



# Safety Data Sheet

according to WHS Regulations

Printing date 06.10.2021

Revision: 06.10.2021

## 1 Identification

**Product Name: Apparent Axle Flowable Seed Dressing****Other Means of Identification:** Mixture**Other Name:** Tebuconazole + Cypermethrin Seed Dressing**APVMA Number:** 91380**Recommended Use of the Chemical and Restriction on Use:**

Agricultural seed dressing fungicide for wheat, barley and oats

**Details of Manufacturer or Importer:**

AIRR Apparent Pty Ltd

15/16 Princes Street

Newport, NSW, 2106

**Phone Number:** 03 5820 8400**Emergency telephone number:** 0437 303 689**Email:** enquiries@apparentag.com.au

## 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 classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)



Environment

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

Aquatic Acute 2 H401 Toxic to aquatic life.

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

H401 Toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

**Precautionary Statements**

P273 Avoid release to the environment.

P391 Collect spillage.

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	≤2.5%
	☠ Toxic To Reproduction 2, H361; ☠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ☠ Acute Toxicity (Oral) 4, H302	
CAS: 52315-07-8	Cypermethrin	≤0.5%
	☠ Aquatic Chronic 1, H410; ☠ Acute Toxicity (Oral) 4, H302; Skin Corrosion/Irritation 2, H315; Skin Sensitisation 1, H317; STOT SE 3, H335	

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### 4 First Aid Measures

**Inhalation:** If inhaled, remove to fresh air. 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, rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Seek medical attention.

**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.

**Symptoms Caused by Exposure:**

Inhalation: No adverse health effects expected.

Skin Contact: May cause skin irritation.

Eye Contact: May cause eye irritation.

Ingestion: May cause gastrointestinal irritation, nausea, diarrhoea and vomiting.

### 5 Fire Fighting Measures

**Suitable Extinguishing Media:**

Use fire extinguishing methods suitable to surrounding conditions. Recommended extinguishing media: carbon dioxide, foam or dry agent. If not available, use waterfog or fine water spray but ensure all runoff is contained.

**Specific Hazards Arising from the Chemical:**

Hazardous combustion products include toxic fumes.

Product is not flammable.

Containers close to fire should be removed only if safe to do so. Use water spray to cool fire exposed containers.

Prevent run-off from fire fighting entering drains or water courses.

HAZCHEM Code: •3Z

**Special Protective Equipment and Precautions for Fire Fighters:**

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

### 6 Accidental Release Measures

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

Wear approved respiratory protection, chemical resistant gloves, protective clothing and safety boots.

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.

Collect the spilled material and place into a suitable container for disposal. Decontaminate spill area with water and detergent.

### 7 Handling and Storage

**Precautions for Safe Handling:**

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

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

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proximity to points of potential exposure.

**Conditions for Safe Storage:**

Store in a cool, dry and well ventilated area. Keep container tightly closed when not in use. Protect from direct sunlight, heat, open flames and other sources of ignition. Keep away from strong oxidising agents. Do NOT allow seed treated with this product to contaminate grain intended for human or animal consumption.

### 8 Exposure Controls and Personal Protection

**Exposure Standards:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

**Engineering Controls:** Ensure adequate ventilation of the working area.

**Respiratory Protection:** Respiratory protection is not required under normal use conditions.

**Skin Protection:**

Chemically impervious 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, including cotton overalls and hat (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.

**Eye and Face Protection:**

Safety glasses with top and side shields or chemical goggles. See Australian Standards AS/NZS 1336 and 1337 for more information.

### 9 Physical and Chemical Properties

**Appearance:**

<b>Form:</b>	Liquid
<b>Colour:</b>	Red
<b>Odour:</b>	No information available
<b>pH-Value:</b>	5.0 - 6.5
<b>Melting point/freezing point:</b>	No information available
<b>Initial Boiling Point/Boiling Range:</b>	No information available
<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:</b>	No information available
<b>Relative Density:</b>	1.037
<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:** No dangerous reactions known under conditions of normal use.

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**Chemical Stability:** Stable at ambient temperature and under normal conditions of storage and use.**Conditions to Avoid:** Direct sunlight, heat, open flames and other sources of ignition.**Incompatible Materials:** Strong oxidising agents.**Hazardous Decomposition Products:** Toxic fumes.

### 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)

**CAS: 52315-07-8 Cypermethrin**

Oral	LD50	82-779 mg/kg (mice) 150-500 mg/kg (rat)
Dermal	LD50	1,600 mg/kg (rat) >2,000 mg/kg (rabbit)
Inhalation	LC50/4 h	>0.2 mg/l (rat)

**Acute Health Effects****Inhalation:** No adverse health effects expected.**Skin:** May cause skin irritation.**Eye:** May cause eye irritation.**Ingestion:** May cause gastrointestinal irritation, nausea, diarrhoea and vomiting.**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:** Based on classification principles, the classification criteria are not met.**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 data associated with long term health effects.**Existing Conditions Aggravated by Exposure:** No data available.**Additional toxicological information:**

The Australian Acceptable Daily Intake (ADI) for tebuconazole 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

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Veterinary Chemicals', 2021).

The Australian Acceptable Daily Intake (ADI) for cypermethrin for a human is 0.05 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOAEL of 4.7 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', 2021).

### 12 Ecological Information

**Ecotoxicity:****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) 6.4 mg/l (rainbow trout)
LC50/48 h	4.2 mg/l (daphnia)
<b>CAS: 52315-07-8 Cypermethrin</b>	
LC50/96 h	0.0018 mg/l (bluegill) 0.0002 mg/l (daphnia) 0.0082 mg/l (rainbow trout)

**Persistence and Degradability:** Easily biodegradable**Bioaccumulative Potential:** Bioaccumulation is not expected to occur.**Mobility in Soil:** Low mobility expected.**Other adverse effects:** No further relevant information available.

### 13 Disposal Considerations

**Disposal Methods and Containers:**

Must not be disposed together with household garbage. Do not allow product to reach sewage system. 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, IMDG, IATA**

UN3082

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

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

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

9 Miscellaneous dangerous substances and articles.

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**Subsidiary Risk:****Packing Group:**

ADG, IMDG, IATA

III

**Marine pollutant:**

Symbol (fish and tree)

**EMS Number:**

F-A,S-F

**Hazchem Code:**

•3Z

**Special Provisions:**

274, 331, 335, 375, AU01

**Transport/Additional information:**

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)

**Limited Quantities:**

5L

**Packagings & IBCs - Packing Instruction:**

P001, IBC03, LP01

**Packagings & IBCs - Special Packing Provisions:**

PP1

**Portable Tanks & Bulk Containers - Instructions:**

T4

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

TP1, TP29

## 15 Regulatory Information

**Australian Inventory of Industrial Chemicals:**

All components are on the inventory, or in compliance with the inventory.

**Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Poison Schedule:**

Poisons Schedule: 5

**Australian Pesticides and Veterinary Medicines Authority:**

This product is registered with the Australian Pesticides and Veterinary Medicines Authority. APVMA number 91380.

## 16 Other Information

**Date of Preparation or Last Revision:** 06.10.2021**Prepared by:** MSDS.COM.AU Pty Ltd

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 – Category 4

Skin Corrosion/Irritation 2: Skin corrosion/irritation – Category 2

Skin Sensitisation 1: Skin sensitisation, Hazard Category 1

Toxic To Reproduction 2: Reproductive toxicity – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

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

Aquatic Acute 2: Hazardous to the aquatic environment, short-term (Acute). Category 2

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

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**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 - July 2020"

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