



SAFETY DATA SHEET

According to Safe Work Australia

Revision: 25.10.2021

4FARMERS ProTeb SC FUNGICIDE

1 . IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product Name: 4FARMERS ProTeb SC FUNGICIDE

Recommended Use of the Chemical and Restriction on Use: Agricultural fungicide

Details of Manufacturer or Importer:

4Farmers Australia Pty Ltd
70 McDowell Street
Welshpool WA 6106

Phone Number: +61 8 9356 3445

Emergency telephone number: National Poison Information Centre: 13 11 26

2 . HAZARDS IDENTIFICATION

Hazardous Nature:

Classified as Hazardous according to criteria of National Occupational Health & Safety Commission (NOHSC), Australia.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods



health hazard



environment



Acute Tox 4

GHS Signal Word Warning

Hazard Statements

H361 Suspected of damaging fertility or the unborn child.

H373 May cause damage to organs through prolonged harmful if swallowed.

H400 Very Toxic to aquatic life with long lasting effects.

Precautionary Statements

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P260 Do not breathe spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P281 Use personal protective equipment as required.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P314 Get Medical advice/attention if you feel unwell

P405 Store locked up.

P391 Collect spillage.

RESPONSE

P337: If eye irritation persists: seek medical attention.

P352: Wash with plenty of soap and water.

P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.

P301+P330+P331: IF SWALLOWED: Rinse mouth. DO NOT induce vomiting.

P308+P313: If exposed or concerned: Get medical advice.

STORAGE

P410: Protect from sunlight.

P402+P404: Store in a dry place. Store in a closed container.

P403+P235: Store in a well-ventilated place. Keep cool.

P501 Dispose of contents/container in accordance with local regulation.



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3 . COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical Characterization: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Hazardous Components:

Ingredient	CAS No	Conc%	TWA(mg/m ³)	STEL(mg/m ³)
Prothioconazole	178928-70-6	18%	not set	not set
Tebuconazole	107534-96-3	18%	not set	not set
other non hazardous ingredients	secret	to 100%		

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non hazardous ingredients are also possible.

The SWA TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak "is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even brief fly.

4 . FIRST AID MEASURES

Call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this SDS with you when you call.

Inhalation: If inhaled, move the victim to fresh air and keep at rest. Call a physician or poison control center.

Skin Contact:

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

Eye Contact:

In case of eye contact, hold eyelids open and rinse cautiously with water for at least 15 minutes. Seek medical attention if symptoms persist.

Ingestion:

If swallowed, do not induce vomiting. Rinse mouth and give plenty of water to drink. Do not give anything by mouth to an unconscious person. Seek immediate medical attention.

Information for Doctor:

Treat symptomatically.

After three days, elimination was almost complete in animal study.

Metabolites detected were mainly excreted in urine and faeces.

Symptoms Caused by Exposure:

Ingestion: Harmful if swallowed. Ingesting large amounts of concentrate may cause nausea and vomiting.

5 . FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Water, Foam, Carbondioxide(CO₂), Dry chemical

Use fire extinguishing methods suitable to surrounding conditions.

Specific Hazards Arising from the Chemical:

In the event of fire the following may be released: Hydrogen Chloride(HCl), Hydrogen cyanide (hydrocyanic acid) Carbon monoxide(CO), Sulphur oxides, Nitrogen oxides (NO_x).

Special Protective Equipment and Precautions for Fire Fighters:

Wear Safe Work Australia approved self-contained breathing apparatus and full protective clothing



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Further Information

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. Do not allow run-off from fire fighting to enter drains or water courses.

Hazchem Code 3Z

6 . ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear Safe Work Australia approved respiratory protection and full protective clothing. Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation.

Environmental Precautions:

In the event of a major spill, prevent spillage from entering drains or water courses. If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and Materials for Containment and Cleaning Up:

Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material. Collect the spilled material and place into a suitable container for disposal.

7 . HANDLING AND STORAGE

Precautions for Safe Handling:

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. Use only outdoors or in a well-ventilated area.

Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

Conditions for Safe Storage:

Store in a cool, dry place and in such a manner as to prevent cross contamination with other crop protection products, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area. Protect from freezing.

8 . EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Standards:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Engineering Controls: Ensure adequate ventilation of the working area.

Respiratory Protection:

Use a Safe Work Australia approved vapour respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:

Wear long-sleeved shirt and long pants and shoes plus socks. Wear two layers of clothing wherever possible. Polyester/cotton or cotton overalls should be worn under chemical protection suit and should be professionally laundered frequently.

Eye and Face Protection:

Eye and face protectors for protection against splashing materials or liquids. See Australian/New Zealand Standard AS/NZS 1337 for more information.



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9. Physical and Chemical Properties

Appearance:	
Form:	Suspension
Colour:	Off white
Odour:	No information available
Odour Threshold:	No information available
pH-Value:	6.5 - 8.5 at 100 % (23 °C)
Melting point/Melting range:	No information available
Initial Boiling Point/Boiling Range:	> 100 °C
Flash Point:	Not applicable, Aqueous solution
Flammability:	Non flammable
Auto-ignition Temperature:	No information available
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	Not applicable
Upper:	Not applicable
Vapour Pressure:	No information available
Relative Density:	1.12
Vapour Density:	No information available.
Evaporation Rate:	No information available
Solubility in Water:	Miscible.

10 . STABILITY AND REACTIVITY

Possibility of Hazardous Reactions: No hazardous reactions when stored and handled according to prescribed instructions. Stable under normal conditions.

Chemical Stability: Stable at ambient temperature and under normal conditions of use.

Conditions to Avoid: Heat, flames and sparks. Elevated temperatures

Incompatible Materials: Oxidising agents.

Hazardous Decomposition Products:

Oxides of carbon and nitrogen, hydrogen chloride and hydrogen cyanide.

11. TOXICOLOGY INFORMATION

Acute Health Effects

Inhalation: May cause respiratory irritation.

Skin: May irritate the skin.

Eye: Eye contact with the concentrate may irritate the eyes.

Ingestion: Harmful if swallowed. Ingesting large amounts of concentrate may cause nausea and vomiting.

Skin Corrosion / Irritation: Based on classification principles, the classification criteria are not met.

Serious Eye Damage / Irritation: Based on classification principles, the classification criteria are not met.

Respiratory or Skin Sensitisation: Based on classification principles, the classification criteria are not met.

Germ Cell Mutagenicity: Based on classification principles, the classification criteria are not met.

Carcinogenicity: This product does NOT contain any IARC listed chemicals.

Reproductive Toxicity:

Suspected of damaging fertility or the unborn child.

Tebuconazole is classified by Safe Work Australia as Toxic to Reproduction Category 3.

Specific Target Organ Toxicity (STOT) - Single Exposure:

Based on classification principles, the classification criteria are not met.



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Specific Target Organ Toxicity (STOT) - Repeated Exposure:

Based on classification principles, the classification criteria are not met.

Aspiration Hazard: Based on classification principles, the classification criteria are not met.

Chronic Health Effects: No information available

Existing Conditions Aggravated by Exposure: No information available

Assessment mutagenicity

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

Tebuconazole was not mutagenic or genotoxic in a battery of in vitro and in vivo tests.

Assessment carcinogenicity

Prothioconazole was not carcinogenic in lifetime feeding studies in rats and mice.

Tebuconazole caused at high dose levels an increased incidence of tumours in mice in the following organ(s): Liver. The mechanism of tumour formation is not considered to be relevant to man.

Assessment toxicity to reproduction

Prothioconazole 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 Prothioconazole is related to parental toxicity.

Tebuconazole 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 Tebuconazole is related to parental toxicity.

Assessment developmental toxicity

Prothioconazole caused developmental toxicity only at dose levels toxic to the dams. The developmental effects seen with Prothioconazole are related to maternal toxicity.

Tebuconazole caused developmental toxicity only at dose levels toxic to the dams. Tebuconazole caused an increased incidence of post implantation losses, an increased incidence of non-specific malformations.

Further information

No further toxicological information is available.

12 . ECOLOGICAL INFORMATION

Aquatic toxicity:

Toxic to aquatic life with long lasting effects.

Persistence and Degradability: Persistence in water/soil for tebuconazole is high.

Bioaccumulative Potential: Bioaccumulation for tebuconazole is low.

Persistence and degradability Biodegradability

Prothioconazole:

Not rapidly biodegradable

Tebuconazole:

Not rapidly biodegradable

Koc Prothioconazole: Koc: 1765; log Koc: < 3

Tebuconazole: Koc: 769

Bioaccumulative potential

Prothioconazole: Bioconcentration factor (BCF) 1

Does not bioaccumulate.

Tebuconazole: Bioconcentration factor (BCF) 35 - 59 Does not bioaccumulate.

Mobility in soil

Prothioconazole: Slightly mobile in soils

Tebuconazole: Slightly mobile in soils

Other adverse effects

No other effects to be mention



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13 . DISPOSAL CONSIDERATIONS

Disposal Methods and Containers: Dispose according to applicable local and state government regulations.

Special Precautions for Landfill or Incineration:

Please consult your state Land Waste Management Authority for more information.

14 . TRANSPORT INFORMATION

UN Number

ADG Not classified as a dangerous good according to the Australian Code for the Transport of Dangerous goods by road or rail when being transported in IBCs or other receptacles < 500 L (kg), (Special Provision AU01).

IMDG, IATA UN3082

Proper Shipping Name

IMDG ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., MARINE POLLUTANT (TEBUCONAZOLE, PROTHIOCONAZOLE SOLUTION)

IATA ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(TEBUCONAZOLE, PROTHIOCONAZOLE SOLUTION)

Dangerous Goods Class

IMDG Class: 9 Miscellaneous dangerous substances and articles.

Packing Group:

IMDG, IATA III

Marine pollutant: Yes

EMS Number: F-A,S-F

15. REGULATORY INFORMATION

Registered according to the Agricultural and Veterinary Chemicals Code Act 1994 Australian Pesticides and Veterinary Medicines Authority approval number: 88664

Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:

Poisons Schedule: 5

16 . OTHER INFORMATION

Creation Date: 25.10.2021 **REVISED:**

Abbreviations and acronyms:

ADG: Australian Dangerous Goods

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC₅₀: Lethal concentration, 50 percent

LD₅₀: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)



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Disclaimer

This MSDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - December 2011"

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