxymethyl)-5-(trifluoromethyl)-1H-pyrrole-3-carbonitrile 0.5%

OTHER INGREDIENTS: 95.5%

TOTAL: 100.0%

EPA Reg. No. 499-548

KEEP OUT OF REACH OF CHILDREN

CAUTION

PRECAUTIONARY STATEMENTS

HOT LINE NUMBER

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 also call 1-800-832-HELP (4357), 24 hr/day, 7/days/week.

PERSONAL PROTECTIVE EQUIPMENT (PPE) APPLICATORS AND OTHER HANDLERS MUST WEAR: Baseline PPE consisting of long-sleeved shirt, long pants and shoes plus socks.

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. Remove and wash contaminated clothing before reuse.

USER SAFETY RECOMMENDATIONS

Users should:

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

ENVIRONMENTAL HAZARDS

This pesticide is toxic to aquatic organisms, birds and wildlife. Do not apply directly to water or to areas where surface water is present or intertidal areas below the mean high water mark.

PHYSICAL AND CHEMICAL HAZARDS

Flammable. Contents under pressure. Keep away from heat, sparks and open flame. Do not puncture or incinerate container. Exposure to temperatures above 130°F may cause bursting. Do not spray directly into any electronic equipment such as radios, televisions, computers, etc. due to the possibility of short circuits or shock hazard. Test on a small surface prior to use, as spray may mar plastic, painted or varnished surfaces.

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.
- Do not compost any discarded plant materials that have been treated with this product.
- Do not make outdoor applications during rain.
- Do not reapply to treated areas more than 1x every 4 weeks.
- Do not allow adults, children or pets to enter until vapors, mists and/or aerosols have dispersed and the treated area has been thoroughly ventilated. Do not contact treated surfaces until dry.
- When used in schools, do not apply to classrooms when in use. Allow treated areas to dry thoroughly before reoccupying.
- When used in hospitals and nursing homes, remove patients before treating rooms. Allow treated areas to dry thoroughly before returning patients to rooms.
- When used in the home, 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. Do not use in serving areas while food is exposed.
- Applications in food areas of food handling establishments are limited to spot and/or crack and crevice treatments. Do not make applications when facility is in operation. Avoid contamination of food or feedstuffs. Do not apply directly to food, food packaging or food contact surfaces. During application, cover or remove food, and cover food processing surfaces and equipment, or clean after treatment with a suitable detergent and rinse with potable water before use. Do not use in serving areas (dining areas where prepared foods are served) while food is exposed or facility is in operation.
- Except when applying to sewers or drains as instructed on this label, do not apply directly into sewers or drains or to any area like a gutter where

drainage to storm sewers, water bodies, or aquatic habitat can occur.

- When used in zoos, remove animals and cover or remove animal food/water prior to application.
- Remove pets and cover or remove pet food/water and fish bowls prior to application.

CRACK & CREVICE[®] TREATMENT: Use with the supplied actuator and injection tubes. Inject 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. Release approx. 1 sec of product. For light infestations, move injector tip along cracks while treating at the rate of 3 In ft/sec. For heavy infestations, move injector tip along at 1 In ft/sec. For closed voids, calculate the void's cubic area and treat at the rate of 1 – 5 sec/3ft³. Several holes may be required in long-running voids.

SPOT TREATMENT: Use with the supplied actuator and injection tubes. Hold container upright while spraying. Direct nozzle approx. 12" from surface to be treated. Apply directly on insects in these locations when possible. Limit individual spot treatments to an area no larger than 2ft²/room.

Before spot treating on plastic, painted or varnished surfaces, test a small, inconspicuous area and observe for staining or damage to finish.

INDOOR TREATMENTS

CRAWLING PESTS [including Centipedes, Cockroaches, Crickets, Dermestids, Earwigs, Sowbugs and Spiders (excluding Brown Recluse)]: Apply as a Crack & Crevice treatment using the prescribed amount into cracks, crevices and void spaces where pests may harbor, nest, trail, run or hide, including openings around pipes and sinks, under refrigerators, behind baseboards, washing machines, stoves, cabinets, sewers, floor drains and meter boxes. Spot treatments may also be made to areas such as storage areas; closets; around water pipes, doors and windows; around refrigerators, cabinets, sinks, stoves and other equipment; shelves and drawers.

BOOKLICE & SILVERFISH: Apply as a Crack & Crevice treatment into cracks and crevices of baseboards, door frames, bookcases and other har-

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borage sites. Spot treatments may also be made to areas such as storage areas; closets; around water pipes, doors and windows; around refrigerators, cabinets, sinks, stoves and other equipment; shelves and drawers.

ANTS (including foraging Fire, Harvester and Pharaoh): Apply as a Crack & Crevice treatment into cracks, crevices and voids where ants may harbor, nest, trail, run or hide, including around doors, window frames, wall voids and other structural cracks and crevices. Spot treatments may also be made to areas such as storage areas; closets; around water pipes, doors and windows; around refrigerators, cabinets, sinks, stoves and other equipment; shelves, drawers and similar areas.

BED BUGS: Apply to cracks, crevices, voids and/or harborages where evidence of bed bugs occurs, including bed frames, box springs, inside empty dressers, furniture and clothes closets, carpet edges, high and low wall moldings, behind headboards, pictures and wallpaper edges. Do not make surface applications to mattresses or bedding. Mattress treatments must be limited to seams, folds and edges only. Do not treat pillows, bedding or clothing. Remove linens and wash before reuse. Allow treated mattress to dry thoroughly before remaking the bed. Remove all clothes and other articles from dressers or clothes closets before application. Allow treated areas to dry thoroughly before use.

CHOCOLATE MOTHS, DRUGSTORE BEETLES, FLOUR BEETLES, GRAIN WEEVILS, INDIANMEAL MOTHS, TROGODERMAS (in exposed adult and larval stages): Apply into cracks, crevices and/or voids where these pests may harbor such as cracks and crevices in cabinets and pantries, wall voids, around window and door frames, and in machinery. Spot treatments may also be made to areas such as storage areas; closets; around water pipes, doors and windows; around refrigerators, cabinets, sinks, stoves and other equipment; shelves, drawers and similar areas.

DRAIN FLIES: Release approx. 1 – 2 sec of product into the drain basin.

FOOD HANDLING ESTABLISHMENTS

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

FOOD AREAS: Includes areas for receiving, storage, packing (canning, bottling, wrapping, boxing), preparing, edible waste storage and enclosed processing systems (mills, dairies, edible oils, syrups). Serving areas (when food is exposed and facility is in operation) are also considered food areas.

Apply as a Crack & Crevice treatment or spot treatment directly into cracks, crevices, voids or onto surfaces where insects harbor, nest, trail, run or hide. Use an injection tube capable of delivering a

pinstream. Apply to different elements of construction; between equipment and floor; openings leading to hollow spaces in walls, equipment legs and bases; and where insects hide or nest.

Reapplication may be made at 2 week intervals. Limit individual spot treatments to an area no larger than 2ft²/room.

NON-FOOD AREAS: Includes 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 as a Crack & Crevice treatment or spot treatment to selected surfaces such as baseboards and under elements of construction.

INTERIOR / LIMITED EXTERIOR APPLICATION OF STRUCTURES AS A CRACK & CREVICE OR SPOT TREATMENT

FOR ACTIVE AND HIBERNATING STAGES OF ASIAN LADY BEETLES, BOXELDER BUGS, CLUSTER FLIES, ELM LEAF BEETLES, HONEY BEES, STINK BUGS, WASPS AND YELLOW-JACKETS: Apply as a Crack & Crevice or spot treatment into cracks, crevices and/or voids where these insects may harbor, congregate or hibernate such as cracks and crevices, behind siding, wall voids, around window and door frames.

CARPENTER BEES: Locate entrance holes. Treat galleries through entrance holes. Seal bee entrances after application.

CRAWLING INSECTS (including Centipedes, Crickets, Earwigs, Pillbugs, Springtails): Apply as a Crack & Crevice or spot treatment into cracks and crevices where insects may enter premises or harbor such as weep holes, under siding, wall voids, soffits, around attic vents, cracks, crevices and openings around windows, doors and pipes, and exterior areas where utilities may enter the structure.

FLIES (House & Stable): Apply as a Crack & Crevice or spot treatment to areas where flies rest, congregate or enter the structure on both the exterior and interior. Apply around doors, windows, garages, garbage storage areas, upper corners of walls, ceiling areas, around sky lights, light fixtures and similar areas.

TERMITES (Subterranean): This product is for localized treatment only and is not designed as a stand alone treatment. It is designed to kill the termites it contacts during application and the ones that might return to the treated area. Inject into cracks, crevices and voids where termites are known or suspected. For wood treatment, drill a hole every 8 – 12" across the face of the board and inject 1 – 3 sec of product into the gallery. (Specialized equipment is required for this application). For treating carton, inject for 3 – 5 sec at several locations if possible.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store this product in a cool, dry (preferably locked) place away from heat or open flame, 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. Whitmire 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) WHITMIRE MAKES NO OTHER WARRANTIES EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF FITNESS FOR PARTICULAR PURPOSE OR MERCHANTABILITY, (B) BUYER'S EXCLUSIVE REMEDY AND WHITMIRE'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) WHITMIRE AND THE SELLER DISCLAIM ANY LIABILITY FOR CONSEQUENTIAL, INCIDENTAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. Whitmire 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 Whitmire.

Manufactured for:
Whitmire Micro-Gen Research Laboratories, Inc.®
by BASF Corporation
3568 Tree Court Industrial Blvd.
St. Louis MO 63122-6682
Questions? Call 1-800-777-8570
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1. Identification

Product identifier used on the label

PT PHANTOM II PRESSURIZED 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)

Registrant:

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

Other means of identification

Substance number: 462410
EPA Registration number: 499-548
Molecular formula: C₁₅ H₁₁ Br Cl F₃ N₂ O
Synonyms: chlorfenapyr

2. Hazards Identification

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

Classification of the product

STOT SE 3 (Vapours may cause Specific target organ toxicity — single exposure)

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| | | |
|-----------------|----------------------------|--|
| | drowsiness and dizziness.) | |
| Aquatic Acute | 1 | Hazardous to the aquatic environment - acute |
| Aquatic Chronic | 1 | Hazardous to the aquatic environment - chronic |
| Flam. Aerosol | 2 | Flammable aerosols |

Label elements

Pictogram:



Signal Word:
Warning

Hazard Statement:

| | |
|------|---|
| H223 | Flammable aerosol. |
| H336 | May cause drowsiness or dizziness. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |

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. |
| P271 | Use only outdoors or in a well-ventilated area. |
| P211 | Do not spray on an open flame or other ignition source. |
| P251 | Do not pierce or burn, even after use. |
| P260 | Do not breathe dust/gas/mist/vapours. |

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. |
| P391 | Collect spillage. |

Precautionary Statements (Storage):

| | |
|-------------|---|
| P403 + P233 | Store in a well-ventilated place. Keep container tightly closed. |
| 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:
KEEP OUT OF REACH OF CHILDREN.
KEEP OUT OF REACH OF DOMESTIC ANIMALS.
Avoid contact with the skin, eyes and clothing.
Avoid inhalation of mists/vapours.
Wash thoroughly after handling.

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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> |
|-------------------|-----------------|----------------------|
| 122453-73-0 | 0.5 % | chlorfenapyr |
| 115-10-6 | < 15.0% | dimethyl ether |
| 124-38-9 | < 2.0% | carbon dioxide |
| 67-64-1 | < 35.0% | Acetone |

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:

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

If in eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

If swallowed:

Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.

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: Danger of drowsiness and dizziness.

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.

5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media:

foam, dry powder, carbon dioxide, water spray

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Special hazards arising from the substance or mixture

Hazards during fire-fighting:

carbon monoxide, carbon dioxide, hydrogen bromide, Hydrogen chloride, hydrogen fluoride, nitrogen oxides

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.

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.

Methods and material for containment and cleaning up

Dike spillage. Pick up with suitable absorbent material. Place into suitable containers for reuse or disposal in a licensed facility. 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.

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 for Agricultural Use Requirements in accordance with the EPA Worker Protection Standard 40 CFR part 170. Ensure adequate ventilation. Provide good ventilation of working area (local exhaust ventilation if necessary). Keep away from sources of ignition - No smoking. Keep container tightly sealed. Protect contents from the effects of light. Protect against heat. Protect from air. 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. Do not return residues to the storage containers. 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:

The relevant fire protection measures should be noted. Fire extinguishers should be kept handy.

Avoid all sources of ignition: heat, sparks, open flame. Sources of ignition should be kept well clear.

Avoid extreme heat. Keep away from oxidizable substances. Electrical equipment should conform to national electric code. Ground all transfer equipment properly to prevent electrostatic discharge.

Electrostatic discharge may cause ignition.

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Conditions for safe storage, including any incompatibilities

Segregate from foods and animal feeds.

Further information on storage conditions: Keep away from heat. Protect from direct sunlight. Keep at temperature not exceeding 50°C. Keep out of the reach of children. Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame.

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 ³ ; STEL value 1,000 ppm 2,400 mg/m ³ ; TWA value 750 ppm 1,800 mg/m ³ ; |
| | ACGIH TLV | TWA value 500 ppm ; STEL value 750 ppm ; |
| carbon dioxide | OSHA PEL | PEL 5,000 ppm 9,000 mg/m ³ ; TWA value 10,000 ppm 18,000 mg/m ³ ; STEL value 30,000 ppm 54,000 mg/m ³ ; |
| | ACGIH TLV | TWA value 5,000 ppm ; STEL value 30,000 ppm ; |

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.

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General safety and hygiene measures:

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.

9. Physical and Chemical Properties

| | | |
|---|--|--|
| Form: | liquid, aerosol | |
| Odour: | solvent-like | |
| Odour threshold: | Not determined due to potential health hazard by inhalation. | |
| Colour: | yellow to orange | |
| pH value: | approx. 6 - 8 (approx. 20 °C) | |
| Melting point: | The product has not been tested. | |
| Boiling point: | approx. 56 °C Information applies to the solvent. | |
| Flash point: | < -28 °C | (Directive 92/69/EEC, A.9) (ASTM D 3065) |
| Ignition distance test for spray aerosols: | > 18 in | |
| NFPA 30B flammability: | Level 1 Aerosol | |
| 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. | |
| Autoignition: | 530 °C | (Regulation 440/2008/EC, A.15) |
| Vapour pressure: | approx. 7 bar (20 °C) | |
| Density: | approx. 0.94 g/cm ³ (approx. 20 °C) | |
| Vapour density: | not applicable | |
| Partitioning coefficient n- octanol/water (log Pow): | not applicable | |
| Thermal decomposition: | No decomposition if stored and handled as prescribed/indicated. | |
| Viscosity, dynamic: | not determined | |
| Solubility in water: | miscible | |
| Evaporation rate: | not applicable | |
| Other Information: | If necessary, information on other physical and chemical parameters is indicated in this section. | |

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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:

Not an oxidizer.

Chemical stability

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

Possibility of hazardous reactions

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

Conditions to avoid

Avoid all sources of ignition: heat, sparks, open flame.

Incompatible materials

strong bases, strong acids, strong oxidizing agents

Hazardous decomposition products

Decomposition products:

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

Thermal decomposition:

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. Relatively nontoxic after short-term skin contact.

Oral

Type of value: LD50

Species: rat (female)

Value: > 5,000 mg/kg (OECD Guideline 425)

Inhalation

Type of value: LC50

Species: rat (male/female)

Value: > 2.11 mg/l (OECD Guideline 403)

Exposure time: 4 h

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An aerosol was tested.
No mortality was observed.

Dermal

Type of value: LD50
Species: rat (male/female)
Value: > 5,000 mg/kg (OECD Guideline 402)

Irritation / corrosion

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

Skin

Species: rabbit
Result: Slightly irritating.

Eye

Species: rabbit
Result: non-irritant
Method: OECD Guideline 405

Sensitization

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

*Information on: Chlorfenapyr
Guinea pig maximization test
Species: guinea pig
Result: Non-sensitizing.
Method: OECD Guideline 406*

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: 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.

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

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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.

Information on: Chlorfenapyr

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.

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.

12. Ecological Information

Toxicity

Aquatic toxicity

Assessment of aquatic toxicity:

Very toxic (acute effect) to aquatic organisms.

Toxicity to fish

Information on: chlorfenapyr

LC50 (96 h) 0.00744 mg/l, Oncorhynchus mykiss (Directive 84/449/EEC, C.1, Flow through.)

Aquatic invertebrates

Information on: chlorfenapyr

EC50 (96 h) 0.00203 mg/l, Mysidopsis bahia (Directive 84/449/EEC, C.2)

Aquatic plants

Information on: chlorfenapyr

No observed effect concentration (72 h) 0.020 mg/l, Pseudokirchneriella subcapitata (OECD Guideline 201)

EC50 (72 h) 0.132 mg/l, Pseudokirchneriella subcapitata (OECD Guideline 201)

Assessment of terrestrial toxicity

Acutely very toxic to terrestrial organisms.

Bioaccumulative potential

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Bioaccumulation potential

Information on: chlorfenapyr

*Bioconcentration factor: 116, Cyprinus carpio
Accumulation in organisms is not to be expected.*

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: chlorfenapyr

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

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. Empty aerosol cans may meet the definition of RCRA D003.

14. Transport Information

Land transport

USDOT

Hazard class: 2.1
ID number: UN 1950
Hazard label: 2.1, EHSM
Proper shipping name: AEROSOLS (contains ACETONE/DIMETHYLKETONE, CHLORFENAPYR)

Sea transport

IMDG

Hazard class: 2.1
ID number: UN 1950
Hazard label: 2.1, EHSM
Marine pollutant: YES
Proper shipping name: AEROSOLS (contains ACETONE/DIMETHYLKETONE, CHLORFENAPYR)

Air transport

IATA/ICAO

Hazard class: 2.1

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ID number: UN 1950
Hazard label: 2.1
Proper shipping name: AEROSOLS, FLAMMABLE (contains
ACETONE/DIMETHYLKETONE, CHLORFENAPYR)

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:

Crop Protection TSCA, US released / exempt
499-548

Chemical TSCA, US blocked / not listed

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

| <u>CERCLA RQ</u> | <u>CAS Number</u> | <u>Chemical name</u> |
|------------------|-------------------|----------------------|
| 5000 LBS | 67-64-1 | Acetone |
| 100 LBS | 115-10-6 | dimethyl ether |

State regulations

| <u>State RTK</u> | <u>CAS Number</u> | <u>Chemical name</u> |
|------------------|-------------------|----------------------|
| PA | 67-64-1 | Acetone |
| | 115-10-6 | dimethyl ether |
| | 124-38-9 | carbon dioxide |
| MA | 67-64-1 | Acetone |
| | 115-10-6 | dimethyl ether |
| | 124-38-9 | carbon dioxide |
| NJ | 67-64-1 | Acetone |
| | 115-10-6 | dimethyl ether |
| | 124-38-9 | carbon dioxide |

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:

KEEP OUT OF REACH OF CHILDREN.
KEEP OUT OF REACH OF DOMESTIC ANIMALS.
Avoid contact with the skin, eyes and clothing.

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Avoid inhalation of mists/vapours.
Wash thoroughly after handling.
Aerosol container contains flammable gas under pressure.

16. Other Information

SDS Prepared by:
BASF NA Product Regulations
SDS Prepared on: 2015/06/18

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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