

MATERIAL SAFETY DATA



Tebuconazole 430 FUNGICIDE

4 FARMERS PTY LTD

ACN 067 443 485
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Date of Issue: May '02

MSDS No. 55751

PRODUCT IDENTIFICATION

Product Name: 4Farmers Tebuconazole 430 Fungicide

Chemical Name: $(\pm)\text{-}\alpha\text{-}[(2\text{-chlorophenyl)ethyl}]\text{-}\alpha\text{-}(1,1\text{-dimethylethyl})\text{-}1\text{H-}1,2,4\text{-triazole-}1\text{-ethanol}$

Chemical Class: Triazole

Hazchem Code: None

UN No.: None

Packaging Group: None

EPG: No

Poison Schedule: S5

Physical appearance & Properties:

Appearance & Odour: off-white liquid suspension.

Melting/softening point: Liquid at normal pressures.

Boiling point: $>100^{\circ}\text{C}$

Vapour pressure: Not known

Volatile materials: 0%

Flashpoint: N App

Specific gravity: 1.12

Solubility in water: miscible

Corrosiveness: Not corrosive pH 4-7

Ingredients:

| Chemical Entity | CAS No | Proportion (g/L) |
|-----------------|-------------|------------------|
| Tebuconazole | 107534-96-3 | 430 |
| Emulsifiers | 57-55-6 | 100 - 290 |
| Water | 7732-18-5 | 300 - 600 |

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HEALTH HAZARD INFORMATION

Health Effects:

Statement of Hazardous Nature

Not classified as hazardous according to criteria of the National Occupational Health and Safety Commission

Chronic Animal studies have shown no evidence of oncogenic effect, carcinogenic effects or teratogenic potential.

Swallowed Harmful if swallowed

Skin Will irritate the skin.

Eye Will irritate the eyes

EMERGENCY AND FIRST AID PROCEDURES

First Aid:

If poisoning occurs contact a doctor or Poisons Information Centre.

Skin Remove contaminated clothing and wash skin thoroughly with soap and water.

Eye If in eyes, hold eyes open and flood with water for at least 15 minutes and see a doctor .

Notes to physician: Treat symptomatically. Contact a Poisons Information Centre on 131126.

PRECAUTIONS FOR USE

Exposure Standards:

NOHSC exposure standards have not been allocated for the active constituent nor the excipients in the formulation.

Engineering Controls:

Not applicable.

Personal protection:

Avoid contact with eyes, skin and clothing during mixing/pouring operations. Ensure adequate ventilation. Do not inhale spray mist or vapour.

Personal Protective Equipment:

When opening the container, preparing the spray and using the prepared spray, wear cotton overalls buttoned to the neck and wrist and a washable hat and elbow-length PVC gloves.

SAFE HANDLING INFORMATION

Storage & Transport:

Store in the closed, original container in a cool, well ventilated area. Do not store for long periods in direct sunlight. Store away from foodstuffs.

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National occupational exposure limits

If clothing becomes contaminated with product or wet with spray, remove clothing immediately. If product or spray on skin, immediately wash the area with soap and water. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use wash contaminated clothing, gloves etc. with detergent and water.

Engineering measures:

Natural ventilation should be adequate under normal use conditions. Keep containers closed when not in use.

Personal protection equipment:

OVERALLS, SAFETY SHOES, CHEMICAL GOGGLES, GLOVES (S), RESPIRATOR. Avoid skin and eye contact and inhalation of spray mist. Wear overalls, chemical goggles and impervious gloves.
VENTILATION. If inhalation risk exists wear a respirator meeting the requirements of AS 1715 and AS 1716.
Always wash hands before smoking, eating, drinking or using the toilet.

Stability:

No information available.

TOXICOLOGICAL INFORMATION

Main symptoms: No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms that may arise if the product is mishandled are:

LD50 oral (ingestion)

- rat male: >5000 mg/kg i.e. practically non-toxic

- rat female: 3352-3933 mg/kg i.e. practically non-toxic

LD50 dermal (skin contact) - >5000 mg/kg i.e. practically non-toxic

LC50 inhalation - >818 mg/cubic metre air i.e. practically non-toxic

These data refer to the active constituent.

Eye: mild eye irritant

ECOLOGICAL INFORMATION

Do NOT contaminate ponds, waterways or drains with the chemical or used container.

Fish toxicity: (active ingredient)

LC50: 6.4 mg/L (96h); rainbow trout (*Salmo gairdneri*)

LC50: 8.7 mg/L (96h); golden orfe (*Leuciscus idus*)

LC50: 5.7 mg/L (96h); bluegill (*Lepomis macrochirus*)

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Spills and disposals:

Prevent spill from spreading or entering waterways or drains. Take up with absorbent material such as sawdust, peat or binding agent for chemicals. Fill material along with any contaminated soil etc. into sealable containers. Clean affected area with an aqueous detergent and a small amount of water. Absorb this with hydrated lime and place in a sealable drum. On completion of clean-up, remove and wash all protective clothing and equipment with detergent and water. Any heavily contaminated clothing should be placed in a plastic garbage bag and placed in a sealable drum. Do not smoke, eat or drink during the clean-up operation.

Fire/Explosion Hazard:

Specific hazards: Non combustible material.

Fire fighting further advice:

Keep away from strong oxidising agents. Not flammable under normal conditions of use.

Suitable extinguishing media:

Water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide)

TRANSPORT INFORMATION

Classification according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code)

Shipping name: None

Packing group: None

DG Class: None

UN No: None Sub Risk: None

Hazchem: None

Dangerous Goods 1 Hazardous Substances Regulation This product is subject to the following regulations: Standard for the Uniform scheduling of Drugs and Poisons

IN CASE OF EMERGENCY: DIAL 000

FOR ADDITIONAL NON-EMERGENCY INFORMATION CALL

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