

**Material Safety Data Sheet**

A09224/03

Product Name BAYFIDAN TURF FUNGICIDE

**Statement of Hazardous Nature**

Hazardous according to criteria of the National Occupational Health and Safety Commission

**Company Address:** Bayer Australia Limited                      Emergency Phone 1800 033 111  
 875 Pacific Highway                                                      (24 Hrs Toll Free)  
 PYMBLE NSW 2073                                                        Phone (02) 9391-6000

**Identification**

Product Name BAYFIDAN TURF FUNGICIDE

<b>Issued</b>	1/4/1998	<b>Supersedes</b>			
<b>UN No</b>	None	<b>Hazardous?</b>	Yes	<b>Hazchem</b>	None
<b>DG Class</b>	None	<b>Poison Schedule</b>	S5	<b>Prod. Code</b>	68596
<b>Sub Risk</b>	None	<b>Packing Group</b>	None	<b>EPG No</b>	

**Uses** Agricultural fungicide for control of diseases as specified on the product label.

Product Descriptor: BAYFIDAN TURF

Proper Shipping Name: none

Chemical Characterisation: 250 g/L triadimenol  
 1-4(4-chlorophenoxy)-3,3-dimethyl-1-(1H-1,2,4 triazol-1-yl)butan-2-ol

Chemical Group: triazole derivative

**Physical Description/Properties**

Form: emulsifiable concentrate  
 Colour: light brown  
 Odour: slight characteristic odour  
 Change in Physical State:  
 melting point (degrees C): not established  
 boiling point (degrees C): approx. 190  
 Density (kg/litre): 1.09 at 20 degrees C  
 Vapour Pressure (at 20 degrees C): 0.00002 mbar  
 Viscosity: not established  
 Solubility in Water: emulsifiable up to 0.15 percent soluble in water  
 pH Value (10% in water): 6 - 8  
 Flash Point (closed cup): >91 degrees C  
 Ignition Temperature: 290 degrees C

**Ingredients**

<b>Chemical</b>	<b>CAS No.</b>	<b>Proportion</b>
Triadimenol	55219-65-3	250 g/L
Emulsifier		Med
Solvent		High

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**Ingredients**

**Chemical**

**CAS No.**

**Proportion**

Proportion (% weight/weight): Med = 10-29%; High = 30-60%

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**Health Hazards**

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**Health Effects**

No adverse health effects are expected if this product is used in accordance with the label. No symptoms of intoxication are to be expected.

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

**Eye**

May irritate the eyes.

**Inhaled**

May produce respiratory irritation if inhaled.

**First Aid**

If poisoning occurs contact a doctor or Poisons Information Centre.

**Skin**

Remove all contaminated clothing including shoes. Wash affected areas with soap and water.

**Eye**

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

**Inhaled**

Remove the patient to fresh air and make comfortable. Ensure that patient is kept strictly at rest.

**Advice to Doctor**

This product is unlikely to cause poisoning. If poisoning occurs treat symptomatically.

Antidote: none known

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**Precautions for Use**

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**Exposure Standards**

NOHSC exposure standards have not been assigned for the active ingredient nor the excipients in the formulation.

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**Precautions for Use**

(Continued)

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**Engineering Controls**

Not applicable.

**Personal Protection**

**Personal Protective Measures:**

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 preparing spray wear elbow-length PVC gloves and face shield.

**Industrial Hygiene:**

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.

**Flammability**

**Protection Against Fire:**

Product is stable. Avoid strong oxidising agents. Keep away from sources of ignition. Not flammable under normal conditions of use.

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**Safe Handling Information**

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**Storage**

Keep out of reach of children. Store in the tightly closed original container in a dry, well ventilated area, as cool as possible. Do not store for prolonged periods in direct sunlight. Do not store near any material intended for use or consumption by humans or animals.

**Transport**

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

Shipping name: None

Packing group: None

UN No: None

DG Class: None

Sub Risk: None

Hazchem: None

**Dangerous Goods / Hazardous Substances Regulation**

This product is subject to the following regulations:

Standard for the Uniform Scheduling of Drugs and Poisons

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**Safe Handling Information**

(Continued)

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**Spills**

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.

**Disposal**

1) After intended use:

Triple or (preferably) pressure rinse container before disposal. Add rinsings to the spray tank. Do not dispose of undiluted chemicals on site. Break, puncture, crush and bury rinsed container in a local authority landfill (check local statutory requirements). If not available, bury the container below 500 mm in a marked disposal pit specifically set up for this purpose, clear of waterways, vegetation and roots. Empty container and product should not be burnt.

2) After spill or accident:

Dispose of sealed containers at an approved local waste disposal site.

**Fire/Explosion Hazard**

Dangerous Decomposition or Combustion Products:

Thermal Decomposition:

Hazardous polymerisation will not occur.

Hazardous Decomposition Products:

In the event of fire the formation of hydrogen cyanide, hydrogen chloride, carbon monoxide and nitrogen oxides must be anticipated.

Hazardous Reactions: none

Extinguishing Media: water, extinguishing powder, foam, carbon dioxide

Further Information:

Special fire fighting procedures: Wear full protective clothing and self-contained breathing apparatus.

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**Other Information**

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**Information on Toxicity**

LD50 oral (ingestion) - rat: 2500 mg/kg (Bayer) i.e. practically non-toxic

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

Irritation of the skin - rabbit: non-irritant

Irritation of the mucous membrane - rabbit: slightly irritant

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**Other Information**

**(Continued)**

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**Information on Ecological Effects**

Low toxicity to bees.

Harmful to fish. Do NOT contaminate ponds, waterways or drains with the product or used container.

LC50: 42 mg/L (96 h); Rainbow trout (*Salmo gairdneri*) (Bayer)

LC50: 79 mg/L (96 h); Golden orfe (*Leuciscus idus*)

LC50: 253 mg/L (48 h); Water flea (*Daphnia magna*)

**Contact Point (for non-emergency calls)**

Product safety coordinator of Business Group: Crop Protection

Telephone Number: (02) 9391-6000

**DISCLAIMER**

This Material Safety Data Sheet has been developed according to the WORKSAFE/NOHSC Code of Practice.

The data, information and recommendations herein ("information") are represented in good faith and believed to be correct as of the date hereof.

The purpose of this Material Safety Data Sheet is to describe product in terms of their safety requirements.

Bayer Australia Limited makes no representation of merchantability, fitness for a particular purpose or application, or of any other nature with respect to the information or the product to which the information refers ("the product").

The information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purpose prior to the use of the product.

The physical data shown herein are typical values based on the material tested. These values should not be construed as a guaranteed analysis of any specific lot or as guaranteed specification for the product or specific lots thereof.

Due care should be taken to make sure that the use or disposal of this product and/or its packaging is in compliance with relevant Federal, State and Local Government regulations.