

SAFETY DATA SHEET

SECTION 1

IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: **Apparent TebuPro 420 SC Fungicide**

Other Names: Prothioconazole +Tebuconazole
Use: Agricultural fungicide for winter cereals, canola & pyrethrum.
Company: AIRR Apparent Pty Ltd
Address: 15/16 Princes Street, Newport NSW 2106
ACN/ABN: 153 573 641
Email: enquiries@apparentag.com.au
Emergency Contact: 0411 227 338

SECTION 2

HAZARDS IDENTIFICATION

**Not classified as hazardous according to criteria of Safe Work Australia.
Not classified as a Dangerous Good according to the ADG Code*.**

* Not subjected to the ADG code when transported in Australia by Road or Rail in packages 500 kg (L) or less; or in IBC's (refer to SP AU01). However, if transported by Air or Sea, this provision does not apply. Then the product is classed as Dangerous (Class 9 Environmentally Hazardous) by IATA and IMDG respectively. See Section 14 of this SDS for details.

Globally Harmonised System (GHS) classification of the substance/mixture:

Reproductive Toxicity: Hazard Category 2.

Hazardous to the Aquatic Environment – Long term hazard: Hazard Category 2.

Signal Word: WARNING.

Hazard Statements:

H361 Suspected of damaging fertility or the unborn child.

H411 Toxic to Aquatic life with long lasting effects.

Precautionary statements:

Prevention:

P201 Obtain special instructions before use.

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

P280 Wear protective gloves, protective clothing and face protection

P273 Avoid release to the environment.

Response:

P308 + P313 If exposed or concerned: Get medical advice/attention.

P391 Collect spillage

Disposal:

P405 Store locked up.

P501 Dispose of contents/container in accordance with national regulations

Pictograms:



SECTION 3**COMPOSITION/INFORMATION ON INGREDIENTS****Ingredients:**

CHEMICAL	CAS NUMBER	PROPORTION
Prothioconazole	178928-70-6	210 g/L
Tebuconazole	107534-96-3	210 g/L
Glycerol	56-81-5	10 – 40 g/L
Other ingredients determined not to be hazardous		Balance

SECTION 4**FIRST AID MEASURES****FIRST AID**

- Ingestion:** If swallowed, do not induce vomiting. Rinse mouth thoroughly with water. Contact a doctor or Poisons Information Centre Phone 13 11 26.
- Eye contact:** If in eyes, hold eyelids open and wash with clean water until chemical is removed. If irritation occurs and persists, seek medical advice.
- Skin contact:** Remove contaminated clothing and wash affected areas thoroughly with soap and water. Launder contaminated clothing before re-use. If irritation occurs and persists, seek medical advice.
- 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.
- Advice to Doctor:** Treat Symptomatically. There is no specific antidote.

SECTION 5**FIRE FIGHTING MEASURES**

Specific Hazard: Not flammable.

Extinguishing media: Not flammable. Use extinguishing media suitable for surrounding area. Extinguish fire preferably using alcohol-resistant foam, but normal foam is effective. If not available, use waterfog or fine water spray but ensure all runoff is contained.

Hazards from combustion products: Closed containers may explode when exposed to extreme heat. Containers close to fire should be removed if safe to do so. Use water spray to cool fire exposed containers. Hazardous combustion products include oxides of carbon, nitrogen and sulphur, hydrogen cyanide, other nitrogen compounds, sulphur compounds, smoke and water. This product is not combustible, but may decompose in a fire. Firefighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or smoke.

Precautions for fire-fighters and special protective equipment: Isolate fire area. Evacuate downwind residents. Wear full protective clothing and self-contained breathing apparatus. Do not breathe smoke or vapours generated.

SECTION 6**ACCIDENTAL RELEASE MEASURES**

Emergency procedures: Wear cotton overalls buttoned to the neck and wrist and elbow length chemical resistant gloves. In the case of spillage, stop leak if safe to do so, and contain spill. Prevent spillage entering drains or watercourses. Contain and absorb spilled material with absorbent material such as sand, clay, cat litter or material such as vermiculite. Collect recoverable product for use as labelled on the product. Vacuum, shovel or pump contaminated spilled material into an approved container and dispose of waste as per the requirements of Local or State Waste Management Authorities. Keep out animals and unprotected persons. Launder protective clothing before storage or re-use.

Material and methods for containment and cleanup procedures: To clean spill area, tools and equipment, wash with a solution of soap, water and acetic acid/vinegar. Follow this with a neutralisation step of washing the area with a bleach or caustic soda ash solution. Finally, wash with a strong soap and water solution. Absorb, as above, any excess liquid and add both solutions to the drums of waste already collected. If a significant quantity of material enters drains, advise emergency services. Thoroughly launder protective clothing before storage or re-use.

SECTION 7**HANDLING AND STORAGE**

Precautions for Safe Handling: May irritate the eyes. Avoid contact with eyes. When opening the container, mixing and loading and preparing the spray, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), and elbow-length chemical resistant gloves. When using the prepared spray wear cotton overalls buttoned to the neck and wrist (or equivalent clothing). Wash hands after use. After each day's use, wash gloves and contaminated clothing.

Conditions for Safe Storage: Store in the closed, original container in a cool, dry place out of the reach of children. DO NOT store in direct sunlight. Not classified as a Dangerous Good. This product is a Schedule 5 Poison (S5) and must be stored, transported and sold in accordance with the relevant Health Department regulations.

SECTION 8**EXPOSURE CONTROLS / PERSONAL PROTECTION**

Exposure Standards: Exposure guidelines have not been established for this product by Safe Work Australia.

Biological Limit Values:

No biological limit allocated.

Engineering controls:

Use in well ventilated areas. Keep containers closed when not in use.

Personal Protective Equipment (PPE):

General: When opening the container, mixing and loading and preparing the spray, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), and elbow-length chemical resistant gloves. When using the prepared spray wear cotton overalls buttoned to the neck and wrist (or equivalent clothing).

Personal Hygiene: May irritate the eyes. Avoid contact with eyes. Clean water should be available for washing in case of eye or skin contamination. Wash hands after use. After each day's use, wash gloves and contaminated clothing.

SECTION 9**PHYSICAL AND CHEMICAL PROPERTIES**

Appearance:	White to light beige coloured liquid suspension.
Odour:	No data available.
Boiling point:	Approximately 100°C.
Freezing point:	Approximately 0°C.
Specific Gravity:	1.1 approx at 20°C.
Solubility in Water:	Disperses/suspends in water.
pH:	6.5 – 8.5.
Flammability:	Not flammable.
Corrosive hazard:	Not corrosive.
Flashpoint (°C):	Not flammable.
Flammability Limits (%):	Not applicable.
Poisons Schedule:	This product is a Schedule 5 (S5) poison.
Formulation type:	Suspension Concentrate (SC).

SECTION 10**STABILITY AND REACTIVITY**

Chemical Stability: Product is considered stable in ambient conditions for a period of at least 2 years after manufacture.

Conditions to avoid: Do not store for prolonged periods in direct sunlight.

Incompatible materials: Avoid strong oxidising agents.

Hazardous decomposition products: Product is unlikely to decompose until heated to dryness. On further heating may emit toxic fumes.

Hazardous reactions: Hazardous polymerisation will not occur.

SECTION 11**TOXICOLOGICAL INFORMATION**

No specific data is available for this product as no toxicity tests have been conducted on this product. Information presented is our best judgement based on similar products and/or individual components. As with all products for which limited data is available, caution must be exercised through the use of protective equipment and handling procedures to minimise exposure.

Potential Health Effects:**ACUTE EFFECTS**

Ingestion: Calculated LD₅₀ > 2000 mg/kg. Ingestion may cause gastrointestinal irritation.

Skin: Prolonged contact with the concentrate may cause irritation. Estimated LD₅₀ > 4000 mg/kg.

Eye: The concentrate may cause irritation of the eyes.

Inhalation: May cause irritation to the respiratory tract. Estimated LC₅₀ > 2.1 mg/L/4 hrs.

Long Term Exposure:

The active ingredients have been extensively tested on laboratory mammals and in test tube systems. No evidence of mutagenic or genotoxic effects were obtained. Prothioconazole was not found to be carcinogenic. Although tebuconazole caused an increase in tumours in mice at high doses, the mechanism of tumour formation is not considered to be relevant to man. Both Prothioconazole and Tebuconazole caused reproduction and development toxicity at high doses but in both cases the dose levels were toxic to the dams or related to parental toxicity.

SECTION 12**ECOLOGICAL INFORMATION****Environmental Toxicology:**

Species	Prothioconazole	Tebuconazole
Rainbow trout	LC ₅₀ (96 hr) = 1.79 mg/L	LC ₅₀ (96 hr) = 5.7 mg/L
<i>Daphnia magna</i>	EC ₅₀ (48 hr) = 1.3 mg/L	LC ₅₀ (48 hr) = 4.2 mg/L
Bobwhite quail	LD ₅₀ = > 2000 mg/kg	LD ₅₀ = 1988 mg/kg
Aquatic plants	EC ₅₀ (72 hr) = 0.073 mg/L	EC ₅₀ (72 hr) = 4.01 mg/L

Environmental Fate: Tebuconazole degrades in soil and does not accumulate in soil. Tebuconazole has low mobility in soil and a low potential to bioaccumulate. Prothioconazole was shown in field studies to dissipate rapidly, and where it was detected, remained in the top 10 cm of soil.

SECTION 13**DISPOSAL CONSIDERATIONS**

Spills and Disposal: Wear prescribed protective clothing and equipment. Keep material out of streams and sewers. Dispose of drummed wastes, including decontamination solution in accordance with the requirements of Local or State Waste Management Authorities. In rural areas contact ChemClear <http://www.chemclear.com.au> for help with collection of unwanted rural chemicals. Ideally the product should be used for its intended purpose. If there is a need to dispose of the product, approach local authorities who hold periodic collections of unwanted chemicals (ChemClear®).

Disposal of empty containers: Triple-rinse containers before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or a designated collection point. If not recycling, break, crush or puncture and deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose, clear of waterways, desirable vegetation and tree roots, in compliance with relevant local, state or territory government regulations. Do not burn empty containers or product.

SECTION 14**TRANSPORT INFORMATION**

Road & Rail Transport: This product is exempt from classification as a Dangerous Good in packs 500 kg (L) or less; or in IBC's (refer to SP AU01) under the Australian Code for the Transport of Dangerous Goods by Road and Rail. For bulk shipments this product is a class 9, UN 3082.

SECTION 14 TRANSPORT INFORMATION (Continued)

Apparent TebuPro 420 SC Fungicide is classified as a Marine Pollutant according to International Maritime Dangerous Goods (IMDG) Code and the International Air Transport Association (IATA). If transporting by sea or air the following Dangerous Goods Classification applies:- UN 3082, Class 9 (Miscellaneous Dangerous Goods), Packing Group III, Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Contains Tebuconazole and Prothioconazole). Hazchem code ●3Z. Hazard Identification Number (HIN) 90.

SECTION 15 REGULATORY INFORMATION

Under the Standard for Uniform Scheduling of Medicines and Poisons (SUSMP), this product is a Schedule 5 poison.

This product is registered under the Agricultural and Veterinary Chemicals Code Act 1994. Product Registration No. 89161.

This product is classified as a Hazardous Substance under the criteria of Safe Work Australia.

This product is not classified as a Dangerous Good according to the ADG Code (7th Ed).

This product is classified as a Dangerous Good according to International Maritime Dangerous Goods (IMDG) Code and the International Air Transport Association (IATA).

Requirements concerning special training:

Check State or Territory regulations that require people who use pesticides in their job or business to have training in the application of the materials.

SECTION 16 OTHER INFORMATION

Issue Date: 29 June 2020. Valid for 5 years till 29 June 2025 (First issue).

Key to abbreviations and acronyms used in this SDS:

ADG Code Australian Dangerous Goods Code (for the transport of dangerous goods by Road and Rail).

Carcinogen: An agent which is responsible for the formation of a cancer.

Genotoxic: Capable of causing damage to genetic material, such as DNA.

Lavage: A general term referring to cleaning or rinsing.

Mutagen: An agent capable of producing a mutation.

Myotoxic: Having or being a toxic effect on muscle.

Pneumonitis: A general term that refers to inflammation of lung tissue.

PPE: Personal protective equipment.

Teratogen: An agent capable of causing abnormalities in a developing foetus.

Safe Work Australia: Formally known as Australian Safety & Compensation Council (ASCC) which was formally known as the National Occupational Health & Safety Commission (NOHSC).

References

1. "Hazardous Chemicals Information System". Safe Work Australia HCIS website. (2020).
2. "Classifying Hazardous Substances" Safe Work Australia. August 2018.
3. Globally Harmonized System of Classification and Labelling of Chemicals (GHS). United Nations, 2009.

This SDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

End SDS.