

# Safety Data Sheet

according to WHS Regulations

Printing date 28.09.2020

Revision: 28.09.2020

## 1 Identification

**Product Name:** GENFARM TEBUCONAZOLE 430 FUNGICIDE**Other Means of Identification:** Mixture**Recommended Use of the Chemical and Restriction on Use:** Agricultural fungicide**Details of Manufacturer or Importer:**

Nutrien Ag Solutions Limited  
 Level 5, Building A, 26 Talavera Road,  
 Macquarie Park NSW 2113

**Phone Number:** (02) 9889 5400**Emergency telephone number:** 1800 44 88 92

## 2 Hazard(s) 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 subject to the ADG Code when transported in Australia by Road or Rail in packages 500kg(L) or less; or IBCs (refer to SP AU01).



health hazard

Toxic To Reproduction 2 H361 Suspected of damaging fertility or the unborn child.



environment

Aquatic Acute 1 H400 Very toxic to aquatic life.

Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.



Acute Toxicity (Oral) 4 H302 Harmful if swallowed.

**Signal Word** Warning**Hazard Statements**

H302 Harmful if swallowed.

H361 Suspected of damaging fertility or the unborn child.

H410 Very toxic to aquatic life with long lasting effects.

**Precautionary Statements**

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

(Contd. on page 2)

# Safety Data Sheet

## according to WHS Regulations

Printing date 28.09.2020

Revision: 28.09.2020

**Product Name: GENFARM TEBUCONAZOLE 430 FUNGICIDE**

(Contd. of page 1)

P330 Rinse mouth.  
 P308+P313 IF exposed or concerned: Get medical advice/attention.  
 P391 Collect spillage.  
 P405 Store locked up.  
 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:**

CAS: 107534-96-3	Tebuconazole	43%
	☠ Toxic To Reproduction 2, H361; ☠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ☠ Acute Toxicity (Oral) 4, H302	
CAS: 57-55-6	Propylene glycol	10 - 30%

### 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. Immediately rinse mouth with water. Give a glass of water. Never give anything by mouth to an unconscious person. Seek medical attention if symptoms occur.

**Symptoms Caused by Exposure:**

Inhalation: May cause mild respiratory irritation.

Skin Contact: May cause skin irritation and numbness.

Eye Contact: May cause eye irritation or damage.

Ingestion: Harmful if swallowed. May cause irritation to mucous membranes.

### 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, other nitrogen compounds, hydrogen cyanide, water and smoke.

This product is not flammable, but may burn or decompose in a fire.

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.

(Contd. on page 3)

# Safety Data Sheet

according to WHS Regulations

Printing date 28.09.2020

Revision: 28.09.2020

**Product Name: GENFARM TEBUCONAZOLE 430 FUNGICIDE**

(Contd. of page 2)

## 6 Accidental Release Measures

### Personal Precautions, Protective Equipment and Emergency Procedures:

Wear appropriate respiratory protection and protective clothing. 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. If absorbent material is not available or spill is too large, create a dike to stop spill from spreading. Collect the spilled material and place into a suitable container for disposal.

## 7 Handling and Storage

### Precautions for Safe Handling:

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours.

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 out of direct sunlight. Keep in original container, tightly closed when not in use. Keep away from strong oxidising agents, acids and bases.

## 8 Exposure Controls and Personal Protection

### Exposure Standards:

**CAS: 57-55-6 Propylene glycol**

NES	TWA: 474* 10** mg/m <sup>3</sup> , 150* ppm
	*vapour&particulates,**particulates only

### Engineering Controls:

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapour below occupational exposure standards.

### Respiratory Protection:

Use an approved vapour 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, rubber or butyl rubber 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.

(Contd. on page 4)

# Safety Data Sheet

according to WHS Regulations

Printing date 28.09.2020

Revision: 28.09.2020

**Product Name: GENFARM TEBUCONAZOLE 430 FUNGICIDE**

(Contd. of page 3)

**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:**

<b>Form:</b>	Liquid
<b>Colour:</b>	Off-white
<b>Odour:</b>	No information available
<b>Odour Threshold:</b>	No information available
<b>pH-Value:</b>	4 - 7
<b>Melting point/freezing point:</b>	No information available
<b>Initial Boiling Point/Boiling Range:</b>	~100 °C (at 100 kPa)
<b>Flash Point:</b>	No information available
<b>Flammability:</b>	Product is not flammable.
<b>Auto-ignition Temperature:</b>	No information available
<b>Decomposition Temperature:</b>	No information available
<b>Explosion Limits:</b>	
<b>Lower:</b>	No information available
<b>Upper:</b>	No information available
<b>Vapour Pressure at 20 °C:</b>	2.37 kPa (water vapour pressure)
<b>Relative Density:</b>	1.12
<b>Vapour Density:</b>	No information available
<b>Evaporation Rate:</b>	No information available
<b>Solubility in Water:</b>	Miscible
<b>Partition Coefficient (n-octanol/water):</b>	No information available

## 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:** Direct sunlight.

**Incompatible Materials:** Strong oxidising agents, acids and bases.

**Hazardous Decomposition Products:**

Oxides of carbon and nitrogen, other nitrogen compounds, hydrogen cyanide, water and smoke.

## 11 Toxicological Information

**Toxicity:****LD50/LC50 Values Relevant for Classification:****CAS: 107534-96-3 Tebuconazole**

Oral	LD50	3,000 mg/kg (mouse) 1,700 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rat)
Inhalation	LC50/4 h	0.37 mg/l (rat)

(Contd. on page 5)

# Safety Data Sheet

according to WHS Regulations

Printing date 28.09.2020

Revision: 28.09.2020

**Product Name: GENFARM TEBUCONAZOLE 430 FUNGICIDE**

(Contd. of page 4)

<b>CAS: 57-55-6 Propylene glycol</b>		
Oral	LD50	2,000 mg/kg (rat)
Dermal	LD50	20,800 mg/kg (rabbit)

**Acute Health Effects****Inhalation:** May cause mild respiratory irritation.**Skin:** May cause mild skin irritation.**Eye:** May cause eye irritation or damage.**Ingestion:** Harmful if swallowed. May cause irritation to mucous membranes.**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:** Suspected of damaging fertility or the unborn child.**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:** No information available**Existing Conditions Aggravated by Exposure:** No information available**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 NOAEL 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.

(Ref: Australian Pesticides and Veterinary Medicines Authority, 'Acceptable Daily Intakes for Agricultural and Veterinary Chemicals', 2020).

## 12 Ecological Information

**Ecotoxicity:**

Tebuconazole:

LD50 4438 mg/kg (male Japanese quail)

LD50 2912 mg/kg (female Japanese quail)

LD50 1988 mg/kg (Bobwhite quail)

LD50 1.381 mg/kg (Worms, Eisenia foetida)

**Aquatic toxicity:**

Very Toxic to aquatic life with long lasting effects.

<b>CAS: 107534-96-3 Tebuconazole</b>		
EC50/72 h		4.01 mg/l (green algae)
LC50/96 h		8.7 mg/l (golden orfe)

(Contd. on page 6)

# Safety Data Sheet

according to WHS Regulations

Printing date 28.09.2020

Revision: 28.09.2020

**Product Name: GENFARM TEBUCONAZOLE 430 FUNGICIDE**

(Contd. of page 5)

	6.4 mg/l (rainbow trout)
LC50/48 h	11.5 mg/l (daphnia)

**Persistence and Degradability:** No information available**Bioaccumulative Potential:** No information available**Mobility in Soil:** Tebuconazole has low mobility in soil. Leaching is not expected to occur.**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****ADG**

Not subject to the ADG Code when transported in Australia by Road or Rail in packages 500kg(L) or less; or IBCs (refer to SP AU01).

UN3082

**IMDG, IATA****Proper Shipping Name****ADG****IMDG, IATA**

Not regulated

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Tebuconazole)

**Dangerous Goods Class****ADG Class:****IMDG Class:**

Not regulated

9 Miscellaneous dangerous substances and articles.

**Packing Group:****ADG****IMDG, IATA**

Not regulated

III

**Marine pollutant:**

Yes

Symbol (fish and tree)

**EMS Number:**

F-A,S-F

**Hazchem Code:**

•3Z

**Special Provisions:**

274, 331, 335, 375, AU01

**Limited Quantities:**

5L

**Packagings & IBCs - Packing Instruction:**

P001, IBC03, LP01

**Packagings & IBCs - Special Packing Provisions:** PP1**Portable Tanks & Bulk Containers - Instructions:** T4

(Contd. on page 7)

# Safety Data Sheet

according to WHS Regulations

Printing date 28.09.2020

Revision: 28.09.2020

**Product Name: GENFARM TEBUCONAZOLE 430 FUNGICIDE**

(Contd. of page 6)

**Portable Tanks & Bulk Containers - Special Provisions:**

TP1, TP29

## 15 Regulatory Information

### Australian Inventory of Chemical Substances:

CAS: 107534-96-3 Tebuconazole

CAS: 57-55-6 Propylene glycol

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

Poisons Schedule: 5

## 16 Other Information

**Date of Preparation or Last Revision:** 28.09.2020**Prepared by:** MSDS.COM.AU Pty Ltd[www.msds.com.au](http://www.msds.com.au)

### Abbreviations and acronyms:

ADG: Australian Dangerous Goods

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: 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 Toxicity (Oral) 4: Acute toxicity - oral – Category 4

Toxic To Reproduction 2: Reproductive toxicity – Category 2

Aquatic Acute 1: Hazardous to the aquatic environment, short-term (Acute). Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment, long-term (Chronic). Category 1

### Data altered compared to the previous version:

Section 1: Details of Manufacturer or Importer.

Section 1: Phone Number.

Section 1: Emergency Telephone Number.

Section 4: Symptoms Caused by Exposure.

Section 5: Special Hazards Arising from the Chemical.

Section 11: Toxicity.

Section 11: Acute Health Effects.

Section 11: Reproductive Toxicity.

Section 11: Carcinogenicity.

Section 11: Additional Toxicological Information.

Section 14: Special Provisions.

### 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 - May 2018"

The information contained in this safety data sheet is provided in good faith and is believed to be accurate at the date of issuance. Landmark Operations Limited 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

(Contd. on page 8)

# **Safety Data Sheet**

**according to WHS Regulations**

Printing date 28.09.2020

Revision: 28.09.2020

**Product Name: GENFARM TEBUCONAZOLE 430 FUNGICIDE**

(Contd. of page 7)

suitability of the information provided to the particular circumstances in which the product is used.