

Bayer CropScience
Safety Data Sheet
Poncho® Plus Seed Treatment Insecticide



Version 1 / AUS
102000014751

Revision Date: 18.11.2014
Print Date: 18.11.2014

SECTION 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name	Poncho® Plus Seed Treatment Insecticide
Other names	none
Product code (UVP)	79124430
Recommended use	Insecticide, Seed treatment
Chemical Formulation	Flowable concentrate for seed treatment (FS)
Company	Bayer Cropscience Pty Ltd –ABN 87 000 226 022 391-393 Tooronga Road, East Hawthorn Victoria 3123, Australia
Telephone	(03) 9248 6888
Technical Information Service	1800 804 479
Facsimile	(03) 9248 6800
Website	www.bayercropscience.com.au
Emergency telephone no.	1800 033 111 Orica SH&E Shared Services

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

HAZARDOUS SUBSTANCE

DANGEROUS GOODS

Hazardous classification	Hazardous (National Occupational Health and Safety Commission - NOHSC)
R-phrases(s)	R22 - Harmful if swallowed. R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
S-phrases(s)	See sections 4, 5, 6, 7, 8, 10, 12, 13.
ADG Classification	"Dangerous goods" for transport by road or rail according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. - See Section 14.
SUSMP classification (Poison Schedule)	Schedule 6 (Standard for the Uniform Scheduling of Medicines and Poisons)

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No.	Concentration [%]
Clothianidin	210880-92-5	28.57
Imidacloprid	138261-41-3	19.05
Glycerine	56-81-5	>= 1.00
1,2-Benzisothiazol-3(2H)-one	2634-33-5	0.19
Mixture of 5-Chlor-2-methyl-3(2H)-isothiazolon and 2-Methyl-2H-isothiazol-3-on	55965-84-9	0.10
Other ingredients (non-hazardous) to 100%		

SECTION 4. FIRST AID MEASURES



If poisoning occurs, immediately contact a doctor or Poisons Information Centre (telephone 13 11 26), and follow the advice given. Show this Safety Data Sheet to the doctor.

Inhalation

Move to fresh air. Keep patient warm and at rest. Call a physician or poison control center immediately.

Skin contact

Wash off thoroughly with plenty of soap and water, if available with polyethyleneglycol 400, subsequently rinse with water.

Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Get medical attention if irritation develops and persists.

Ingestion

Rinse mouth. Do NOT induce vomiting. Call a physician or poison control center immediately.

Notes to physician

Symptoms

If large amounts are ingested, the following symptoms may occur: Dizziness, Abdominal pain, Nausea, Symptoms and hazards refer to effects observed after intake of significant amounts of the active ingredient(s).

Treatment

Treat symptomatically.
Monitor: respiratory and cardiac functions.
In case of ingestion gastric lavage should be considered in cases of significant ingestions only within the first 2 hours. However, the application of activated charcoal and sodium sulphate is always advisable.
There is no specific antidote.

SECTION 5. FIRE FIGHTING MEASURES

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Hazards from combustion products

In the event of fire the following may be released:
Hydrogen chloride (HCl)
Hydrogen cyanide (hydrocyanic acid)
Carbon monoxide (CO)
Nitrogen oxides (NOx)
Sulphur oxides

Precautions for fire-fighting

In the event of fire and/or explosion do not breathe fumes.
In the event of fire, wear self-contained breathing apparatus.
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Evacuate personnel to safe areas.
Remove product from areas of fire, or otherwise cool containers with water in order to avoid pressure being built up due to heat.



Whenever possible, contain fire-fighting water by diking area with sand or earth.

Hazchem Code •3Z

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Avoid contact with spilled product or contaminated surfaces.
Remove all sources of ignition.
When dealing with a spillage do not eat, drink or smoke.
Use personal protective equipment.
Keep unauthorized people away.

Environmental precautions

Contain contaminated water and fire fighting water.
Do not allow to get into surface water, drains and ground water.
If the product contaminates rivers and lakes or drains inform respective authorities.

Methods for cleaning up

Clean contaminated floors and objects thoroughly, observing environmental regulations.
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Collect and transfer the product into a properly labelled and tightly closed container.
Decontaminate tools and equipment following cleanup.

Reference to other sections

Information regarding safe handling, see section 7.
Information regarding personal protective equipment, see section 8.
Information regarding waste disposal, see section 13.

SECTION 7. HANDLING AND STORAGE

Handling

Hygiene measures

Avoid contact with skin, eyes and clothing.
Keep working clothes separately.
Wash hands before breaks and immediately after handling the product.
Remove soiled clothing immediately and clean thoroughly before using again.
Garments that cannot be cleaned must be destroyed (burnt).

Storage

Requirements for storage areas and containers

Store in original container.
Keep containers tightly closed in a dry, cool and well-ventilated place.
Store in a place accessible by authorized persons only.
Keep away from direct sunlight.
Protect from frost.

Advice on common storage

Keep away from food, drink and animal feedingstuffs.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Control parameters	Update	Basis
Glycerine (Inspirable dust.)	56-81-5	10 mg/m ³ (TWA)	08 2005	AU OEL



For further details on the Occupational Exposure Standards, see Section 16.

Biological limit values
none

Personal protective equipment - End user

Hand protection	Elbow-length PVC or nitrile gloves
Eye protection	Face-shield or goggles
Skin and body protection	Cotton overall buttoned to the neck and wrist Washable hat

Engineering Controls

Advice on safe handling
Use only in area provided with appropriate exhaust ventilation.
For personal protection see section 8.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form	suspension
Colour	red
Odour	characteristic

Safety data

pH	5.0 - 7.0 at 100 % (23 °C)
Flash point	> 70 °C
Ignition temperature	375 °C
Upper explosion limit	no data available
Lower explosion limit	no data available
Vapour pressure	no data available
Relative vapour density	no data available
Density	ca. 1.26 g/cm ³ at 20 °C
Water solubility	no data available
Partition coefficient: n-octanol/water	no data available
Surface tension	31 mN/m at 25 °C Determined in the undiluted form.
Oxidizing properties	No oxidizing properties



Explosivity	Not explosive 92/69/EEC, A.14 / OECD 113
Other information	Further safety related physical-chemical data are not known.

SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid	Extremes of temperature and direct sunlight.
Materials to avoid	Store only in the original container.
Hazardous Decomposition Products	No decomposition products expected under normal conditions of use.
Thermal decomposition	Stable under normal conditions.
Hazardous reactions	No hazardous reactions when stored and handled according to prescribed instructions.

SECTION 11. TOXICOLOGICAL INFORMATION

Potential Health Effects

Inhalation	Harmful if inhaled. Do not breathe vapours or spray mist.
Skin	No skin irritation
Eye	No eye irritation
Ingestion	Harmful if swallowed.
Acute oral toxicity	LD50 (rat) > 300 - < 2,000 mg/kg
Acute inhalation toxicity	no data available Health injuries are not known or expected under normal use.
Acute dermal toxicity	LD50 (rat) > 2,000 mg/kg
Skin irritation	No skin irritation (rabbit)
Eye irritation	No eye irritation (rabbit)
Sensitisation	Non-sensitizing. (guinea pig) OECD Test Guideline 406, Buehler test
Sensitisation	Non-sensitizing. (mouse) OECD Test Guideline 429, local lymph node assay (LLNA)
Chronic toxicity	Clothianidin did not cause specific target organ toxicity in experimental animal studies. Imidacloprid did not cause specific target organ toxicity in experimental animal studies.
Assessment Mutagenicity	



Clothianidin was not mutagenic or genotoxic based on the overall weight of evidence in a battery of in vitro and in vivo tests.
Imidacloprid was not mutagenic or genotoxic based on the overall weight of evidence in a battery of in vitro and in vivo tests.

Assessment Carcinogenicity

Clothianidin was not carcinogenic in lifetime feeding studies in rats and mice.
Imidacloprid was not carcinogenic in lifetime feeding studies in rats and mice.

Assessment toxicity to reproduction

Clothianidin caused reproduction toxicity in a two-generation study in rats only at dose levels also toxic to the parent animals. The reproduction toxicity seen with Clothianidin is related to parental toxicity.

Imidacloprid caused reproduction toxicity in a two-generation study in rats only at dose levels also toxic to the parent animals. The reproduction toxicity seen with Imidacloprid is related to parental toxicity.

Assessment developmental toxicity

Clothianidin did not cause developmental toxicity in rats.
Clothianidin caused developmental toxicity in rabbits only at dose levels toxic to the dams. The developmental effects seen with Clothianidin are related to maternal toxicity.
Imidacloprid caused developmental toxicity only at dose levels toxic to the dams. The developmental effects seen with Imidacloprid are related to maternal toxicity.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Toxicity to fish	LC50 (Oncorhynchus mykiss (rainbow trout)) > 104.2 mg/l Exposure time: 96 h The value mentioned relates to the active ingredient clothianidin.
Toxicity to fish	LC50 (Oncorhynchus mykiss (rainbow trout)) 211 mg/l Exposure time: 96 h The value mentioned relates to the active ingredient imidacloprid.
Toxicity to aquatic invertebrates	EC50 (Chironomus riparius (non-biting midge)) > 0.00634 mg/l Exposure time: 28 d
Toxicity to aquatic invertebrates	EC50 (Daphnia magna (Water flea)) > 40 mg/l Exposure time: 48 h The value mentioned relates to the active ingredient clothianidin.
Toxicity to aquatic invertebrates	EC50 (Daphnia magna (Water flea)) 85 mg/l Exposure time: 48 h The value mentioned relates to the active ingredient imidacloprid.
Toxicity to aquatic invertebrates	LC50 (Chironomus riparius (non-biting midge)) 0.0552 mg/l Exposure time: 24 h The value mentioned relates to the active ingredient imidacloprid.

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Toxicity to aquatic invertebrates	EC50 (Chironomus riparius (non-biting midge)) 0.00106 mg/l Exposure time: 28 d The value mentioned relates to the active ingredient clothianidin.
Toxicity to aquatic plants	EC50 (Pseudokirchneriella subcapitata) 120 mg/l Growth rate Exposure time: 96 h The value mentioned relates to the active ingredient clothianidin.
Toxicity to other organisms	LD50 (Coturnix japonica (Japanese quail)) 31 mg/kg The value mentioned relates to the active ingredient imidacloprid.
Toxicity to other organisms	LD50 (Colinus virginianus (Bobwhite quail)) 152 mg/kg The value mentioned relates to the active ingredient imidacloprid.
Toxicity to other organisms	LD50 (Coturnix japonica (Japanese quail)) 430 mg/kg The value mentioned relates to the active ingredient clothianidin.
Toxicity to other organisms	(Apis mellifera (bees)) The value mentioned relates to the active ingredient imidacloprid. Toxic to bees.
Toxicity to other organisms	(Apis mellifera (bees)) The value mentioned relates to the active ingredient clothianidin. Toxic to bees.
Toxicity to other organisms	LD50 (Apis mellifera (bees)) (oral) 0.026 ug product/bee Exposure time: 48 h
Toxicity to other organisms	LD50 (Apis mellifera (bees)) (contact) 0.135 ug product/bee Exposure time: 48 h
Additional ecological information	Exposed treated seed may be hazardous to birds. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. No other effects to be mentioned.
Biodegradability	Not readily biodegradable. The value mentioned relates to the active ingredient clothianidin.
Biodegradability	Not readily biodegradable. The value mentioned relates to the active ingredient imidacloprid.
Stability in soil	In Soil : . It has a low potential for leaching into groundwater or moving to deeper soil layers. The value mentioned relates to the active ingredient clothianidin. In Soil : . It has a low potential for leaching into groundwater or moving to deeper soil layers. The value mentioned relates to the active ingredient imidacloprid.
Bioaccumulation	no data available



SECTION 13. DISPOSAL CONSIDERATIONS

Triple or preferably pressure rinse containers before disposal. Dispose of rinsings in a disposal pit specifically marked and set up for this purpose, clear of waterways, desirable vegetation and tree roots. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and deliver empty packaging for appropriate disposal to an approved waste management facility. If an approved waste management facility is not available bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots, in compliance with relevant Local, State or Territory Government Regulations. DO NOT burn empty containers or product.

SECTION 14. TRANSPORT INFORMATION

ADG

UN number	3082
Class	9
Subsidiary Risk	None
Packaging group	III
Description of the goods	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CLOTHIANIDIN SOLUTION)
Hazchem Code	•3Z

According to AU01, Environmentally Hazardous Substances in packagings, IBC or any other receptacle not exceeding 500 kg or 500 L are not subject to the ADG Code.

IMDG

UN number	3082
Class	9
Subsidiary Risk	None
Packaging group	III
EmS	F-A , S-F
Marine pollutant	YES
Description of the goods	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CLOTHIANIDIN SOLUTION)

IATA

UN number	3082
Class	9
Subsidiary Risk	None
Packaging group	III
Environm. Hazardous Mark	YES
Description of the goods	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CLOTHIANIDIN SOLUTION)

SECTION 15. REGULATORY INFORMATION

Registered according to the Agricultural and Veterinary Chemicals Code Act 1994
 Australian Pesticides and Veterinary Medicines Authority approval number: 67779



See also Section 2.

SECTION 16. OTHER INFORMATION

Trademark information Poncho® is a registered trademark of the Bayer Group.

This SDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.

Further details on the Occupational Exposure Standards mentioned in Section 8:

CEILING: Ceiling Limit Value

OES BCS: Internal Bayer CropScience "Occupational Exposure Standard"

Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment)

PEAK: Exposure Standard - Peak means a maximum or peak airborne concentration of a particular substance determined over the shortest analytically practicable period of time which does not exceed 15 minutes.

STEL: Exposure standard - short term exposure limit (STEL): A 15 minute TWA exposure which should not be exceeded at any time during a working day even if the eight-hour TWA average is within the TWA exposure standard. Exposures at the STEL should not be longer than 15 minutes and should not be repeated more than four times per day. There should be at least 60 minutes between successive exposures at the STEL.

SKIN_DES: Skin notation: Absorption through the skin may be a significant source of exposure.

TWA: Exposure standard - time-weighted average (TWA): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day working week.

SK-SEN: Skin sensitiser

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

END OF SDS