

Safety data sheet

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BASF Safety data sheet
Date / Revised: 12.07.2020
Product: **Phantom® Insecticide**

Version: 7.0

(30278687/SDS_CPA_AU/EN)

Date of print 14.07.2020

1. Substance/preparation and manufacturer/supplier identification

Phantom® Insecticide

Use: crop protection product, insecticide

Manufacturer/supplier:

BASF Australia Limited (ABN 62 008 437 867)
Level 12, 28 Freshwater Place Southbank
Victoria 3006, AUSTRALIA
Telephone: +61 3 8855-6600
Telefax number: +61 3 8855-6511

Emergency information:

BASF Emergency Advice Number: 1800 803 440 (24h) [within Australia]
BASF Emergency Advice Number: + 61 3 8855 6666 [outside Australia]

2. Hazard identification

Classification of the substance and mixture:

Skin corrosion/irritation: Cat. 3
Acute toxicity: Cat. 4 (oral)
Acute toxicity: Cat. 3 (Inhalation - mist)
Hazardous to the aquatic environment - acute: Cat. 1
Hazardous to the aquatic environment - chronic: Cat. 1

Label elements and precautionary statement:

Pictogram:



Signal Word:

Danger

Hazard Statement:

H302 Harmful if swallowed.
H316 Causes mild skin irritation.
H331 Toxic if inhaled.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statement:

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.

Precautionary Statements (Prevention):

P271 Use only outdoors or in a well-ventilated area.
P261 Avoid breathing mist.
P270 Do not eat, drink or smoke when using this product.
P264 Wash contaminated body parts thoroughly after handling.

Precautionary Statements (Response):

P311 Call a POISON CENTER or physician.
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P330 Rinse mouth
P391 Collect spillage.
P332 + P313 If skin irritation occurs: Get medical attention.

Precautionary Statements (Storage):

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.

Precautionary Statements (Disposal):

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

Other hazards which do not result in classification:

See section 12 - Results of PBT and vPvB assessment.

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

| May produce an allergic reaction. Contains: 1,2-BENZISOTHIAZOL-3(2H)-ONE

3. Composition/information on ingredients

Chemical nature

insecticide, suspension concentrate (SC)

Hazardous ingredients

chlorfenapyr

Content (W/W): 21.4 %
CAS Number: 122453-73-0

Acute Tox.: Cat. 3 (Inhalation - dust)

Acute Tox.: Cat. 4 (oral)

Aquatic Acute: Cat. 1

Aquatic Chronic: Cat. 1

4. 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.

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

On skin contact:

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

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

On contact with eyes:

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

On ingestion:

Immediately rinse mouth and then drink 200-300 ml of water, 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. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Take patient to hospital immediately. Medical monitoring for at least 7 days.

Note to physician:

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 Section 11., (Further) symptoms and / or effects are not known so far

Symptoms of poisoning may only appear after several hours or several days.

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures

Suitable extinguishing media:

water spray, carbon dioxide, foam, dry powder

Unsuitable extinguishing media for safety reasons:
water jet

Specific hazards:
carbon monoxide, carbon dioxide, hydrogen chloride, nitrogen oxides, organochloric compounds
The substances/groups of substances mentioned can be released in case of fire.

Special protective equipment:
Wear self-contained breathing apparatus and chemical-protective clothing.

Further information:
In case of fire and/or explosion do not breathe fumes. Keep containers cool by spraying with water if exposed to fire. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

6. Accidental Release Measures

Personal precautions:
Use personal protective clothing. Avoid contact with the skin, eyes and clothing. Do not breathe vapour/spray.

Environmental precautions:
Do not discharge into the subsoil/soil. Do not discharge into drains/surface waters/groundwater.

Methods for cleaning up or taking up:
For small amounts: Pick up with suitable absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr).
For large amounts: Dike spillage. Pump off product.
Collect waste in suitable containers, which can be labeled and sealed. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations. Dispose of absorbed material in accordance with regulations. Wear suitable protective equipment.

7. Handling and Storage

Handling

Ensure thorough ventilation of stores and work areas. No special measures necessary if stored and handled correctly. When using do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift. Remove contaminated clothing and protective equipment before entering eating areas.

Protection against fire and explosion:
No special precautions necessary. The substance/product is non-combustible. Product is not explosive.

Storage

Segregate from foods and animal feeds.
Further information on storage conditions: Keep away from heat. Protect from direct sunlight.

8. Exposure controls and personal protection

Components with occupational exposure limits

propane-1,2-diol, 57-55-6;	TWA value 474 mg/m ³ ; 150 ppm (AU NOEL), Total vapour and particulates
	TWA value 10 mg/m ³ (AU NOEL), Particulate
	TWA value 474 mg/m ³ ; 150 ppm (OEL (AU)), Total vapour and particulates
	TWA value 10 mg/m ³ (OEL (AU)), Particulate

Personal protective equipment

Respiratory protection:
Respiratory protection in case of vapour/aerosol release.

Hand protection:
Chemical resistant protective gloves

Eye protection:
Eye protection not required.

Body protection:
Standard work clothes and shoes.

General safety and hygiene measures:
Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is recommended. Wash contaminated clothing before reuse. Gloves must be inspected regularly and prior to each use. Replace if necessary (e.g. pinhole leaks). Before eating, drinking, or smoking, wash face and hands with soap and water.

9. Physical and Chemical Properties

Form:	liquid
Colour:	white to light brown
Odour:	sweetish, characteristic
Odour threshold:	Not determined since toxic by inhalation.

pH value:	approx. 6 - 8 (approx. 25 °C) (measured with the undiluted substance)
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Freezing point:	approx. 0 °C (1,013.3 hPa)
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Boiling point:	Information applies to the solvent. approx. 100 °C (1,013 mbar) Information applies to the solvent.
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(Regulation 440/2008/EC, A.9)

Flash point: > 95 °C

Evaporation rate:

not applicable

Flammability (solid/gas): Based on the chemical structure
 there is no indication of flammability

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.

Ignition temperature: > 651 °C

(Regulation 440/2008/EC, A.15)

Thermal decomposition: 210 °C , 260 kJ/kg
 (onset temperature) No decomposition if stored and handled as prescribed/indicated.

(DSC (OECD 113))

Explosion hazard: not explosive

Fire promoting properties: not fire-propagating

(Regulation 440/2008/EC, A.21)

Vapour pressure: approx. 23.3 hPa
 (20 °C)

Information applies to the solvent.

Density: approx. 1.13 g/cm³
 (20 °C)

Relative vapour density (air):

not applicable

Solubility in water: dispersible

Partitioning coefficient n-octanol/water (log Pow):
 not applicable

Viscosity, dynamic: approx. 757 mPa.s
 (20 °C)

Other Information:

If necessary, information on other physical and chemical parameters is indicated in this section.

10. Stability and Reactivity

Conditions to avoid:
See SDS section 7 - Handling and storage.

Thermal decomposition: 210 °C, 260 kJ/kg (DSC (OECD 113))
(onset temperature) No decomposition if stored and handled
as prescribed/indicated.

Substances to avoid:
strong acids, strong bases, strong oxidizing agents

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

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

11. Toxicological Information

Acute toxicity

Assessment of acute toxicity:
Of high toxicity after short-term inhalation. Of moderate toxicity after single ingestion. Virtually nontoxic after a single skin contact.

Experimental/calculated data:
LD50 rat (oral): 560 - 567 mg/kg

LC50 rat (by inhalation): 0.571 mg/l 4 h (OECD Guideline 403)
An aerosol was tested.

LD50 rabbit (dermal): > 2,000 mg/kg
No mortality was observed.

Irritation

Assessment of irritating effects:
Skin contact causes slight irritation. Not irritating to the eyes.

Experimental/calculated data:
Skin corrosion/irritation rabbit:
The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Serious eye damage/irritation rabbit:

Respiratory/Skin sensitization

Assessment of sensitization:
There is no evidence of a skin-sensitizing potential.

Experimental/calculated data:
modified Buehler test guinea pig: (OECD Guideline 406)

Germ cell mutagenicity

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.

Developmental toxicity

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.

Specific target organ toxicity (single exposure):

Assessment of STOT single:

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

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

Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:

The product has not been tested. The statement has been derived from the properties of the individual components. No substance-specific organotoxicity was observed after repeated administration to animals.

Aspiration hazard

No aspiration hazard expected.

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

Other relevant toxicity information

Misuse can be harmful to health. Sweating and accompanying fever, digestive problems, emesis and diarrhea are common initial clinical signs of oral ingestion. Subsequent symptoms may include tremor and convulsions, tachycardia, muscle stiffness and weakness of limbs (sometimes leading to

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paralysis), hepatic and renal dysfunction, pancreatitis, drowsiness and sudden disturbance of consciousness, followed by coma.

12. Ecological Information

Ecotoxicity

Assessment of aquatic toxicity:

Very toxic to aquatic life with long lasting effects.

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Toxicity to fish:

LC50 (96 h) 0.108 mg/l, *Oncorhynchus mykiss* (Flow through.)

Aquatic invertebrates:

EC50 (48 h) 0.0121 mg/l, *Daphnia magna* (static)

Aquatic plants:

EC50 (72 h) 4.09 mg/l, *Selenastrum capricornutum* (OECD Guideline 201)

Information on: Chlorfenapyr

Chronic toxicity to fish:

No observed effect concentration (93 d) 0.003678 mg/l, *Oncorhynchus mykiss*

Information on: Chlorfenapyr

Chronic toxicity to aquatic invertebrates:

No observed effect concentration (28 d), 0.000172 mg/l, *Mysidopsis bahia*

Mobility

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

Assessment transport between environmental compartments:

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

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.

Information on: Chlorfenapyr

Assessment biodegradation and elimination (H₂O):

Not readily biodegradable (by OECD criteria).

Bioaccumulation potential

Assessment bioaccumulation potential:

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

Information on: Chlorfenapyr

Bioaccumulation potential:

Bioconcentration factor: 116, *Cyprinus carpio*

Accumulation in organisms is not to be expected.

Additional information

Other ecotoxicological advice:

Do not discharge product into the environment without control.

13. Disposal Considerations

Must be sent to a suitable incineration plant, observing local regulations.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

14. Transport Information

Domestic transport:

Packing group: III
ID number: UN 3082
Transport hazard class(es): 9, EHS
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains CHLORFENAPYR)

Further information

Hazchem Code:3Z

IERG Number:47

Sea transport

IMDG

Packing group: III
ID number: UN 3082
Transport hazard class(es): 9, EHS
Marine pollutant: YES
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains CHLORFENAPYR)

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Air transport

IATA/ICAO

Packing group:	III
ID number:	UN 3082
Transport hazard class(es):	9, EHSM
Proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains CHLORFENAPYR)

Further information

Environmentally Hazardous Substances meeting the description of UN 3077 or UN 3082 are not subjected to the Australian Dangerous Goods Code when transported by road or rail in packagings not exceeding 500 kg(L) or IBCs.

The following provisions may apply for product in packages containing a net quantity of 5 L or less

ADR, RID, ADN: Special Provision 375;

IMDG: 2.10.2.7;

IATA: A197;

TDG: Special Provision 99(2);

49CFR: §171.4 (c) (2).

15. Regulatory Information**Other regulations**

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP): Schedule 6

APVMA Approval Number: 63575

16. Other Information

Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.