

# SAFETY DATA SHEET

## SECTION 1

## IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: **Apparent Kingpin Flowable Fungicide/Insecticide Seed Dressing**

**Other Names:** Tebuconazole + Triflumuron Seed Dressing  
**Use:** Agricultural seed dressing fungicide for wheat, barley and oats.  
**Company:** Apparent Pty Ltd  
**Address:** Suite G.08 762 Toorak Road, Hawthorn East, Vic 3123  
PO Box 3092, Cotham PO, Kew, Vic 3101  
**ACN/ABN:** 143 724 136  
**Telephone Number:** 03 9822 1321  
**Email:** [enquiries@apparentag.com.au](mailto: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:**  
Under the Globally Harmonised System (GHS) this product is not classified a hazardous substance.

## SECTION 3

## COMPOSITION/INFORMATION ON INGREDIENTS

### Ingredients:

<b>CHEMICAL</b>	<b>CAS NUMBER</b>	<b>PROPORTION</b>
Tebuconazole	107534-96-3	25 g/L
Triflumuron	64628-44-0	4 g/L
Other ingredients determined not to be hazardous		Balance

## SECTION 4

## FIRST AID MEASURES

### FIRST AID

**Ingestion:** If swallowed contact a doctor or Poisons Information Centre Phone 13 11 26. Rinse mouth thoroughly with water.

**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:** Overexposure by inhalation is improbable. Check for other causes of observed symptoms; move victim to fresh air and seek medical advice.

**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 using carbon dioxide, foam or dry agent. If not available, use waterfog or fine water spray but ensure all runoff is contained.

**Hazards from combustion products:** There is no risk of an explosion from this product under normal circumstances if involved in a fire. Product is unlikely to decompose until heated to dryness. On further heating will emit toxic fumes. 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 chemical resistant gloves. In the case of spillage, stop leak if safe to do so, and contain spill. Absorb spilled material with absorbent material such as sand, clay or cat litter and dispose of waste in accordance with the requirements of Local or State Waste Management Authorities. Keep out animals and unprotected persons.

**Material and methods for containment and cleanup procedures:** 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.

## SECTION 7

## HANDLING AND STORAGE

**Precautions for Safe Handling:** Although no specific personal protective equipment is required it is good occupational practice to wear suitable personal protective equipment such as overalls and chemical resistant gloves. Avoid contact with eyes and skin. Wash hands after use. DO NOT allow seed treated with this product to contaminate grain intended for human consumption. If possible, use a separate auger for treating seed. If using the same auger for treating grain and moving grain for human consumption, ensure auger is completely cleaned. Seed treated with this product must not be used for animal consumption, poultry feed or mixed with animal feed. DO NOT allow seed treated with this product to contaminate grain intended for animal consumption.

**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: Although no specific personal protective equipment is required it is good occupational practice to wear suitable personal protective equipment such as overalls and chemical resistant gloves. Avoid contact with eyes and skin. Wash hands after use.

Personal Hygiene: Avoid contact with eyes. Clean water should be available for washing in case of eye or skin contamination. Wash skin before eating, drinking or smoking.

## SECTION 9

## PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Red coloured liquid suspension.
<b>Odour:</b>	No data available.
<b>Boiling point:</b>	Approximately 100°C.
<b>Freezing point:</b>	Approximately 0°C.
<b>Specific Gravity:</b>	1.0 approx at 20°C.
<b>Solubility in Water:</b>	Disperses/suspends in water.
<b>pH:</b>	4.5 – 5.5.
<b>Flammability:</b>	Not flammable.
<b>Corrosive hazard:</b>	Not corrosive.
<b>Flashpoint (°C):</b>	Not flammable.
<b>Flammability Limits (%):</b>	Not applicable.
<b>Poisons Schedule:</b>	This product is a Schedule 5 (S5) poison.
<b>Formulation type:</b>	Suspension Concentrate for seed treatment.

## 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:** Low acute oral toxicity. Calculated LD<sub>50</sub> > 4000 mg/kg. Ingestion in relatively large amounts can result in headache, nausea, lethargy, motor weakness and incoordination.

**Skin:** Prolonged contact with the concentrate may cause irritation. Prolonged or repeated exposure may cause skin sensitization. LD<sub>50</sub> > 4000 mg/kg.

**Eye:** The concentrate may cause irritation of the eyes.

**Inhalation:** Not a likely route of exposure when handling the concentrate. May cause irritation to the respiratory tract.

### Long Term Exposure:

The active ingredients have been extensively tested on laboratory mammals and in test tube systems. No evidence of mutagenic, carcinogenic, teratogenic or reproductive effects was obtained.

## SECTION 12

## ECOLOGICAL INFORMATION

### Environmental Toxicology:

Species	Tebuconazole	Triflumuron
Rainbow trout	LC <sub>50</sub> (96 hr) = 6.4 mg/L	LC <sub>50</sub> (96hr) > 320 mg/L
<i>Daphnia magna</i>	LC <sub>50</sub> (48 hr) = 4.2 mg/L	LC <sub>50</sub> (48 hr) 0.0016 mg/L
Bobwhite quail	LD <sub>50</sub> = 1988 mg/kg	LD <sub>50</sub> = 561 mg/kg
Aquatic plants	EC <sub>50</sub> (72 hr) = 4.01 mg/L	EC <sub>50</sub> (96 hr) > 25 mg/L

## **SECTION 12**    **ECOLOGICAL INFORMATION (Continued)**

**Environmental Fate:** Tebuconazole degrades in soil and does not accumulate in soil. Tebuconazole has low mobility in soil. Both tebuconazole and triflumuron have a low potential to bioaccumulate. Triflumuron degrades in the field with a half-life of  $DT_{50} = 1.2 - 14.6$  days. Half-life in water  $DT_{50} = 2.6$  days and in water sediment half-life  $DT_{50} = 6.4$  days

## **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.

Apparent Kingpin Flowable Fungicide/Fungicide Seed Dressing 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 Cypermethrin). 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. 81149.

This product is not 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).

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: 6 September 2017. Valid for 5 years till 6 September 2022 (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.

**SECTION 16 OTHER INFORMATION (Continued)**

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. "Search Hazardous Substances". Safe Work Australia website. (2017).
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