

SAFETY DATA SHEET

SECTION 1

IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: **Apparent Iprodione 500 Fungicide**

Other Names: Iprodione. A dicarboximide derivative. Group 2 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 1321
Email: enquiry@apparentag.cmo.au
Emergency Contact: 0411 227 338

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*.**

* 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:

Carcinogenicity - Hazard Category 2.

Hazardous to the aquatic environment – long term (Chronic Hazard) – Hazard Category 1.

Signal Word: WARNING.

Hazard statements:

- H351 Suspected of causing cancer.
- H410 Very 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.
- P281 Use personal protective equipment as required.

Response:

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

Storage and 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
Iprodione	36734-19-7	500 g/L
Other ingredients (including water) 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: 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 reuse.

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

Advice to Doctor: No specific antidote. Treatment should be symptomatic and supportive. For large ingestions, gastric lavage and administration of activated charcoal and sodium sulfate should be considered. Monitor kidney and respiratory functions.

SECTION 5**FIRE FIGHTING MEASURES**

Specific Hazard: Not flammable. There is little risk of an explosion from this product if commercial quantities are involved in a fire.

Extinguishing media: Not combustible, use extinguishing media suited to burning material. If waterfog or fine water spray is used, ensure all runoff is contained. Contain all runoff.

Hazards from combustion products: Product is likely to decompose after heating to dryness and continued strong heating and will emit toxic 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**

Emergency procedures: Wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), elbow-length PVC gloves and face shield. 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. If a significant quantity of material enters drains, advise emergency services. 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.

SECTION 7**HANDLING AND STORAGE**

Precautions for Safe Handling: May irritate the eyes. Avoid contact with eyes and skin. When opening the container and using the product wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), elbow-length PVC gloves and face shield. If product on skin, immediately wash area with soap and water. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash gloves, face shield 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.

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:

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

Personal Protective Equipment (PPE):

General: When opening the container and using the product wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), elbow-length PVC gloves and face shield. If product on skin, immediately wash area with soap and water. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash gloves, face shield 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.

SECTION 9**PHYSICAL AND CHEMICAL PROPERTIES**

Appearance:	White to off-white coloured viscous suspension.
Odour:	Weak characteristic odour.
Boiling point:	No data.
Freezing point:	No data.
Specific Gravity:	No data.
Solubility in Water:	Emulsifies in water.
pH:	4 – 6.
Flammability:	Not flammable.
Corrosive hazard:	Not corrosive.
Flashpoint (°C):	Not flammable.
Poisons Schedule:	This product is not a scheduled poison.
Formulation Type:	Suspension Concentrate.

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: 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: Low acute oral toxicity. LD₅₀ (rat) > 2000 mg/kg.

Eye: This product may cause slight eye irritation. Symptoms may include stinging and reddening of eyes and watering.

Skin: Low acute dermal toxicity. LD₅₀ (rat) > 2000 mg/kg. Not irritating to the skin and is not a sensitiser.

Inhaled: Unlikely to cause inhalation toxicity. May irritate mucous membranes of the nose and mouth.

Long Term Exposure:

Chronic toxicity: Lifetime feeding studies in rodents have shown an increased incidence of tumours in animals treated at the maximum tolerated dose. Iprodione has been classified as a Category 2 carcinogen by Safe Work Australia. (Note: Classified as a Category 2 carcinogen under GHS. This means that the substance is not classifiable as to carcinogenicity to humans. Iprodione was not mutagenic in the Ames assay.)

SECTION 12**ECOLOGICAL INFORMATION**

Environmental Toxicology: The active ingredient, iprodione, is toxic to fish and aquatic arthropods. *Fish:* Rainbow trout (96 hr) LC₅₀ = 4.1 mg/L; Bluegill sunfish (96 hr) EC₅₀ = 3.7 mg/L. *Daphnia Magna* EC₅₀ = 0.25 mg/L. *Algae:* *Selenastrum capricornutum* (48 hr) EC₅₀ 15.3 mg/L. *Birds:* Mallard duck LD₅₀ > 10000 mg/kg; Bobwhite quail LD₅₀ > 2,000 mg/kg.

Environmental Fate: Iprodione is rapidly metabolised in soil with formation of carbon dioxide. DT₅₀ (lab.) 20 - 80 days; (field) 919 days. Koc 202 - 543. Rate of degradation increases with successive treatments, and hence accumulation does not occur.

This product is toxic to aquatic organisms, and may cause long-term adverse effects in the aquatic environment. It has a low hazard to birds, earthworms, bees and other beneficial insects. Do not contaminate streams, rivers or waterways with this product or the used containers.

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. Vacuum, shovel or pump waste into an approved drum. To decontaminate spill area, tools and equipment, wash with a suitable solution (ie organic solvent, detergent, bleach or caustic) and add the solution to the drums of wastes already collected. 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-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 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 13**DISPOSAL CONSIDERATIONS**

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**

Road & Rail Transport: This product is exempt from classification as a Dangerous Good in packs less than 500 kg (L); or in IBC's 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. (See special provision AU01).

Marine and Air Transport: Apparent Iprodione 500 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 50% Iprodione). Hazchem code •3Z. Hazard Identification Number (HIN) 90. Emergency Guide 47 (Australian Standards).

SECTION 15**REGULATORY INFORMATION**

Under the Standard for Uniform Scheduling of Medicines and Poisons (SUSMP), this product is not a Scheduled poison.

This product is registered under the Agricultural and Veterinary Chemicals Code Act 1994. Product Registration No. 69201.

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

This product is not classified as a Dangerous Good according to the ADG Code for packs less than 500 litres (SP AU01) (7th 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: 6 May 2019. Valid for 5 years till 6 May 2024. (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.

Bradycardia: Is a resting heart rate of under 60 beats per minute (adults).

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

Clonic: An abnormality in neuromuscular activity characterized by rapidly alternating muscular contraction and relaxation.

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

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

LD₅₀: 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.

Oedema: Accumulation of fluid in tissues.

PPE: Personal protective equipment.

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

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

SECTION 16 OTHER INFORMATION (Continued)

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. (2019).
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