

SAFETY DATA SHEET

SECTION 1

IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: **Apparent Deathcap 250 Fungicide**

Other Names: Iprodione. Dicarboximide. Group 2 Fungicide.
Use: Fungicide for agricultural use.
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
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**

GHS classification of the substance/mixture

Carcinogenicity – Hazard Category 2.
Hazardous to the Aquatic Environment – Long Term 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.
P273 Avoid release to the environment.
P281 Use personal protective equipment as required.

Response:

P308 + P313 IF exposed or concerned: Get medical advice/ attention:
P391 Collect Spillage.

Storage:

Disposal:

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 | 250 g/L |
| Hydrocarbon Liquid | 64742-56-9 | 332 g/L |
| Other ingredients determined not to be hazardous | | Balance |

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

Ingestion: If swallowed do NOT induce vomiting. Wash mouth with water. If poisoning occurs, contact a Doctor or Poisons Information Centre. Phone 131 126.

Eye contact: Hold eyes open and flood gently with clean water. 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 to remove chemical. If skin is irritated, seek medical advice. Launder clothing before re-use.

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

Advice to Doctor: *Systemic:* As this product contains a hydrocarbon liquid, care should be taken to prevent pulmonary aspiration. Small amounts of liquid aspirated into the respiratory system during ingestion or from vomiting may cause bronchopneumonia or pulmonary oedema. Due to the low oral toxicity, and the risk of aspiration into the lung, gastric lavage is not recommended. In case of ingestion of large amounts, it may be considered after adequate airway protection (intubation with block), as the risk of spontaneous vomiting with aspiration might be higher. Activated charcoal and cathartics (magnesium or sodium) should be given. Treatment should be supportive and symptomatic. Monitor kidney, liver and pancreas function

SECTION 5**FIRE FIGHTING MEASURES**

Specific Hazard: Generally considered a low risk due to the water content.

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. Contain all runoff.

Hazards from combustion products: There is low risk of an explosion from this product under normal circumstances if involved in a fire. Product is unlikely to decompose until heated to dryness followed by further strong heating. 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 suitable protective clothing, gloves and goggles to prevent skin/eye contamination. In the case of spillage, contain and absorb spilled material with absorbent material such as sand, clay, cat litter or material such as vermiculite 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.

Material and methods for containment and cleanup procedures:

To decontaminate spill area, tools and equipment, wash with detergent and water and add the solution to the drums of wastes already collected and label contents. Dispose of drummed wastes, including decontamination solution in accordance with the requirements of Local or State Waste Management Authorities.

SECTION 7**HANDLING AND STORAGE**

Precautions for Safe Handling: Avoid contact with eyes and skin and avoid inhalation of vapour. Wear suitable protective clothing, gloves and goggles. 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.

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 Guidelines:**

No exposure limits have been assigned by Safe Work Australia to the ingredients in this product.

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: Wear suitable protective clothing, gloves and goggles. 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.

Personal Hygiene: Avoid contact with eyes and skin and avoid inhalation of vapour. 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**

| | |
|---------------------------------|---|
| Appearance: | White, viscous liquid. |
| Odour: | Negligible odour. |
| Boiling point: | Greater than 100°C. |
| Freezing point: | No data available. |
| Specific Gravity: | 1.0 approx at 20°C. |
| Solubility in Water: | Soluble in water. |
| pH: | No data available. |
| 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. Stable under normal conditions of use, but may be unstable in conditions where the pH is 7 or higher.

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

Incompatible materials: Strong acids, strong bases and strong oxidising agents.

Hazardous decomposition products: Product is unlikely to decompose until heated to dryness. On further heating may emit toxic fumes. Hydrogen chloride and oxides of carbon and nitrogen may be given off when exposed to extreme heat or fire.

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**

Swallowed: Low acute oral toxicity. Acute oral LD₅₀ > 2000 mg/kg.

Eye: May be a slight eye irritant.

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

Inhaled: Low inhalation toxicity. Acute inhalation LC₅₀ > 2.88 mg/L/4 hrs.

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 by Safe Work Australia as a Category 3 carcinogen, possibly carcinogenic to humans. Iprodione was not mutagenic in the Ames assay. No evidence of reproductive, teratogenic or mutagenic effects.

SECTION 12**ECOLOGICAL INFORMATION**

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 Apparent Deathcap 250 Fungicide or the used containers.

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* (48 hr) EC₅₀ = 0.25 mg/L. *Algae:* *Selenastrum capricornutum* (120 hr) EC₅₀ 15.3 mg/L. *Birds:* mallard duck LD₅₀ > 10,000 mg/kg; Bobwhite quail LD₅₀ > 2,000 mg/kg. Toxicity of this product: *Fish:* Rainbow trout (96 hr) LC₅₀ = 24 mg/L. *Daphnia Magna* (48 hr) EC₅₀ = 0.48 mg/L. *Algae:* *Selenastrum subspicatus* (72 hr) EC₅₀ 12.8 mg/L.

Environmental Properties: 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.

SECTION 13**DISPOSAL CONSIDERATIONS**

Spills and Disposal: Persons involved in cleanup require adequate skin protection - see Section 8. Keep material out of streams and sewers. Vacuum, shovel or pump waste into an approved drum. 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.

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 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 less than 3,000 kg or litres 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 Deathcap 250 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 Iprodione). Hazchem code ●3Z. Hazard Identification Number (HIN) 90. Australian Standards Initial Emergency Response Guide No. 47.

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. 80527

This product is classified as a Hazardous Substance under the criteria of Safe Work Australia. Xi: irritant, Xn: harmful.

This product is not classified as a Dangerous Good according to the ADG Code for packs less than 3000 litres (SP AU01) (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: 16 February 2016. (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.

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. (2016).
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.