

# Safety Data Sheet

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BASF Safety Data Sheet

Date / Revised: 25.10.2023

Product: **PONCHO®VOTIVO®**

Version: 1.1

(30740597/SDS\_CPA\_NZ/EN)

## 1. Identification

### Product identifier

**PONCHO®VOTIVO®**

### Recommended uses and restrictions on use (if any)

#### Recommended use:

crop protection product, insecticide.

#### Restricted use:

Seed treatment only.

### 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
Respiratory sensitization	:	Category 1
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:

DANGER.

#### Pictograms:



#### GHS Hazard Statements

- H302 : Harmful if swallowed.  
 H317 : May cause an allergic skin reaction.  
 H334 : May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
 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.  
 P261 : Avoid breathing 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.  
 P285 : In case of inadequate ventilation wear respiratory 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.  
 P304 + P341 : IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.  
 P342 + P311 : If experiencing respiratory symptoms: call a POISON CENTER or doctor/physician.  
 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.  
 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

Other hazards which do not result in classification:  
 See section 12 - Results of PBT and vPvB assessment.

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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.

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

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

#### Substances

Not applicable

#### Mixtures

Contains: Bacillus firmus

#### Hazardous ingredients (GHS)

According to UN GHS criteria

Clothianidin Technical

Content (W/W): 39.7 %  
CAS Number: 210880-92-5

Bacillus Firmus I-1582 Technical

Content (W/W): 8%

1,2-benzisothiazol-3(2H)-one

Content (W/W): <0.05%  
CAS Number: 2634-33-5

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

Sodium chloride

Content (W/W): >5%  
CAS Number: 7647-14-5

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:

Remove contaminated clothing. If symptoms persist, seek medical advice. Move person to fresh air.

##### If inhaled:

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

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On skin contact:

Wash thoroughly with soap and water.

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:

DO NOT induce vomiting. Immediately rinse mouth. 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).

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## 5. Fire-Fighting Measures

**Suitable extinguishing media**

Water spray, dry powder, foam, carbon dioxide, dry sand

**Specific hazards**

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

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

No special precautions necessary. The 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.

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## 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, kieselsguhr).

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 0°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 30°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 (Mist):	10 mg/m <sup>3</sup> (source: WES 2022)

Component:	Propane-1,2-diol
CAS Number:	57-55-6
TWA Value (Particulates):	10 mg/m <sup>3</sup> (source: WES 2022)
TWA Value (Vapour and Particulates):	150 ppm, 474 mg/m <sup>3</sup> (source: WES 2022)

### Engineering controls

Maintain air concentrations below occupational exposure standards.

### Personal protective equipment

#### Respiratory protection:

Not required.

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. 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:	Dark grey
Odour:	musty
Odour threshold:	Not determined due to potential health hazard by inhalation
pH value:	Approx. 5 – 8 (100% (m), 23°C)
Melting point:	The product has not been tested.
Boiling point:	Approx. 99°C
Flash point:	>99°C
	No flash point – measurement made up to the boiling point.
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:	Based on the water content the product does not ignite.
Vapour pressure:	The product has not been tested.
Density:	Approx. 1.28 g/cm <sup>3</sup> (20°C)
Relative vapour density (air):	Not applicable
Solubility in water:	Dispersible
Partitioning coefficient n-octanol/water (log Pow):	Not applicable
Thermal decomposition:	No decomposition if stored and handled as prescribed / indicated.
Explosion hazard:	Based on the chemical structure there is no indication of explosive properties.
Fire promoting properties:	Based on its structural properties the product is not classified as oxidising.
Viscosity, dynamic:	Approx. 500-850 mPa.s (25°C) Approx. 280-480 mPa.s (20°C, 20 1/s) Approx. 170-320 mPa.s (20°C, 100/s)

## 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 thermal decomposition if stored and handled as prescribed / intended.

### 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.

#### Experimental/calculated data:

LD50 rat (oral): 2,000 mg/kg

LC50 rat (by inhalation): >2.03 mg/l 4 h  
Highest concentration capable of testing. An aerosol was tested.

LD50 rat (dermal): >5,000 mg/kg

### Skin Corrosion / Irritation

#### Assessment of irritating effects:

Not irritating to the skin.

#### Experimental/calculated data:

Skin corrosion/irritation rabbit: non-irritant

### Serious Eye Damage / Irritation

#### Assessment of irritating effects:

Not irritating to the eyes.

#### Experimental/calculated data:

Serious eye damage/irritation rabbit: non-irritant.

### Respiratory or Skin sensitization

#### Assessment of sensitization:

There is no evidence of a skin-sensitising potential.

### **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.

Information on: sodium chloride

#### Assessment of carcinogenicity:

The substance showed tumour-promoting activity in rodents when given at high doses in the diet after pre-treatment with a carcinogenic substance. No carcinogenic potential can be deduced from other studies with rats and mice.

### **Reproductive toxicity**

#### Assessment of reproduction toxicity:

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

Information on: Clothianidin:

#### Assessment of reproduction toxicity:

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.

Information on: Clothianidin

#### Assessment of teratogenicity:

Causes developmental effects in animals at high, maternally toxic doses.

### **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: sodium chloride

#### Assessment of repeated dose toxicity:

Repeated exposure to large quantities may affect certain organs.



**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): >104.2 mg ai/l, *Oncorhynchus mykiss*, Clothianidin Technical

LC50 (96 h): >117 mg ai/l, *Lepomis macrochirus*, Clothianidin Technical

NOEC (28 d): 20 mg ai/l, *Pimephales promelas*, Clothianidin Technical

LC50 (96 h): >100 mg ai/l (>1.05\*10<sup>10</sup> CFU/L), *Oncorhynchus mykiss*, Bacillus firmus I-1582

Aquatic invertebrates:

EC50 (48 h): 40 mg ai/l, *Daphnia magna*, Clothianidin Technical

EC50 (48 h): 0.029 mg ai/l, *Chironomus riparius*, Clothianidin Technical

NOEC (21 d): 0.12 mg ai/l, *Daphnia magna*, Clothianidin Technical

EC10 (28 d): 0.00072 mg ai/l, *Chironomus riparius*, Clothianidin Technical

EC50 (48 h): >100 mg ai/l (>1.05\*10<sup>10</sup> CFU/L), *Daphnia magna*, Bacillus firmus I-1582

NOEC (21 d): 1.04\*10<sup>8</sup> CFU/L, *Daphnia magna*, Bacillus firmus I-1582  
 Limit concentration test only (LIMIT test).

Aquatic plants:

EC50 (72 h): 120 mg ai/l (growth rate), *Pseudokirchneriella subcapitata*, Clothianidin Technical

NOEC (72 h): 15 mg ai/l (growth rate), *Pseudokirchneriella subcapitata*, Clothianidin Technical

EC50 (14 d): >121 mg ai/l, *Lemna gibba*, Clothianidin Technical

NOEC (14 d): 59 mg ai/l, *Lemna gibba*, Clothianidin Technical

EC50 (72 h): 24.2 mg ai/l (17.2\*10<sup>8</sup> CFU/L), (growth rate), *Pseudokirchneriella subcapitata*, Bacillus firmus I-1582

EC10 (72 h): 12.12 mg ai/l, (growth rate), *Pseudokirchneriella subcapitata*, Bacillus firmus I-1582

**Ecotoxicity - Terrestrial**Assessment 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 oral LD50: 430 mg ai/l, *Colinus virginianus*, Clothianidin (ISO)

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Toxicity to soil organisms:  
LC50 (14d) 13.21 mg ai/kg, *Eisenia fetida*, Clothianidin (ISO)

Toxicity to Pollinators:  
LD50 (oral): 0.004 µg ai/bee, *Apis mellifera*, Clothianidin (ISO)  
LD50 (contact): 0.044 µg ai/bee, *Apis mellifera*, Clothianidin (ISO)

### **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.

### **Bioaccumulative 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

#### Bioaccumulation potential:

Bioconcentration factor:

Because of the n-octanol/water distribution coefficient (log Pow) 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: 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 effects**

#### Other ecotoxicological advice:

Do not discharge product into the environment without control.

Do not apply onto or into water.

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## **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](http://www.agrecovery.co.nz)). Do not use container for any other purpose.

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**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/packaging may 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****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 solution)
Transport hazard class(es) / UN DG Class:	9, (EHSM)
Packing group:	III
Environmental hazards:	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 solution)
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 solution)
Transport hazard class(es):	9, EHSM
Packing group:	III
Environmental hazards:	Yes, marine pollutant
Special precautions when transporting the substance:	None known

## 15. Regulatory Information

### HSNO Approval Number

HSR101149.

See [www.epa.govt.nz](http://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

P009176

See [www.foodsafety.govt.nz/acvm](http://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

25 October 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.