

Safety data sheet

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BASF Safety data sheet

Date / Revised: 11.07.2019

Product: **Poncho Plus Insect. Seed Treatment**

Version: 2.1

(30740587/SDS_CPA_AU/EN)

Date of print 28.10.2019

1. Substance/preparation and manufacturer/supplier identification

Poncho Plus Insect. Seed Treatment

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:

Acute toxicity: Cat. 4 (oral)

Acute toxicity: Cat. 5 (dermal)

Hazardous to the aquatic environment - acute: Cat. 1

Hazardous to the aquatic environment - chronic: Cat. 1

Label elements and precautionary statement:

Pictogram:



Signal Word:

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Warning**Hazard Statement:**

H313	May be harmful in contact with skin.
H302	Harmful if swallowed.
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):

P264	Wash contaminated body parts thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.

Precautionary Statements (Response):

P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P330	Rinse mouth.
P391	Collect spillage.

Precautionary Statements (Disposal):

P501	Dispose of contents/container to hazardous or special waste collection point.
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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, MIXTURE OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1)

3. Composition/information on ingredients

Chemical nature

insecticide, product for seed treatment, Flowable concentrate for seed treatment (FS)

Hazardous ingredients**CLOTHIANIDIN TECHNICAL**

Content (W/W): 28.57 %
 CAS Number: 210880-92-5

Acute Tox.: Cat. 4 (oral)
 Aquatic Acute: Cat. 1
 Aquatic Chronic: Cat. 1
 M-factor acute: 10
 M-factor chronic: 100

2-Imidazolidinimine, 1-[(6-chloro-3-pyridinyl)methyl]-N-nitro-

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Content (W/W): 19.05 % CAS Number: 138261-41-3	Acute Tox.: Cat. 4 (oral) Aquatic Acute: Cat. 1 Aquatic Chronic: Cat. 1 M-factor acute: 10 M-factor chronic: 10
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1,2-benzisothiazol-3(2H)-one

Content (W/W): > 0.05 % - < 0.5 % CAS Number: 2634-33-5	Acute Tox.: Cat. 4 (oral) Skin Corr./Irrit.: Cat. 2 Eye Dam./Irrit.: Cat. 1 Skin Sens.: Cat. 1 Aquatic Acute: Cat. 1 M-factor acute: 1 M-factor chronic: 1
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mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

Content (W/W): > 0.0002 % - < 0.0015 % CAS Number: 55965-84-9	Acute Tox.: Cat. 3 (oral) Acute Tox.: Cat. 2 (Inhalation - mist) Acute Tox.: Cat. 2 (dermal) Skin Corr./Irrit.: Cat. 1B Eye Dam./Irrit.: Cat. 1 Skin Sens.: Cat. 1A Aquatic Acute: Cat. 1 Aquatic Chronic: Cat. 1 M-factor acute: 10 M-factor chronic: 1
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4. First-Aid Measures

General advice:

Remove contaminated clothing. Move person to fresh air. Place and transport casualty in stable position (lying sideways).

If inhaled:

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

On skin contact:

Wash thoroughly with soap and water. After contact with skin, wash immediately with polyethylene glycol, followed by plenty of water. If symptoms persist, seek medical advice.

On contact with eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open. Remove contact lenses, if present. If symptoms persist, seek medical advice.

On ingestion:

Rinse mouth immediately with water. Do not induce vomiting. Seek medical attention.

Note to physician:

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11., dizziness, abdominal cramps, nausea

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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 sand

Specific hazards:
carbon monoxide, hydrogen chloride, hydrogen cyanide, nitrogen oxides, sulfur oxides
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:
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. In case of fire and/or explosion do not breathe fumes. Keep containers cool by spraying with water if exposed to fire.

6. Accidental Release Measures

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

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

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.
Dispose of absorbed material in accordance with regulations. Collect waste in suitable containers, which can be labeled and sealed. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations.

7. Handling and Storage

Handling

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

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. Keep away from food, drink and animal feeding stuffs.

8. Exposure controls and personal protection

Components with occupational exposure limits

No occupational exposure limits known.

Personal protective equipment

Respiratory protection:

Respiratory protection not required.

Hand protection:

Chemical resistant protective gloves

Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166)

Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

General safety and hygiene measures:

The statements on personal protective equipment in the instructions for use apply when handling crop-protection agents in final-consumer packing. Wearing of closed work clothing is recommended. Avoid contact with skin and eyes. Store work clothing separately. Keep away from food, drink and animal feeding stuffs.

9. Physical and Chemical Properties

Form:	liquid
Colour:	red
Odour:	bitter almond-like
Odour threshold:	Not determined due to potential health hazard by inhalation.
pH value:	approx. 5 - 7 (deionized water, 1 %(m), 20 °C)
Melting point:	The product has not been tested.
Boiling point:	The product has not been tested.
Flash point:	Study technically not feasible.

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Evaporation rate: not applicable

Flammability (solid/gas): not applicable
 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: 375 °C (Regulation 440/2008/EC, A.15)

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Self heating ability: not applicable

Explosion hazard: not explosive (Directive 92/69/EEC, A.14)
 Fire promoting properties: not fire-propagating (Regulation 440/2008/EC, A.21)

Vapour pressure: The product has not been tested.

Density: approx. 1.26 g/cm³
 (20 °C)

Relative density: 1.266 (OECD Guideline 109)
 (20 °C, 4 hPa)
 1.252 (OECD Guideline 109)
 (40 °C, 4 hPa)

Relative vapour density (air): not applicable

Solubility in water: dispersible
 (20 °C)

Partitioning coefficient n-octanol/water (log Pow):
 The statements are based on the properties of the individual components.

Information on: imidacloprid
 Partitioning coefficient n-octanol/water (log Pow): 0.57
 (20 °C)

Information on: Clothianidin
 Partitioning coefficient n-octanol/water (log Pow): 0.7
 (25 °C)

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Surface tension:	31 mN/m (25 °C)	(OECD-Guideline 115)
	44 mN/m (20 °C; 1 g/l)	(OECD-Guideline 115)
Viscosity, dynamic:	307.9 mPa.s (20 °C, 20 1/s)	
	108.4 mPa.s (20 °C, 100 1/s)	
	243.6 mPa.s (40 °C, 20 1/s)	
	80.81 mPa.s (40 °C, 100 1/s)	

Other Information:

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

10. Stability and Reactivity

Conditions to avoid:

Avoid extreme temperatures. Avoid direct sunlight.

Thermal decomposition:

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 moderate toxicity after single ingestion. Virtually nontoxic by inhalation. Of low toxicity after short-term skin contact.

Experimental/calculated data:

LD50 rat (oral): > 300 - < 2,000 mg/kg (OECD Guideline 423)

LD50 rat (dermal): > 2,000 mg/kg (similar to OECD guideline 402)

Information on: CLOTHIANIDIN TECHNICAL**Experimental/calculated data:**

LC50 rat (by inhalation): > 5.54 mg/l 4 h (Directive 92/69/EEC, B.2)

Highest concentration capable of testing. No mortality was observed. An aerosol was tested.

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Information on: imidacloprid (ISO); 1-(6-chloropyridin-3-ylmethyl)-N-nitroimidazolidin-2-ylidenamine
Experimental/calculated data:
LC50 rat (by inhalation): 5.323 mg/l 4 h
Tested as dust aerosol.

Irritation

Assessment of irritating effects:
Not irritating to the eyes. Not irritating to the skin.

Experimental/calculated data:
Skin corrosion/irritation rabbit: (OECD Guideline 404)

Serious eye damage/irritation rabbit: (OECD Guideline 405)

Respiratory/Skin sensitization

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

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

mouse: (similar to OECD guideline 429)

Germ cell mutagenicity

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

Reproductive toxicity

Assessment of reproduction toxicity:
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 fertility impairing effect at doses which were not toxic to the parental animals.

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

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

No aspiration hazard expected.

Other relevant toxicity information

Misuse can be harmful to health.

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 the properties of the individual components.

Information on: CLOTHIANIDIN TECHNICAL

Toxicity to fish:

LC50 (96 h) > 104.2 mg/l, *Oncorhynchus mykiss* (OECD Guideline 203, static)

LC50 (96 h) > 117 mg/l, *Lepomis macrochirus* (EPA 72-1, static)

Information on: imidacloprid (ISO); 1-(6-chloropyridin-3-ylmethyl)-N-nitroimidazolidin-2-ylidenamine

Toxicity to fish:

LC50 (96 h) 211 mg/l, *Oncorhynchus mykiss*

Information on: CLOTHIANIDIN TECHNICAL

Aquatic invertebrates:

EC50 (48 h) 40 mg/l, *Daphnia magna* (OPP 72-2 (EPA-guideline), static)

EC50 (48 h) 0.029 mg/l, *Chironomus riparius* (static)

Information on: imidacloprid (ISO); 1-(6-chloropyridin-3-ylmethyl)-N-nitroimidazolidin-2-ylidenamine

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Aquatic invertebrates:

EC50 (48 h) 85 mg/l, *Daphnia magna*EC50 (24 h) 0.0552 mg/l, *Chironomus riparius*LC50 (96 h) 0.0359 mg/l, *Americamysis bahia*

Information on: CLOTHIANIDIN TECHNICAL

Aquatic plants:

EC50 (72 h) > 120 mg/l (growth rate), *Pseudokirchneriella subcapitata* (static)No observed effect concentration (72 h) 15 mg/l (growth rate), *Pseudokirchneriella subcapitata* (static)EC50 (14 d) > 121 mg/l, *Lemna gibba* (other, semistatic)No observed effect concentration (14 d) 59 mg/l, *Lemna gibba* (other, semistatic)

Information on: imidacloprid (ISO); 1-(6-chloropyridin-3-ylmethyl)-N-nitroimidazolidin-2-ylidenamine

Aquatic plants:

EC50 (72 h) > 10 mg/l (growth rate), *Scenedesmus subspicatus*No observed effect concentration (72 h) 10 mg/l (growth rate), *Scenedesmus subspicatus*

Information on: CLOTHIANIDIN TECHNICAL

Chronic toxicity to aquatic invertebrates:

No observed effect concentration (21 d), 0.12 mg/l, *Daphnia magna* (OECD Guideline 211, semistatic)EC10 (28 d), 0.00072 mg/l, *Chironomus riparius* (other, static)

Information on: imidacloprid (ISO); 1-(6-chloropyridin-3-ylmethyl)-N-nitroimidazolidin-2-ylidenamine

Chronic toxicity to aquatic invertebrates:

No observed effect concentration (21 d), 1.8 mg/l, *Daphnia magna* (semistatic)EC10 (28 d), 0.00209 mg/l, *Chironomus riparius* (static)

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: CLOTHIANIDIN TECHNICAL

Assessment transport between environmental compartments:

Following exposure to soil, the product trickles away and can - dependant on degradation - be transported to deeper soil areas with larger water loads.

Information on: imidacloprid (ISO); 1-(6-chloropyridin-3-ylmethyl)-N-nitroimidazolidin-2-ylidenamine

Assessment transport between environmental compartments:

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Following exposure to soil, the product trickles away and can - dependant on degradation - be transported to deeper soil areas with larger water loads.

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: CLOTHIANIDIN TECHNICAL

Assessment biodegradation and elimination (H₂O):

Not readily biodegradable (by OECD criteria).

Information on: imidacloprid (ISO); 1-(6-chloropyridin-3-ylmethyl)-N-nitroimidazolidin-2-ylidenamine

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: CLOTHIANIDIN TECHNICAL

Information on: imidacloprid (ISO); 1-(6-chloropyridin-3-ylmethyl)-N-nitroimidazolidin-2-ylidenamine

Assessment bioaccumulation potential:

Does not accumulate in organisms.

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, EHSM

Proper shipping name:

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

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N.O.S. (contains CLOTHIANIDINE SOLUTION)

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 CLOTHIANIDINE SOLUTION)

Air transport

IATA/ICAO

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

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.

15. Regulatory Information

Other regulations

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

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

APVMA Approval No: 67779

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.