SAFETY DATA SHEET

According to Safe Work Australia

Printing date 14.08.2026 Revision: 14.08.2026

1 . IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product Name: 4FARMERS TRIADIMENOL 150 + SEED DRESSING DRY

Other Means of Identification: MIXTURE

Recommended Use of the Chemical and Restriction on Use: Agricultural seed treatment.

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:

Aquatic Acute 3 H402 Harmful to aquatic life.

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

Signal Word Void

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

Precautionary Statements
P273 Avoid release to the environment.
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:		
471-34-1	Carbonic acid, calcium salt (1:1)	79%
55219-65-3	Triadimenol Acute Tox. (Oral) 4, H302; Acute Tox. (Inhalation) 4, H332; Aquatic Acute 3, H402	15%
52315-07-8	Cypermethrin cis/trans +/-40/60 Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Acute Tox. (Oral) 4, H302; Acute Tox. (Inhalation) 4, H332; STOT SE 3, H335	0.4%

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, hold eyelids open and rinse with water for at least 15 minutes. Seek medical attention if symptoms occur.

Ingestion:
If swallowed, do not induce vomiting. Do not give anything by mouth to an unconscious person. Seek immediate medical attention.

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Symptoms Caused by Exposure:
Inhalation: May cause respiratory irritation. May be harmful if inhaled.
Skin Contact: May cause skin irritation. Symptoms of high dermal exposure to cypermethrin include numbness, tingling, itching, burning sensations, loss of bladder control, incoordination, seizures and possible death.
Eye Contact: May cause severe eye irritation, inflammation or damage.
Ingestion: May be harmful if swallowed.

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, hydrogen chloride, phosgene, and other pyrolysis products.
This product is a combustible solid.
May form flammable or explosive dust clouds. Avoid generating dust.
Avoid contact with oxidising agents, as ignition may occur.
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 and full protective clothing. Evacuate all non-essential personnel from affected area. Do not breathe dust. Ensure adequate ventilation. Avoid generating dust.

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 sweep material into a pile and shovel in a container for subsequent disposal. Consider vacuuming. Avoid generating dust. Provide adequate ventilation. Decontaminate spill area with plenty of water.

7 . HANDLING AND STORAGE

Precautions for Safe Handling:
Use of safe work practices are recommended to avoid eye or skin contact and inhalation of dust.
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 and well ventilated area. Keep container tightly closed when not in use. Protect from heat, sparks, open flames and other sources of ignition. Keep away from strong oxidising agents, strong acids, acid chlorides, acid anhydrides, ammonium salts and chloroformates. Suitable containers are polyethylene or polyproylene.

8 . EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Standards:	
471-34-1 Carbonic acid, calcium salt (1:1)	
WES	TWA: 10 mg/m³

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

Respiratory Protection:
Where an inhalation risk exists, wear a Class P1 (particulate) respirator. At high dust levels, wear a powered air purifying respirator (PAPR) with Class P3 (Particulate) filter or an air-line respirator or a full-face Class P3 (particulate) respirator. See Australian/New Zealand Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:
Polychloroprene, nitrile rubber, butyl rubber or fluorocautchouc 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 dust. See Australian/New Zealand Standard AS/NZS 1337 for more information.

9 . PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	
Form:	Powder
Colour:	Dark blue
Odour:	No information available
Odour Threshold:	No information available
pH-Value:	No information available
Melting point/Melting range:	No information available
Initial Boiling Point/Boiling Range:	No information available
Flash Point:	Not applicable
Flammability:	Combustible solid
Auto-ignition Temperature:	Not applicable
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	Not applicable
Upper:	Not applicable
Vapour Pressure:	Not applicable
Relative Density:	~2.8
Vapour Density:	Not applicable.
Evaporation Rate:	Not applicable
Solubility in Water:	Partially miscible

10 . STABILITY AND REACTIVITY

Possibility of Hazardous Reactions: Hazardous polymerisation will not occur.

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

Conditions to Avoid: Heat, sparks, open flames and other sources of ignition.

Incompatible Materials:
Strong oxidising agents, strong acids, acid chlorides, acid anhydrides, ammonium salts and chloroformates.

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Hazardous Decomposition Products:
Hazardous combustion products include oxides of carbon and nitrogen, hydrogen chloride, phosgene and other pyrolysis products.

11 . TOXICOLOGICAL INFORMATION

Toxicity:

LD_{50}/LC_{50} Values Relevant for Classification:		
471-34-1 Carbonic acid, calcium salt (1:1)		
Oral	LD_{50}	6450 mg/kg (rat)
55219-65-3 Triadimenol		
Oral	LD_{50}	1300 mg/kg (mouse) (approx)
		1720-3700 mg/kg (rat) (Bayer)
Dermal	LD_{50}	>5000 mg/kg (rat)
Inhalation	LC_{50}	3060 mg/m³ (rat)
	LC_{50}/4 h	>0.9 mg/l (rat)
52315-07-8 Cypermethrin cis/trans +/-40/60		
Oral	LD_{50}	1500 mg/kg (rabbit)
		245.7 mg/kg (mouse)
		500 mg/kg (guinea pig)
		57 mg/kg (rat)
Dermal	LD_{50}	>1600 mg/kg (rat) (EPA Report)
		>2400 mg/kg (rabbit)
Inhalation	LC_{50}/4 h	7889 mg/m³ (rat)

Acute Health Effects
Inhalation: May cause respiratory irritation. May be harmful if inhaled.
Skin:
May cause skin irritation. Symptoms of high dermal exposure to cypermethrin include numbness, tingling, itching, burning sensations, loss of bladder control, incoordination, seizures and possible death.
Eye: May cause severe eye irritation, inflammation or damage.
Ingestion: May be harmful if swallowed.

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.

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.

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Chronic Health Effects:
Prolonged or repeated skin contact may cause dermatitis with skin redness and swelling.
Repeated or prolonged eye contact may cause conjunctivitis.
Asthma-like symptoms may continue for months or even years after exposure to the material ceases, due to a condition known as Reactive Airways Dysfunction Syndrome.

Existing Conditions Aggravated by Exposure: No information available

Additional toxicological information:
The Australian Acceptable Daily Intake (ADI) for triadimenol for a human is 0.06 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOEL of 6.25 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', March 2016).
The Australian Acceptable Daily Intake (ADI) for cypermethrin for a human is 0.05 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOEL of 5 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', March 2016).

12 . ECOLOGICAL INFORMATION

Ecotoxicity:

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

Persistence and Degradability: Triadimenol and cypermethrin are highly persistent in soil and water.

Bioaccumulative Potential:
Triadimenol has a low potential for bioaccumulation, while cypermethrin has a moderate potential.

Mobility in Soil: Triadimenol has a moderate potential for mobility, while cypermethrin has a low potential.
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:	
471-34-1	Carbonic acid, calcium salt (1:1)
55219-65-3	Triadimenol
52315-07-8	Cypermethrin cis/trans +/-40/60

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

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16 . OTHER INFORMATION

Date of Preparation or Last Revision: 14.08.2026

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 – Category 4
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
Aquatic Acute 1: Hazardous to the aquatic environment, short-term (Acute). Category 1
Aquatic Acute 3: Hazardous to the aquatic environment, short-term (Acute). Category 3
Aquatic Chronic 1: Hazardous to the aquatic environment, long-term (Chronic). Category 1
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”
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