

# SAFETY DATA SHEET

## SECTION 1

## IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: **Apparent Propiconazole 250 EC Fungicide**

**Other Names:** Propiconazole, Group 3 Fungicide.  
**Use:** A liquid broad spectrum agricultural fungicide.  
**Company:** Apparent Pty Ltd.  
**Address:** Suite G.08, 762 Toorak Rd, Glen Iris, Vic 3146.  
PO Box 3092, Cotham PO, Kew, Vic 3101  
**ACN/ABN:** 143 724 136  
**Telephone Number:** 03 9822 13216  
**Fax Number:** 03 9817 7845  
**Emergency Contact:** 0411 227 338  
**Email:** [wardell@bigpond.net.au](mailto:wardell@bigpond.net.au)

## SECTION 2

## HAZARDS IDENTIFICATION

**Classified as hazardous according to criteria of Safe Work Australia.  
Not classified as a Dangerous Good according to the ADG Code.  
Combustible Liquid (C1).**

### GHS Classification:

Acute toxicity – Oral: Category 4.  
Sensitisation: Category 1, 1A, 1B.  
Aspiration hazard: Category 1

**Signal Word:** DANGER.

### Hazard statements:

H302 Harmful if swallowed.  
H317 May cause an allergic skin reaction.  
H304 May be fatal if swallowed and enters airways.

### Precautionary Statements:

#### Prevention:

P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P264 Wash hands, arms and face thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P281 Use personal protective equipment as required.

#### Response:

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if feel unwell.  
P308 + P313 IF exposed or concerned: Get medical advice/ attention:  
P330 Rinse mouth.  
P331 Do NOT induce vomiting.

#### Storage and Disposal

P405 Store locked up.  
P501 Dispose of contents/container in accordance with national regulations.

**SECTION 2 HAZARDS IDENTIFICATION (Continued)**

Pictograms:

**SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS**

Ingredients:

<b>CHEMICAL</b>	<b>CAS NUMBER</b>	<b>PROPORTION</b>
Propiconazole	60207-90-1	250 g/L
Hydrocarbon Liquid		600 g/L
Other ingredients determined not to be hazardous		Balance

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

**Ingestion:** If swallowed do NOT induce vomiting. If poisoning occurs, contact a Doctor or Poisons Information Centre. Phone 131 126. Rinse mouth and give plenty of water to drink. Make every effort to prevent vomit from entering the lungs by careful placement of the patient.

**Eye contact:** Immediately hold eyes open and flood gently with clean water until chemical is removed. Ensure irrigation under eyelids by occasionally lifting them. Do not try to remove contact lenses unless trained. If irritation persists, seek medical advice.

**Skin contact:** Remove contaminated clothing. Wash skin with soap and water thoroughly to remove chemical. If skin is irritated, seek medical advice. Launder contaminated clothing before re-use.

**Inhalation:** Remove to fresh air and observe until recovered. If effects persist, seek medical advice.

**Advice to Doctor:** No specific antidote. Treat symptomatically.

**SECTION 5 FIRE FIGHTING MEASURES**

**Specific Hazard:** Combustible liquid. Flash point > 61°.

**Extinguishing media:** Combustible liquid (C1). Extinguish fire using foam blanket, carbon dioxide or dry agent. If not available, use waterfog or fine water spray but ensure all runoff is contained. Contain all runoff.

**Hazards from combustion products:** Product will decompose when burnt and will emit toxic and noxious fumes. Firefighters to wear self-contained breathing apparatus and suitable protective clothing if risk to 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**

**Emergence procedures / Material and methods for containment and cleanup procedures:** Wear cotton overalls, buttoned to the neck and wrist, a washable hat, elbow-length PVC, nitrile or neoprene gloves, goggles and disposable fume mask. In the case of spillage, stop leak if safe to do so, and contain spill. Contain and absorb spilled material with absorbent material such as sand, clay, cat litter or material such as vermiculite. Vacuum, shovel or pump spilled material into an approved container and dispose of waste as indicated in section 13 or according to the Australian Standard 2507 - Storage and Handling of Pesticides. Keep out animals and unprotected persons.

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**SECTION 6 ACCIDENTAL RELEASE MEASURES (Continued)**

After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. Thoroughly launder protective clothing before storage or re-use.

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**SECTION 7 HANDLING AND STORAGE**

**Precautions for Safe Handling:** Harmful if swallowed. Will damage the eyes. Will irritate the nose, throat and skin. Avoid contact with eyes and skin. Do not inhale vapour. When opening the container and preparing the product for use wear cotton overalls, buttoned to the neck and wrist, a washable hat, elbow-length PVC, nitrile or neoprene gloves, goggles and disposable fume mask. When using the prepared spray wear cotton overalls, buttoned to the neck and wrist, a washable hat, elbow-length PVC, nitrile or neoprene gloves and goggles. If product in eyes wash it out immediately with water. If product on skin immediately wash area with soap and water. Wash hands after use. After each day's use, wash gloves, goggles and contaminated clothing.

**Conditions for Safe Storage:** Store in the closed, original container in a well ventilated area away from children, animals, food, feedstuffs, seed and fertilisers. Do not store for prolonged periods in direct sunlight. Ideally, the product should be stored below 30°C. This product is classified as a C1 (Combustible Liquid) for the purpose of storage and handling, in accordance with the requirements of AS 1940. Refer to state regulations for storage and transport requirements. Do not store or use near naked flame, or heat sources. Do not cut or weld container.

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**SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION****Exposure Guidelines:**

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

**Biological Limit Values:**

No biological limit allocated.

**Engineering controls:**

Keep containers closed when not in use. No special engineering controls are required, however make sure that the work environment remains clean and that vapours and mists are minimised.

**Personal Protective equipment (PPE):**

General: When opening the container and preparing the product for use wear cotton overalls, buttoned to the neck and wrist, a washable hat, elbow-length PVC, nitrile or neoprene gloves, goggles and disposable fume mask. When using the prepared spray wear cotton overalls, buttoned to the neck and wrist, a washable hat, elbow-length PVC, nitrile or neoprene gloves and goggles. If product in eyes wash it out immediately with water. If product on skin immediately wash area with soap and water. Wash hands after use. After each day's use, wash gloves, goggles and contaminated clothing.

Personal Hygiene: Clean water should be available for washing in case of eye or skin contamination. Wash skin before eating, drinking or smoking. Shower at the end of the workday.

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**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Clear yellow coloured liquid.
<b>Odour:</b>	No odour.
<b>Boiling point:</b>	No data available.
<b>Freezing point:</b>	No data available.
<b>Specific Gravity:</b>	No data available.
<b>Solubility in Water:</b>	Emulsifies in water.
<b>pH:</b>	No data available.
<b>Flammability:</b>	Not flammable.
<b>Corrosive hazard:</b>	Not corrosive.
<b>Flashpoint (°C):</b>	Not flammable.
<b>Poisons Schedule:</b>	This product is a schedule 6 (S6) poison.
<b>Formulation Type:</b>	Emulsifiable Concentrate (EC).

**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. Do not store or use near naked flame, or heat sources.

**Incompatible materials:** Strong oxidising agents and strong alkalis.

**Hazardous decomposition products:** When involved in a fire will emit toxic and noxious fumes.

**Hazardous reactions:** No particular reactions to avoid.

**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**

**Swallowed:** Harmful if swallowed. Acute Oral LD<sub>50</sub> > 2000 mg/kg for similar product.

**Eye:** The concentrate is irritating to the eyes. Prolonged contact with the concentrate may cause damage to the eye. Symptoms may include stinging and reddening of eyes and watering. If exposure is brief, symptoms should disappear once exposure has ceased and eye has been washed with water.

**Skin:** This product may be irritating to the skin after prolonged or repeated contact. LD<sub>50</sub> > 4000 mg/kg (similar product).

**Inhaled:** Inhalation of mists or sprays may produce respiratory irritation. Hydrocarbon solvent may cause central nervous system depression.

**Long Term Exposure:**

**Chronic toxicity: Teratology/development toxicity:** Developmental toxicity in rats and rabbits was observed only at maternally toxic dose levels of propiconazole technical.

**Reproductive toxicity:** No reproductive toxicity was observed in a study with rats exposed to propiconazole technical for two generations.

**Mutagenicity:** Propiconazole technical does not present any genetic hazard to intact animal systems.

This product contains a solvent mixture. Reports have associated repeated and prolonged occupational overexposures to solvents with permanent brain and nervous system damage. Symptoms reported include fatigue, concentration difficulties, anxiety, depression, rapid mood swings and short-term memory loss. Since many other diseases cause some or all of these symptoms, a doctor should be consulted if any appear.

**SECTION 12****ECOLOGICAL INFORMATION**

**Environmental Toxicology:** Low toxicity to birds. Acute oral LD<sub>50</sub> bobwhite quail > 2825 mg/kg, mallard ducks > 2510 mg/kg and Japanese quail = 2223 mg/kg. Moderate to high toxicity to aquatic organisms. The reported 96-hour LC<sub>50</sub> values for rainbow trout is 5.3 mg/L, carp = 6.8 mg/L and golden orfe 5.1 mg/L. The 48-hour LC<sub>50</sub> for Daphnia (water flea), an important food source for freshwater fish, is 4.8 mg/L. The EC<sub>50</sub> (5 days) for green algae is 17 mg/L. Low toxicity to honeybees. The reported LC<sub>50</sub> values for earthworms in soil is 454 mg/kg.

**Environmental Fate:**

Propiconazole is of moderate persistent in most soils with T<sub>50</sub> = 110 days. This product is unlikely to accumulate in body tissues. After oral administration to the rat, Propiconazole is rapidly absorbed and also rapidly and almost completely eliminated with urine and faeces. Residues in tissues were generally low and there was no evidence for accumulation or retention of Propiconazole or its metabolites.

**SECTION 13****DISPOSAL CONSIDERATIONS**

**Spills and Disposal:** Persons involved in cleanup require adequate skin protection - see section 8. Spills and Disposal: 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.

**Disposal of empty containers:** Triple or preferably pressure 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 designated collection point. If not recycling, break, crush, or puncture and bury empty containers in a local authority landfill. 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.

drumMUSTER is the national program for the collection and recycling of empty, cleaned, non returnable crop production and on-farm animal health chemical containers. If the label on your container carries the drumMuster symbol, triple rinse the container, ring your local Council, and offer the container for collection in the program.

**SECTION 14****TRANSPORT INFORMATION**

**Transport:** Apparent Propiconazole 250 EC Fungicide is not classified as a Dangerous Goods under the Australian Code for the Transport of Dangerous Goods by Road and Rail, the International Maritime Dangerous Goods (IMDG) Code or the International Air Transport Association (IATA). This product is a Schedule 6 Poison (S6) and must be stored, transported and sold in accordance with the relevant Health Department regulations.

**SECTION 15****REGULATORY INFORMATION**

Under the Standard for Uniform Scheduling of Medicines and Poisons (SUSMP), this product is a schedule 6 poison.

This product is registered under the Agricultural and Veterinary Chemicals Code Act 1994. Product Registration No. 69469.

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 (7<sup>th</sup> Ed).

*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: 12 May 2014. Valid for 5 years. (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).

Ataxia: Inability to control the coordinate movements of the muscles.

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

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

Mutagenic: Capable of inducing a genetic mutation in an organism.

LD<sub>50</sub>: Median Lethal Dose A statistically derived single dose of a substance that can be expected to cause death in 50% of dosed animals.

OCS: Office of Chemical Safety.

PPE: Personal protective equipment.

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

**SECTION 16 OTHER INFORMATION (Continued)**

TWA: The Time Weighted Average airborne concentration over an eight-hour working day, for a five day working week over an entire working life.

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. "Search Hazardous Substances". Safe Work Australia website. (2014).
2. "Approved Criteria for Classifying Hazardous Substances" 3rd Ed. NOHSC Australia. [NOHSC:1008 (2004)]. October 2004.
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