

Revision date : 2022/01/31 Version: 14.0

Page: 1/13 (30128307/SDS_CPA_US/EN)

1. Identification

Product identifier used on the label

Phantom Termiticide/Insecticide

Recommended use of the chemical and restriction on use

Recommended use*: crop protection product, 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

<u>Company:</u> BASF CORPORATION 100 Park Avenue Florham Park, NJ 07932, USA

Telephone: +1 973 245-6000

Emergency telephone number

24 Hour Emergency Response Information CHEMTREC: 1-800-424-9300 BASF HOTLINE: 1-800-832-HELP (4357)

Other means of identification

Substance number:62151EPA Registration number:241-392Molecular formula:C(15) H(11) Br Cl F(3) N(2) OChemical family:pyrrole derivativeSynonyms:chlorfenapyr

2. Hazards Identification

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

Classification of the product

Acute Tox.	4 (oral)	Acute toxicity
Acute Tox.	2 (Inhalation - mist)	Acute toxicity
STOT SE	2	Specific target organ toxicity — single exposure

sion date : 2022/01/31 sion: 14.0		Page: 2/1 (30128307/SDS_CPA_US/Et)
STOT RE	2	Specific target organ toxicity — repeated
	-	exposure
Aquatic Acute	2	Hazardous to the aquatic environment - acut
Aquatic Chronic	2	Hazardous to the aquatic environment - chro
Label elements		
Pictogram:		
Signal Word:		
Danger		
Hazard Statement:		
H330	Fatal if inhaled.	
H302	Harmful if swallowed.	
H371	May cause damage to organs (Central nervous system).	
H373	May cause damage to orga prolonged or repeated expo	ans (Central nervous system) through
H401	Toxic to aquatic life.	
H411	Toxic to aquatic life with long lasting effects.	
Precautionary Stateme	nts (Prevention):	
P271	Use only outdoors or in a well-ventilated area.	
P260	Do not breathe dust/gas/mist/vapours.	
P273	Avoid release to the environment.	
P284	In case of inadequate ventilation wear respiratory protection.	
P270	Do not eat, drink or smoke when using this product.	
P264	Wash contaminated body parts thoroughly after handling.	
Precautionary Stateme		
P310	Immediately call a POISON CENTER or physician.	
P304 + P340	breathing.	on to fresh air and keep comfortable for
P330	Rinse mouth	
P391	Collect spillage.	
Precautionary Stateme		
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.	
P405	Store locked up.	
Precautionary Stateme		
P501	Dispose of contents/contail	ner in accordance with local regulations.

Hazards not otherwise classified

Labeling of special preparations (GHS):

Product contains the following components and may cause an allergic skin reaction: 1,2-benzisothiazol-3(2H)-one

The substance may cause sensitization of the skin in particularly sensitive individuals. Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

Revision date : 2022/01/31 Version: 14.0

3. Composition / Information on Ingredients

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

Chlorfenapyr

CAS Number: 122453-73-0 Content (W/W): 21.45 % Synonym: No data available.

Acetic acid

CAS Number: 64-19-7 Content (W/W): 0.3% Synonym: Acetic acid; Glacial acetic acid

1,2-benzisothiazol-3(2H)-one CAS Number: 2634-33-5 Content (W/W): 0.1% Synonym: No data available.

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. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product.

If inhaled:

In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product.

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 water, do not induce vomiting, seek medical attention. If swallowed, seek medical advice immediately and show this container or label. Do not induce vomiting unless told to by a poison control center or doctor. Take patient to hospital immediately. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Medical monitoring for at least 7 days.

Most important symptoms and effects, both acute and delayed

Symptoms: Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in

Revision date : 2022/01/31 Version: 14.0 Page: 4/13 (30128307/SDS CPA US/EN)

Section 11., (Further) symptoms and / or effects are not known so far, Symptoms of poisoning may only appear after several hours or several days.

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

Special hazards arising from the substance or mixture

Hazards during fire-fighting: carbon monoxide, carbon dioxide, Hydrogen chloride, hydrogen bromide, nitrogen oxides, silicon oxides, halogenated compounds 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. Do not decontaminate personnel or equipment, or handle broken packages or containers without appropriate personal protective equipment.

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.

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

Revision date : 2022/01/31 Version: 14.0

Page: 5/13 (30128307/SDS CPA US/EN)

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. Avoid aerosol formation. Avoid dust formation. 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.

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: Keep only in the original container in a cool, dry, wellventilated place away from ignition sources, heat or flame. Protect containers from physical damage. Protect against contamination. The authority permits and storage regulations must be observed.

8. Exposure Controls/Personal Protection

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

Chlorfenapyr TWA value 0.3 mg/m3 ;

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) TC23C Chemical/Mechanical type filter system to remove a combination of particles, gas and vapours. 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.

Revision date : 2022/01/31 Version: 14.0

Page: 6/13 (30128307/SDS CPA US/EN)

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:

Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is recommended. 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: Odour: Odour threshold: Colour: pH value:	liquid sweetish, characteristic Not determined since toxic by inhalation. white to light brown approx. 6 - 8 (approx. 25 °C) (measured with the undiluted substance)	
Freezing point:	approx. 0 °C (1,013.3 hPa) Information applies to the solvent.	
Boiling point:	approx. 100 °C (1,013 mbar) Information applies to the solvent.	
Flash point:	Non-flammable.	(Regulation 440/2008/EC, A.9)
Flammability:	not applicable	110/2000/20,710/
Autoignition:	not applicable	
Vapour pressure:	approx. 23.3 hPa (20 °C) Information applies to the solvent.	
Density:	approx. 1.13 g/cm3 (20 °C)	
Vapour density: Partitioning coefficient n-	not applicable not applicable	
octanol/water (log Pow):		
Thermal decomposition:	210 °C, 260 kJ/kg (DSC (OECD 113)) (onset temperature) Not a substance liable to self-decomposition according to UN transport regulations, class 4.1.	
Viscosity, dynamic:	approx. 757 mPa.s (20 °C)	
Solubility in water:	dispersible	
Molar mass:	407.6 g/mol	
Evaporation rate:	not applicable	

Revision date : 2022/01/31 Version: 14.0

Other Information:

(30128307/SDS_CPA_US/EN) If necessary, information on other physical and chemical

Page: 7/13

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: not fire-propagating (Regulation 440/2008/EC, A.21) Not an oxidizer.

Chemical stability

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

Possibility of hazardous reactions

The product is chemically stable. No hazardous reactions if stored and handled as prescribed/indicated.

Conditions to avoid

See SDS section 7 - Handling and storage.

Incompatible materials

strong oxidizing agents

Hazardous decomposition products

Decomposition products: Hazardous 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.

Thermal decomposition: 210 °C (DSC (OECD 113)) (onset temperature) Not a substance liable to self-decomposition according to UN transport regulations, class 4.1.

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: Slightly toxic after single ingestion. Slightly toxic after short-term inhalation. Slightly toxic after short-term skin contact.

<u>Oral</u> Type of value: LD50

Revision date : 2022/01/31 Version: 14.0 Page: 8/13 (30128307/SDS CPA US/EN)

Species: mouse (male) Value: > 50 - < 300 mg/kg The data on toxicology refer to the active ingredient. Same product LD50 is assigned for precautionary reasons in view of human poisoning incidents

Information on: chlorfenapyr Type of value: LD50 Species: mouse (male) Value: > 50 - < 300 mg/kg (OECD Guideline 401)

Inhalation Type of value: LC50 Species: rat (male) Value: 0.411 mg/l (OECD Guideline 403) Exposure time: 4 h An aerosol was tested. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Type of value: LC50 Species: rat (male) Value: 2.284 mg/l (calculated) Exposure time: 1 h

Type of value: LC50 Species: rat (female) Value: > 6.4 mg/l (calculated) Exposure time: 1 h

Dermal Type of value: LD50 Species: rabbit Value: > 2,000 mg/kg

<u>Assessment other acute effects</u> Assessment of STOT single: A single exposure may have relevant toxic effects on organs.

Target organ: Central nervous system The product has not been tested. The statement has been derived from the properties of the individual components.

Irritation / corrosion

Assessment of irritating effects: Skin contact causes slight irritation. Not irritating to the eyes. May cause slight irritation to the skin. May cause slight but temporary irritation to the eyes.

<u>Skin</u>

Species: rabbit Result: Slightly irritating. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

<u>Eye</u> Species: rabbit Result: non-irritant

Sensitization

Revision date : 2022/01/31 Version: 14.0

Page: 9/13 (30128307/SDS CPA US/EN)

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

modified Buehler test

Species: guinea pig Result: Non-sensitizing. Method: OECD Guideline 406

Aspiration Hazard

No aspiration hazard expected. The product has not been tested. The statement has been derived from the properties of the individual components.

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: chlorfenapyr

Assessment of repeated dose toxicity: Repeated exposure may affect certain organs. Affects the central nervous system.

Genetic toxicity

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

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. 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. Animal studies gave no indication of a developmental toxic effect at doses that were not toxic to the parental animals.

Other Information

Reported human health effects after incorporation: immediate symptoms after oral ingestion may comprise nausea, vomiting, sweating and abdominal pain. Subsequent symptoms emerging with a delay of a few days up to 10-14 days may include drowsiness, tachypnea, tachycardia or arrhythmia, hypertension, fever, diaphoresis, muscle fasciculation, muscle stiffness, weakness of limbs (sometimes leading to paralysis), hepatic and renal dysfunction, pancreatitis, and sudden disturbance of consciousness followed by coma and cardiac arrest. Misuse can be fatal.

Medical conditions aggravated by overexposure

Individuals with pre-existing diseases of the respiratory system, skin or eyes may have increased susceptibility to excessive exposures.

12. Ecological Information

Revision date : 2022/01/31 Version: 14.0

Toxicity

Page: 10/13 (30128307/SDS_CPA_US/EN)

Aquatic toxicity Assessment of aquatic toxicity: Very toxic (acute effect) to fish. Very toxic (acute effect) to aquatic invertebrates. Acutely toxic for aquatic plants.

<u>Toxicity to fish</u> LC50 (96 h) 0.108 mg/l, Oncorhynchus mykiss (Flow through.)

<u>Aquatic invertebrates</u> EC50 (48 h) 0.0121 mg/l, Daphnia magna (static)

<u>Aquatic plants</u> EC50 (72 h) 4.09 mg/l, Selenastrum capricornutum (OECD Guideline 201)

Chronic toxicity to fish

Information on: chlorfenapyr No observed effect concentration (93 d) 0.003678 mg/l, Oncorhynchus mykiss

Chronic toxicity to aquatic invertebrates

Information on: chlorfenapyr No observed effect concentration (28 d) 0.000172 mg/l, Mysidopsis bahia

<u>Assessment of terrestrial toxicity</u> Acutely very toxic to terrestrial organisms.

Persistence and degradability

Assessment biodegradation and elimination (H2O)

Information on: chlorfenapyr

Not readily biodegradable (by OECD criteria).

Bioaccumulative potential

<u>Assessment bioaccumulation potential</u> The product has not been tested. The statement has been derived from the properties of the individual components.

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

Revision date : 2022/01/31

Version: 14.0

Page: 11/13 (30128307/SDS_CPA_US/EN)

Information on: chlorfenapyr

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

Additional information

Other ecotoxicological advice: The ecological data given are those of the active ingredient.

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:

Rinse thoroughly at least three times (triple rinse) in accordance with EPA recommendations. Consult state or local disposal authorities for approved alternative procedures such as container recycling. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

RCRA:

This product is not regulated by RCRA.

14. Transport Information

Land transport USDOT	
Hazard class:	6.1
Packing group:	III
ID number:	UN 2902
Hazard label:	6.1, EHSM
Proper shipping name:	PESTICIDE, LIQUID, TOXIC, N.O.S. (contains CHLORFENAPYR)
Sea transport IMDG	
Hazard class:	6.1
Packing group:	III
ID number:	UN 2902
Hazard label:	6.1, EHSM
Marine pollutant:	YES
Proper shipping name:	PESTICIDE, LIQUID, TOXIC, N.O.S. (contains CHLORFENAPYR)
Air transport IATA/ICAO	
Hazard class:	6.1
Packing group:	III
ID number:	UN 2902
Hazard label:	6.1
Proper shipping name:	PESTICIDE, LIQUID, TOXIC, N.O.S. (contains CHLORFENAPYR)

Revision date : 2022/01/31 Version: 14.0

Further information

This product may be classified as limited quantity in selected package sizes.

15. Regulatory Information

Federal Regulations

Registration status:

Crop Protection TSCA, US released / exempt

Chemical TSCA, US blocked / not listed

EPCRA 311/312 (Hazard categories): Refer to SDS section 2 for GHS hazard classes applicable for this product.

State regulations

State RTK	CAS Number	Chemical name
NJ	57-55-6	Propylene glycol
PA	57-55-6	Propylene glycol

Safe Drinking Water & Toxic Enforcement Act, CA Prop. 65:

BASF Risk Assessment, CA Prop. 65:

Based on an evaluation of the product's composition and the use(s), this product does not require a California Proposition 65 Warning.

NFPA Hazard codes:

Health: 2 Fire: 1 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: HARMFUL IF SWALLOWED. HARMFUL IF INHALED. HARMFUL IF ABSORBED THROUGH SKIN. May cause moderate but temporary irritation to the eyes. KEEP OUT OF REACH OF CHILDREN. KEEP OUT OF REACH OF DOMESTIC ANIMALS. Do not get in eyes, on skin, or on clothing.

Avoid inhalation of mists/vapours.

16. Other Information

SDS Prepared by: BASF NA Product Regulations

Revision date : 2022/01/31 Version: 14.0

Page: 13/13 (30128307/SDS_CPA_US/EN)

SDS Prepared on: 2022/01/31

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.

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 TO USE. NO WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET FORTH, OR THAT THE PRODUCTS, DESIGNS, DATA OR INFORMATION MAY BE USED WITHOUT INFRINGING THE INTELLECTUAL PROPERTY RIGHTS OF OTHERS. IN NO CASE SHALL THE DESCRIPTIONS, INFORMATION, DATA OR DESIGNS PROVIDED BE CONSIDERED A PART OF OUR TERMS AND CONDITIONS OF SALE. FURTHER, YOU EXPRESSLY UNDERSTAND AND AGREE THAT THE DESCRIPTIONS, DESIGNS, DATA, AND INFORMATION FURNISHED BY OUR COMPANY HEREUNDER ARE GIVEN GRATIS AND WE ASSUME NO OBLIGATION OR LIABILITY FOR THE DESCRIPTION, DESIGNS, DATA AND INFORMATION GIVEN OR RESULTS OBTAINED, ALL SUCH BEING GIVEN AND ACCEPTED AT YOUR RISK. END OF DATA SHEET