



Material Safety Data Sheet

Triadimefon 500 WP

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product trade name: 4Farmers Triadimefon 500 WP Fungicide.
Other names:
Recommended use: Agricultural fungicide for control of diseases in cereals and other crops.
Company name & address: 4Farmers Pty. Ltd.
A.C.N 067 443 485
70 McDowell St, Welshpool, Western Australia, 6106.
Ph: (08) 9356 3445 Fax (08) 9356 3447

2. HAZARDS IDENTIFICATION

Hazard classification: Hazardous according to the criteria of NOHSC. Non-dangerous goods.
Risk phrases: R20 Harmful by inhalation.
R22 Harmful if swallowed.
R36 Irritating to eyes.
R37 Irritating to respiratory system.
Safety phrases: S20/21 When using do not eat or drink/smoke
S24/25 Avoid contact with skin/eyes
S29/35 Do not empty into drains/Dispose of material and container in a safe way
SUSDP Classification: S6
ADG Classification: Not a dangerous good
UN Number: None allocated

3. COMPOSITION

Substance	CAS Number	% content
Triadimefon	43121-43-3	50
Surfactants		5
Calcium carbonate	471-34-1	To 100.

4. FIRST AID MEASURES

Skin contact: Remove contaminated clothing. Wash contaminated skin with soapy water. If skin irritation develops, get medical attention. Wash clothing thoroughly before re-use.
Eye contact: Rinse eye(s) with clean running water for 15 mins. Get medical attention.
Ingestion: Rinse mouth. Give water to drink if patient is conscious. DO NOT induce vomiting. If vomiting occurs ensure patient can breathe, then give water to drink. Get medical attention.
Advice to doctor: No specific antidote is known. Treat symptomatically.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Carbon dioxide, dry chemical, foam, water fog, water stream.
Unsuitable extinguishing media:
Special hazards in fire: Product is not flammable. Will burn if heated by combustion of other compounds. Combustion may release carbon dioxide, nitrogen oxides, and/or chlorine compounds.
Required special protective equipment for fire-fighters: Wear self contained breathing apparatus if in enclosed space.
Hazchem code:

6. ACCIDENTAL RELEASE MEASURES

Emergency procedures: Wear protective equipment to prevent skin and eyes being affected.
Evacuate unprotected and unnecessary personnel from area of spill.
If material is spilling from a container, stop the spillage only if this can be done safely.
Prevent spillage entering drains or watercourse.



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Methods for containment & cleanup: Spilt powder may need to be dampened to settle dust. Mixing with damp soil will help if this is practicable.
Soil can be used to form bunds to contain spillage.
Contaminated soil should be collected for disposal at a suitable landfill.
Contaminated area and tools should be washed down with hypochlorite bleach.
Personal protective equipment and clothing should be washed with soapy water.

7. HANDLING AND STORAGE

Handling: Keep away from food, drink, and animal feedstuff.
KEEP OUT OF REACH OF CHILDREN.
Wear suitable Personal protective equipment when handling and spraying.

Storage: Store in the original container in a dry, cool, ventilated, LOCKED area.
DO NOT store in prolonged sunlight.
DO NOT store with food, seed, or animal feedstuff.

8. EXPOSURE CONTROLS

National exposure standards: The ADI for Triadimefon is set at 0.03mg/kg/day. The corresponding NOEL is set at 2.5mg/kg/day. No exposure limits have been set.

Engineering measures: Use assisted ventilation in enclosed spaces if needed, especially storage areas.

Personal protection equipment:

- Eye/face protection:** Goggles or glasses to AS 1366, AS/NZS1337
- Hand/skin protection:** Overalls, PVC gloves and apron, face shield
- Respiratory protection:** Should not be necessary under normal conditions. If spray mist may be encountered, a particulate filter to AS/NZS 1715 should be worn.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White, micro-fine powder in soluble bags.

Odour: Alkaline, irritating limestone.

pH: Very alkaline reaction when mixed with water.

Vapour pressure: Triadimefon – 0.02 mPa @ 20 °C.

Vapour density:

Boiling point/range:

Melting/freezing point: Triadimefon melts at 82 °C. If it does, it will be absorbed by the CaCO₃ filler.

Solubility: Fully dispersible. Active will be insoluble micro- particles.

Specific gravity - density: Bulk density of product is approx 0.8.

Flashpoint: N/A

Explosive limits (air): N/A

Ignition temperature: N/A

10. STABILITY AND REACTIVITY

Chemical stability: Normally stable. Active may degrade in strong UV light.

Conditions to avoid: Very high or low temperatures.

Materials to avoid: Strong oxidising agents.

Hazardous decomposition products: Oxides of nitrogen and chlorine. Burning with limited oxygen may produce carbon monoxide.

Hazardous reactions: Not known. Does not polymerise.

11. TOXICOLOGICAL INFORMATION

Acute toxicity: Triadimefon: LD₅₀ rats 1000 mg/kg.

Chronic toxicity: Triadimefon: NOEL 300 mg/kg diet for rats over 2 years.

Possible routes of exposure: Inhalation of product dust and/or spray mist are the most likely causes of exposure.

Range of effects. Excessive exposure may affect human health as follows:

- Skin contact:** Irritant, especially the CaCO₃.



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Eye contact: Irritant, especially the CaCO₃.
Inhalation/ingestion: Irritant, especially the CaCO₃.
Dose/conc./conditions likely to cause injury: 10-20g.
Delayed effects if any:
Relevant negative data:

12. ECOLOGICAL INFORMATION

Ecotoxicity:
Aquatic organisms: Relatively non-toxic.
Flora: Relatively non-toxic.
Fauna : Relatively non-toxic.
Soil organisms: Relatively non-toxic.
Bees: Non-toxic.
Long term: Unknown but probably low.
Ozone effects: None recorded.
Mobility: Low.
Bioaccumulative potential: Unknown but probably low.

13. DISPOSAL CONSIDERATIONS

Product: Whenever possible, product should be used for its intended purpose, even if reclaimed from spillage (reclaimed product must be uncontaminated).
Containers: Whenever possible, follow directions given on container.
If not available, triple or pressure rinse plastic or metal containers before disposal. Recycle containers if possible (replace cap and return clean containers to recycler or designated collection point). Treat rinsings as for product above.
If not recycling, break, crush or puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.
Sewage: Do not dispose of product or rinsings into sewage systems or septic tanks.

14. TRANSPORT INFORMATION

Not a dangerous good, so has no UN Number, UN proper shipping name, ADG Class, or ADG Packing Group.
Special precautions: Do not store with foodstuffs.
4Farmers does not anticipate that this product will be shipped by air or sea, nor be exported. Extra precautions may apply if such transport is undertaken.

15. REGULATORY INFORMATION

AICS: All of the significant ingredients in this formulation are to be found in the public AICS Database.
This product is an Agricultural Chemical registered by the Agricultural Pesticides and Veterinary Medicines Authority.

16. OTHER INFORMATION

TLV –Threshold limit value.
TWA – Time weighted average.
This MSDS prepared February 2008.