SAFETY DATA SHEET

According to Safe Work Australia

Printing date 01.09.2026 Revision: 01.09.2026

1 . IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product Name: 4FARMERS TEBUCONAZOLE 25T FLOWABLE FUNGICIDE/INSECTICIDE

Other Means of Identification: Mixture

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

Details of Manufacturer or Importer:
4Farmers Australia Pty Ltd
70 McDowell Street
Welshpool WA 6106

Phone Number: +61 8 9356 3446

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

2 . HAZARDS IDENTIFICATION

Hazardous Nature:
Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.
Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Acute Tox. (Inhalation) 4 H332 Harmful if inhaled.

Aquatic Acute 3 H402 Harmful to aquatic life.
Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

Signal Word Warning

Hazard Statements
H332 Harmful if inhaled.
H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P273 Avoid release to the environment.
P271 Use only outdoors or in a well-ventilated area.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 Call a POISON CENTER/doctor if you feel unwell.
P501 Dispose of contents/container in accordance with local/regional/national regulations.

3 . COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical Characterization: Mixtures
Description: Mixture of substances listed below with nonhazardous additions.

Hazardous Components:		
56-81-5	1,2,3-Propanetriol	20%
107534-96-3	Tebuconazole	2.5%
	Repr. 2, H361; Aquatic Chronic 2, H411; Acute Tox. (Oral) 4, H302	
64628-44-0	Triflumuron	0.4%
	Acute Tox. (Inhalation) 1, H330	

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4 . FIRST AID MEASURES

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

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, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention.

Ingestion:
If swallowed, do not induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Do not give anything by mouth to an unconscious person. Seek immediate medical attention.

Symptoms Caused by Exposure:
Inhalation: Harmful if inhaled. May cause respiratory irritation.
Skin Contact: May cause skin irritation.
Eye Contact: May cause eye irritation.
Ingestion: May be harmful if swallowed. May cause lung damage if swallowed. High doses of glycerol may cause tremors and hyperaemia of the gastro-intestinal tract.

5 . FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Use fire extinguishing methods suitable to surrounding conditions.

Specific Hazards Arising from the Chemical:
Hazardous combustion products include oxides of carbon and nitrogen, acrolein, phosgene, hydrogen chloride and other pyrolysis products typical of burning organic material.
The product is non-combustible, however, in fire conditions the product may break down and the organic component may burn.
Closed containers may explode when exposed to extreme heat. Containers close to fire should be removed if safe to do so. Use water spray to cool fire exposed containers.

Special Protective Equipment and Precautions for Fire Fighters:
When fighting a major fire wear self-contained breathing apparatus and protective equipment.

6 . ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:
Wear approved respiratory protection, chemical resistant gloves, protective clothing and safety boots. 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.

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.

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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 and well ventilated area. Keep in original container tightly closed. Suitable container materials are polyethylene and polypropylene. Protect from extreme temperatures. Keep away from strong oxidising agents, acetic anhydride, alkali metal hydrides, calcium hypochlorite, calcium oxychloride, chlorine, chromic anhydride, chromium oxides, ethylene oxide, hydrogen peroxide, phosphorous triiodide, potassium chlorate, potassium permanganate, potassium peroxide, silver perchlorate, sodium hydride, sodium peroxide, sodium triiodide, sodium tetrahydroborate, strong acids, alkalis, aliphatic amines, isocyanates and uranium fluoride.

8 . EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Standards:	
56-81-5 1,2,3-Propanetriol	
NES	TWA: 10 mg/m³

Engineering Controls:
Maintain air concentration below occupational exposure standards, providing adequate ventilation.

Respiratory Protection:
Use an approved type A-P 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:
PVC gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information. When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.
Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

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.

9 . PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	
Form:	Viscous liquid
Colour:	Red
Odour:	Faint sweetish odour
Odour Threshold:	Not determined.
pH-Value:	7
Melting point/Melting range:	< 0 °C
Initial Boiling Point/Boiling Range:	> 100 °C
Flash Point:	Not applicable
Flammability:	Product is not flammable.
Auto-ignition Temperature:	Not applicable
Decomposition Temperature:	No information available

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Explosion Limits:	
Lower:	Not applicable
Upper:	Not applicable
Vapour Pressure at 20 °C:	23.3 hPa
Relative Density:	~1.06
Vapour Density:	>1
Evaporation Rate:	No information available
Solubility in Water:	Miscible
Partition Coefficient (n-octanol/water):	No information available
Viscosity:	No information available

10 . STABILITY AND REACTIVITY

Possibility of Hazardous Reactions:
Hazardous polymerisation will not occur. Glycerol is able to polymerise at temperatures >145 °C.

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

Conditions to Avoid: Extreme temperatures

Incompatible Materials:
Strong oxidising agents, acetic anhydride, alkali metal hydrides, calcium hypochlorite, calcium oxychloride, chlorine, chromic anhydride, chromium oxides, ethylene oxide, hydrogen peroxide, phosphorous triiodide, potassium chlorate, potassium permanganate, potassium peroxide, silver perchlorate, sodium hydride, sodium peroxide, sodium triiodide, sodium tetrahydroborate, strong acids, alkalis, aliphatic amines, isocyanates and uranium fluoride.

Hazardous Decomposition Products:
Oxides of carbon and nitrogen, acrolein, phosgene, hydrogen chloride and other pyrolysis products typical of burning organic material.

11 . TOXICOLOGICAL INFORMATION

Toxicity:

LD_{50}/LC_{50} Values Relevant for Classification:		
56-81-5 1,2,3-Propanetriol		
	LD_{50}	100 mg/kg (rat) (subcutaneous)
		4250 mg/kg (mouse) (intravenous)
		4420 mg/kg (rat) (intraperitoneal)
		5566 mg/kg (rat) (intravenous)
		8700 mg/kg (mouse) (intraperitoneal)
		91 mg/kg (mouse) (subcutaneous)
Oral	LD_{50}	4080 mg/kg (mouse)
		4090 mg/kg (mouse)
		7750 mg/kg (guinea pig)
	LD_{50}	12600 mg/kg (rat)
107534-96-3 Tebuconazole		
Oral	LD_{50}	2000 mg/kg (mouse)
		4000 mg/kg (rat)
Dermal	LD_{50}	>5000 mg/kg (rat)
Inhalation	LC_{50}/4 h	>800 mg/L (rat)

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64628-44-0 Triflumuron		
Oral	LC_{50}	>5000 mg/kg (rat) (intraperitoneal)
	LD_{50}	>5000 mg/kg (mouse) (subcutaneous)
	LD_{50}	>1000 mg/kg (dog)
		>5000 mg/kg (mouse)
		>5000 mg/kg (rat)
Dermal	LC_{50}	>5000 mg/kg (rat)
Inhalation	LC_{50}/4 h	>0.12 mg/L (rat) (aerosol)
		>1.6 mg/L (rat) (dust)
		>119 mg/m³ (rat)

Acute Health Effects
Inhalation: Harmful if inhaled. May cause respiratory irritation.
Skin: May cause skin irritation.
Eye: May cause eye irritation.
Ingestion:
May be harmful if swallowed. May cause lung damage if swallowed. High doses of glycerol may cause tremors and hyperaemia of the gastro-intestinal tract.

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

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:
Asthma-like symptoms may continue for months or years after exposure to this material. This may be due to a condition known as Reactive Airways Dysfunction Syndrome (RADS).

Additional toxicological information:
The Australian Acceptable Daily Intake (ADI) for tebuconazole for a human is 0.03 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOEL of 2.96 mg/kg/day, the level determined to show no effects during long term exposure for the most sensitive indicators and the most sensitive species.
The Australian Acceptable Daily Intake (ADI) for triflumuron for a human is 0.007 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOEL of 0.7 mg/kg/day, the level determined to show no effects during long term exposure for the most sensitive indicators and the most sensitive species.
(Ref: Comm. Dept. of Health and Ageing Office of Chemical Safety, 'ADI List', June 2014).

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12 . ECOLOGICAL INFORMATION

Ecotoxicity:

Aquatic toxicity: Harmful to aquatic life with long lasting effects.

Persistence and Degradability:
Tebuconazole and triflumuron are highly persistant in water and soil. Glycerol has low persistance in water and soil.

Bioaccumulative Potential: This product has a low potential for bioaccumulation.

Mobility in Soil:
Tebuconazole has low mobility in soil. Triflumuron is moderately mobile. Glycerol is highly mobile.
Other adverse effects: No information available

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 Not regulated

Proper Shipping Name Not regulated

Dangerous Goods Class Not regulated

Packing Group: Not regulated

15 . REGULATORY INFORMATION

Australian Inventory of Chemical Substances:

7732-18-5	Water
56-81-5	1,2,3-Propanetriol
107534-96-3	Tebuconazole
64628-44-0	Triflumuron

Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:
Poisons Schedule: 5

16 . OTHER INFORMATION

Date of Preparation or Last Revision: 01.09.2026

Prepared by: MSDS.COM.AU Pty Ltd www.msds.com.au

Abbreviations and acronyms:
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC_{50}: Lethal concentration, 50 percent
LD_{50}: 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)
Acute Tox. (Oral) 4: Acute toxicity, Hazard Category 4
Acute Tox. (Inhalation) 1: Acute toxicity, Hazard Category 1
Repr. 2: Reproductive toxicity, Hazard Category 2

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Aquatic Acute 3: Hazardous to the aquatic environment, short-term (Acute). Category 3
Aquatic Chronic 2: Hazardous to the aquatic environment, long-term (Chronic). Category 2
Aquatic Chronic 3: Hazardous to the aquatic environment, long-term (Chronic). Category 3

Disclaimer

This SDS 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”

The information contained in this safety data sheet is provided in good faith and is believed to be accurate at the date of issuance. 4Farmers Australia Pty Ltd makes no representation of the accuracy or comprehensiveness of the information and to the full extent allowed by law excludes all liability for any loss or damage related to the supply or use of the information in this material safety data sheet. MSDS.COM.AU Pty Ltd is not in a position to warrant the accuracy of the data herein. The user is cautioned to make their own determinations as to the suitability of the information provided to the particular circumstances in which the product is used.