

Safety Data Sheet

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BASF Safety Data Sheet

Date / Revised: 08.11.2023

Version: 4.0

Product: **PONCHO®**

(Ref ID no. 30715206/SDS_CPA_NZ/EN)

1. Identification

Product identifier

PONCHO®

Recommended uses and restrictions on use (if any)

Recommended use:

crop protection product, insecticide.

Restricted use:

not applicable

Manufacturer / Supplier

BASF New Zealand Limited
5E City Works Depot,
77 Cook Street
Auckland 1010
NEW ZEALANDPhone: + 64 9 255 4300
0800 932 273

E-mail address: reception@basf-nz.co.nz

Emergency telephone number

National Poisons Centre: 0800 764 766

BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)

2. Hazard Identification

Classification of the substance or mixture

| | | |
|--|---|------------|
| Acute oral toxicity | : | Category 4 |
| Eye irritation | : | Category 2 |
| Skin sensitization | : | Category 1 |
| Specific target organ toxicity - repeat exposure | : | Category 2 |
| Aquatic environment – acute | : | Category 1 |
| Aquatic environment - chronic | : | Category 1 |
| Hazardous to soil organisms | | |
| Hazardous to terrestrial vertebrates | | |
| Hazardous to terrestrial invertebrates | | |

GHS Label Elements, including Precautionary Statements:

Signal Word:
 WARNING.

Pictograms:



GHS Hazard Statements

H302 : Harmful if swallowed.
 H317 : May cause an allergic skin reaction.
 H319 : Causes serious eye irritation.
 H373 : May cause damage to organs through prolonged or repeated exposure.
 H400 : Very toxic to aquatic life.
 H410 : Very toxic to aquatic life with long lasting effects.
 : Hazardous to soil organisms.
 : Hazardous to terrestrial vertebrates.
 : Hazardous to terrestrial invertebrates.

GHS Precautionary Statements (Prevention)

P102 : Keep out of reach of children.
 P103 : Read label before use.
 P260 : Do not breathe mist, vapours and spray.
 P264 : Wash hands and face thoroughly after handling.
 P270 : Do not eat, drink or smoke when using this product.
 P272 : Contaminated clothing should not be allowed out of the workplace.
 P280 : Wear protective gloves, protective clothing, eye/face protection.

GHS Precautionary Statements (Response)

P101 : If medical advice is needed, have product container or label at hand.
 P301 + P312 : IF SWALLOWED: Call a POISON CENTER/doctor/physician if you feel unwell.
 P330 : Rinse mouth.
 P302 + P352 : IF ON SKIN: Wash with plenty of soap and water.
 P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P314 : Get medical advice / attention if you feel unwell.
 P321 : Specific treatment (see supplemental first aid instructions on this label).
 P333 + P313 : If skin irritation or rash occurs: Get medical advice/attention.
 P337 + P313 : If eye irritation persists: Get medical advice/ attention.
 P363 : Wash contaminated clothing before reuse.
 P391 : Collect spillage.

GHS Precautionary Statements (Storage)

No specific storage requirements.

GHS Precautionary Statements (Disposal):

P501 : Dispose of contents/container to hazardous or special waste collection point.
 Information regarding disposal considerations can be found in section 13.

Other hazards

See section 12 - Results of PBT and vPvB assessment.

To avoid risks to human health and the environment, comply with the instructions for use.

May cause an allergic reaction. Contains: Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

3. Composition/Information on Ingredients

Substances

Not applicable

Mixtures

Hazardous ingredients (GHS)

According to UN GHS criteria

Clothianidin technical

Content (W/W): 48.23 %

CAS Number: 210880-92-5

Mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

Content (W/W): <0.0015%

CAS Number: 55965-84-9

Glycerol

Content (W/W): <10%

CAS Number: 56-81-5

Propane-1,2-diol

Content (W/W): <5%

CAS Number: 57-55-6

4. First-Aid Measures

Description of necessary 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.

On skin contact:

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

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.

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 labelling phrases available in Section 2 and in the Toxicological assessments available in Section 11., (Further) symptoms and / or effects are not known so far.

Indication of any immediate medical attention and special treatment needed

Treatment:

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

Medical advice:

Contact the National Poisons and Hazardous Chemicals Information centre.
Phone 0800 POISON (0800 764 766).

5. Fire-Fighting Measures

Suitable extinguishing media

Water spray, dry powder, foam, carbon dioxide

Unsuitable extinguishing media for safety reasons

Water jet

Specific hazards

carbon monoxide, hydrogen chloride, hydrogen cyanide, carbon dioxide, nitrogen oxides, sulfur oxides, halogenated compounds

The substances/groups of substances mentioned can be released in case of fire.

No special precautions necessary. The substance/product is non-combustible. Product is not explosive.

Special protective equipment for fire-fighters

Wear self-contained breathing apparatus and chemical-protective clothing.

Precautions for fire-fighters

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, Protective equipment and Emergency procedures

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

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

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 labelled and sealed. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations.

7. Handling and Storage

Precautions for safe 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.

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.

Storage stability: 24 months.

Protect from temperatures below -10°C.

Changes in the properties of the product may occur if substance / product is stored below indicated temperature for extended periods of time.

Protect from temperatures above 40°C.

Changes in the properties of the product may occur if substance / product is stored above indicated temperature for extended periods of time.

8. Exposure Controls/Personal Protection

Control parameters

Occupational exposure limits

| | |
|-------------|---|
| Component: | Glycerol |
| CAS Number: | 56-81-5 |
| TWA Value: | 10 mg/m ³ (source: WES 2022), Mist |
| Component: | Propane-1,2-diol |
| CAS Number: | 57-55-6 |
| TWA Value: | 10 mg/m ³ (source: WES 2022), Particulate |
| TWA Value: | 150 ppm; 474 mg/m ³ (source: WES 2022), Vapour and Particulates |
| Component: | Guanidine, N-[(2-chloro-5-thiazolyl)methyl]-N'-methyl-N"-nitro-, [C(E)]-, |
| CAS Number: | 210880-92-5 |
| TWA Value: | 1.56 mg/m ³ (source: BASF recommendation OEL), BASF expert judgement |
| TWA Value: | 0.1 mg/m ³ (source: ACGIHTLV), inhalable fraction |

Engineering controls

Maintain air concentrations below occupational exposure standards.

Personal protective equipment

Respiratory protection:

Suitable respiratory protection for lower concentrations or short-term effect: Combination filter for gases/vapours of organic, inorganic, acid inorganic and alkaline compounds (e.g. EN 14387 Type ABEK-P3).

Hand protection:

Suitable chemical resistant safety gloves (EN 374-1) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374-1): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) etc.

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. Store work clothing separately. Keep away from food, drink and animal feeding stuffs.

9. Physical and Chemical Properties

| | |
|---|--|
| Form: | Liquid |
| Colour: | Red |
| Odour: | characteristic |
| Odour threshold: | Not determined due to potential health hazard by inhalation |
| pH value: | Approx. 4 – 6 (deionised water, 1% (m), 20°C) |
| Melting point: | The product has not been tested. |
| Boiling point: | Approx. 100°C (information based on the main component/s). |
| Flash point: | >100°C |
| 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: | 465°C |
| Vapour pressure: | The product has not been tested. |
| Density: | Approx. 1.26 g/cm ³ (20°C) Approx. 1.25 g/cm ³ (50°C) Approx. 1.24 g/cm ³ (55°C) |
| Relative vapour density (air): | Not applicable |
| Solubility in water: | Miscible The statements are based on the properties of the individual components. Information on Clothianidin Technical: |
| Partitioning coefficient n-octanol/water (log Pow): | 0.7 (25°C) |
| Thermal decomposition: | No decomposition if stored and handled as prescribed / indicated. |
| Explosion hazard: | Not explosive |
| Fire promoting properties: | Not fire-propagating |
| Surface tension: | 42 mN/m (20°C) |

| | |
|-----------------------|-------------------------------|
| Viscosity, dynamic: | 360.4 mPa.s (20°C, 20 1/s) |
| | 353.5 mPa.s (40°C, 20 1/s) |
| | 127.7 mPa.s (20°C, 100 1/s) |
| | 167.8 mPa.s (40°C, 100 1/s) |
| Viscosity, kinematic: | 283 mm ² /s (20°C) |
| | 281 mm ² /s (40°C) |
| | 136 mm ² /s (20°C) |
| | 133 mm ² /s (40°C) |

10. Stability and Reactivity

Reactivity

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

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

See SDS section 7 - Handling and storage.

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

Incompatible materials / Substances to avoid

Strong acids, strong bases, strong oxidizing agents

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 non-toxic after a single skin contact. Virtually non-toxic by inhalation. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Experimental/calculated data:

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

LC50 rat (by inhalation): >2.49 mg/l 4 h
Highest concentration technically achievable.
No mortality was observed. An aerosol was tested.

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

Skin Corrosion / Irritation

Assessment of irritating effects:

Not irritating to the skin. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Experimental/calculated data:

Skin corrosion/irritation rabbit: non-irritant

Serious Eye Damage / Irritation

Assessment of irritating effects:

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

Experimental/calculated data:

Serious eye damage/irritation rabbit: Irritant.

Respiratory or Skin sensitization

Assessment of sensitization:

Sensitization after skin contact possible.

Experimental/calculated data:

Mouse Local Lymph Node Assay (LLNA) mouse: sensitizing.

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

Reproductive toxicity

Assessment of reproduction toxicity:

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

Developmental toxicity

Assessment of teratogenicity:

Animal studies gave no indication of a developmental toxic effect at doses that were not toxic to the parental animals. The product has not been tested. The statement has been derived from the properties of the individual components.

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.

Information on: mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

Assessment of repeated dose toxicity:

After repeated exposure the prominent effect is local irritation. Based on available data, the classification criteria are not met.

Information on: Clothianidin Technical

Assessment of repeated dose toxicity:

Repeated oral exposure to large quantities may affect certain organs. Based on the available data, the classification criteria are met.

Aspiration hazard

No aspiration hazard expected.

Other relevant toxicity information

Misuse can be harmful to health.

12. Ecological Information**Ecotoxicity - Aquatic**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): >213 mg/l, *Oncorhynchus mykiss*

NOEC (33d): 20 mg ai/l, *Pimephales promelas*, CLOTHIANIDIN Technical

Aquatic invertebrates:

EC50 (48 h) 195 mg/l, *Daphnia magna*

EC50 (48 h) 0.0557 mg/l, *Chironomus riparius*

NOEC (21 d) 0.12 mg ai/l, *Daphnia magna*, (semi static), CLOTHIANIDIN Technical

EC10 (28 d) 0.0004 mg ai/l, *Chironomus riparius* (other static), CLOTHIANIDIN Technical

Aquatic plants:

EC50 (72 h) 368 mg/l (growth rate), *Pseudokirchneriella subcapitata*

NOEC (72 h) 49 mg/l (growth rate), *Pseudokirchneriella subcapitata*

Ecotoxicity - TerrestrialAssessment of terrestrial toxicity:

Hazardous to terrestrial vertebrates. The product has not been tested. The statement has been derived from the properties of the active ingredient.

Toxicity to birds:

Acute LD50: 430 mg ai/l, *Colinus virginianus*, CLOTHIANIDIN Technical

Toxicity to soil organisms:

LC50 (14d): 13.21 mg ai/kg, *Eisenia fetida*, CLOTHIANIDIN Technical

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Toxicity to Pollinators:

LD50 (oral): 0.004 µg ai/bee, *Apis mellifera*, CLOTHIANIDIN Technical
LD50 (contact): 0.044 µg ai/bee, *Apis mellifera*, CLOTHIANIDIN Technical

Persistence and degradabilityAssessment 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.

Bioaccumulative potentialAssessment bioaccumulation potential:

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

Information on: CLOTHIANIDIN Technical

Bioaccumulation potential:

Bioconcentration factor:
Does not accumulate in organisms.

Mobility in soilAssessment 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 - dependent on degradation - be transported to deeper soil areas with larger water loads.

Results of PBT and vPvB assessment

The product does not contain a substance fulfilling the PBT (persistent/bioaccumulative/toxic) criteria or the vPvB (very persistent/very bioaccumulative) criteria.

Other adverse effectsOther ecotoxicological advice:

Do not discharge product into the environment without control.
Do not apply onto or into water.

13. Disposal Considerations

Container:

Triple rinse empty container and add rinsate to the spray tank. Recycle through Agrecovery (0800 247 326, www.agrecovery.co.nz). Do not use container for any other purpose.

Product:

Dispose of this product only by using according to the label or at an approved facility. Do NOT burn product. Do NOT contaminate water with product or used container.
Waste product/package may be sent to a suitable incineration plant, observing local regulations.

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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**Commercial transport:**

Classified as dangerous good(s) for Land/rail (ADR/RID), sea (IMDG) and air transport (ICAO/IATA):

Land / Rail / Road (ADR/RID):

| | |
|---|---|
| UN number: | UN 3082 |
| UN proper shipping name: | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains Clothianidin) |
| Transport hazard class(es) / UN DG Class: | 9, (EHSM) |
| Packing group: | III |
| Environmental hazards: | Yes, marine pollutant |
| HAZCHEM: | 3Z |
| IERG Number: | 47 |
| Special precautions when transporting the substance: | None known |

Sea transport (IMDG):

| | |
|---|---|
| UN number: | UN3082 |
| UN proper shipping name: | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains Clothianidin) |
| Transport hazard class(es): | 9, EHSM |
| Packing group: | III |
| Environmental hazards: | marine pollutant |
| Marine pollutant: | Yes |
| Special precautions when transporting the substance: | EmS: F-A; S-F |

Air transport (IATA / ICAO):

| | |
|---|---|
| UN number: | UN3082 |
| UN proper shipping name: | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains Clothianidin) |
| Transport hazard class(es): | 9, EHSM |
| Packing group: | III |
| Environmental hazards: | Yes |
| Special precautions when transporting the substance: | None known |

Additional Information:

Product may be shipped as non-hazardous in suitable packages containing a net quantity of 5 L or less under the provisions of various regulatory agencies: ADR, RID, ADN: Special Provision 375; IMDG: 2.10.2.7; IATA: A197; TDG: Special Provision 99(2); 49CFR: §171.4 (c) (2) and also the Special Provision 375 in Appendix B which is regulated in China "Regulations Concerning Road Transportation of Dangerous Goods Part 3: Index of dangerous goods name and transportation requirements" (JT/T 617.3).

15. Regulatory Information

HSNO Approval Number

HSR100825.

See www.epa.govt.nz for approval conditions.

Tolerable Exposure Limit or Environmental Exposure Limit

TEL: None set
 EEL: None set

Relevant Regulatory Requirements

Qualifications: Required. Refer to label.
 Certified Handler: Not required
 Tracking: Not required
 Record Keeping: Required. Refer to label.
 Restricted to Workplace: Not applicable.
 Controlled substance licence: Not required

ACVM Registration

P005967

See www.foodsafety.govt.nz/acvm for registration conditions.

International Agreements related to the substance such as Montreal Protocol, the Stockholm Convention or Rotterdam Convention

not applicable

16. Other Information

Date of preparation of the SDS

8 November 2023

Key or legend to abbreviations and acronyms used

| | |
|-------------|--|
| ACGIH | The American Conference of Governmental Industrial Hygienists |
| ACVM | Agricultural Compounds and Veterinary Medicines |
| ADN | International Carriage of Dangerous Goods by Inland Waterways (EU) |
| ADR/RID | Dangerous Goods for Road / Rail |
| DG | Dangerous Goods |
| EC50 | Median effective concentration |
| EEL | Environmental Exposure Limit |
| EHSM | Environmental Health and Safety Management |
| EPA | Environmental Protection Authority |
| EU | European Union |
| GHS | Globally Harmonised System |
| ICAO | International Civil Aviation Organisation |
| IATA | International Air Transport Association |
| IERG | International Emergency Response Guide |
| IMDG | International Maritime Dangerous Goods |
| LD50 | Lethal concentration to 50% of the test population |
| NOEC | No Observed Effect Concentration |
| N.O.S. | Not Otherwise Specified |
| OEL | Operator Exposure Limits |
| PBT or vPvP | Persistent / Bioaccumulative / Toxic or very Persistent / very Bioaccumulative |
| SDS | Safety Data Sheet |
| STOT | Specific Target Organ Toxicity |
| TDG | Transportation of Dangerous Goods |
| TEL | Tolerable Exposure Limit |

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TLVs

UN GHS

WES

49CFR

Threshold Limit Values

United Nations Globally Harmonised System

Workplace Exposure Standards

Code of Federal Regulations Title 49 for Transportation

For proper and safe use of this product, please refer to the approval conditions laid down on the product label.

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.