



AGRO-ALLIANCE (AUSTRALIA) PTY LTD

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(AUSTRALIA) PTY LTD
A.B.N.11 130 864 603

2, Mavron Street, Ashwood ,VIC 3147, Australia
Tel: +61 3 86442677 / 86442679 Fax: +61 3 98073883 Email: info@agroalliance.com.au

Section 1 - Identification of Chemical Product and Company

IPRODIONE 250 , Fungicides

Trade Name: Agro-Essence Iprodione 250 Fungicide

Product Use: Agricultural Fungicide

Company: Agro-Alliance (Australia) Pty Ltd.

Address: 2, Mavron Street, Ashwood VIC 3147, Australia

Telephone Number: +61 03 86442677 / 86442679

Fax Number: +61 03 98073883

Website: www.agroalliance.com.au

Section 2 - Hazards Identification

HAZARDOUS SUBSTANCE. NON DANGEROUS GOODS.

Classified as hazardous according to the criteria of Safe Work Australia.

Hazards Xn – Harmful N - Dangerous for the Environment

Risk Phrases R40 - Limited evidence of a carcinogenic effect.

R50/53 - Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

Safety Phrases S2 - Keep out of reach of children.

S36/37 - Wear suitable protective clothing and gloves.

S60 - This material and its container must be disposed of as hazardous waste.

S61 - Avoid release to the environment. Refer to special instructions/Material Safety Data Sheets.

Section 3 - Composition/Information on Ingredients

Ingredients:

CHEMICAL	CAS NUMBER	PROPORTION
Iprodione	36734-19-7	250g/L
Hydrocarbon liquid	64742-56-9	332g/L
Ingredients deemed not to be hazardous		Balance



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Section 4 - First Aid Measures

Inhalation If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if symptoms persist.

Ingestion If swallowed, do not induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention if symptoms persist.

Skin If skin or hair contact occurs, immediately remove contaminated clothing and wash skin and hair thoroughly. Seek medical attention if symptoms persist.

Eyes If in eyes, hold eyelids apart and flush the eye continuously with large amounts of water for at least 15 minutes. Seek medical attention if symptoms persist.

Note to Doctor 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

Section 5 - Fire Fighting Measures

For major fires call the Fire Brigade. Ensure that an escape path is available from any fire.

Suitable Extinguishing Media

Water spray, carbon dioxide, foam and dry chemical

Hazardous Combustion Products

Oxides of carbon and nitrogen and hydrogen chloride.

Firefighting Equipment

Wear Safe Work Australia approved self-contained breathing apparatus and full protective clothing.

Unusual Fire or Explosion Hazards

Non flammable. In case of fire spray unopened containers with water to keep cool.

Hazchem Code Not allocated.

Section 6 - Accidental Release Measures

Spills In the event of a major spill, prevent spillage from entering drains or water courses. Wear full protective clothing including eye/face protection.



Stop leak if safe to do so and contain spill. Absorb onto sand, vermiculite or other suitable absorbent material. If spill is too large or if absorbent material is not available, try to create a dike to stop material spreading or going into drains or waterways. Collect into labelled containers for recycling or salvage and dispose of promptly. .

Section 7 - Handling and Storage

Handling Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Provide adequate ventilation.

Storage Store in the closed, original container in a dry, well ventilated area, as cool as possible. Do not store for prolonged periods in direct sunlight. Keep container tightly sealed and do not store with seed, animal food or foodstuffs..

Section 8 - Exposure Controls and Personal Protection

Exposure Standards (Safe Work Australia)

No exposure standards set.

Engineering Controls This product should only be used in a well ventilated area. If natural ventilation is inadequate, use of a fan is suggested.

Respiratory Protection Respiratory protection not necessary. Avoid working in and breathing spray mist.If in doubt use a Safe Work Australia approved full face supplied air respirator if high airborne concentrations of the material are present. See Australian Standards AS/NZS 1715 and 1716 for more information.

Eye Protection Protective glasses or goggles and face shield.

Skin Protection Impervious elbow-length gloves, cotton overalls and washable hat.

Hygienic Practices 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 proximity to points of potential exposure.



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Section 9 - Physical and Chemical Properties:

Appearance White viscous suspension
Odour Weak characteristic odour
Solubility in Water Forms suspension in water
Boiling Point <100°C
Freezing Point No information available.
Vapour Pressure No information available.
Vapour Density (Air = 1) 1.018g/mL @ 20°C
Specific Gravity (H₂O=1) No information available.
pH 2 - 4
Flash Point Not flammable
Auto-ignition Temperature 430°C
Partition coefficient (octanol/water) Iprodione: Log Pow = 3.0 (pH 3 and 5)

Section 10 - Stability and Reactivity

Chemical Stability Stable under normal conditions of use. May be unstable in conditions where the pH is 7 or higher.
Incompatible Materials Strong acids, strong bases and strong oxidizing agents.
Hazardous Decomposition Products
Oxides of carbon and nitrogen and hydrogen chloride.
Hazardous Polymerization Will not occur.
Conditions to Avoid Excessive heat

Section 11 - Toxicological Information

Toxicity Iprodione:

Oral LD50 (rat) = 3500 mg/kg .
Oral LD50 (mouse) = 4000 mg/kg
Oral LD50 (rabbit) > 4000 mg/kg
Dermal LD50 (rat) ≥ 2500 mg/kg
Dermal LD50 (rabbit) = 1000 mg/kg
Inhalation LC50 (rat) > 3.3mg/L - 4 hour

Reproductive Effects: No evidence of reproductive effects.



Teratogenic Effects: No evidence of teratogenic effects.

Mutagenic Effects: No information available..

Carcinogenic Effects: Limited evidence indicates that high level exposures to iprodione cause cancer.

Organ Toxicity: Target organs identified in animal studies include the reproductive system (prostate gland and uterus), liver, and kidneys.

Routes of Exposure Inhalation, ingestion, eye and skin

Acute Health Effects

Inhalation: May irritate mucous membranes of nose and mouth

Ingestion: May be harmful if a large amount is swallowed. Symptoms include nausea, vomiting, diarrhoea, abdominal pain, and loss of co-ordination. Small amounts of liquid aspirated into the respiratory system during ingestion or from vomiting may cause bronchopneumonia or pulmonary oedema.

Eye: Can cause slight eye irritation.

Skin: Can cause mild skin irritation.

Chronic Health Effects No information available.

Existing Conditions No information available.

Aggravated by Exposure Carcinogenicity Iprodione is classified by Safe Work Australia as a Class 3 carcinogen, possibly carcinogenic to humans.

Section 12 - Ecological Information

Ecotoxicity

Aquatic Organisms: Iprodione is moderately toxic to fish species.

LC50 (Rainbow trout) = 6.7 mg/L

LC50 (Sunfish) = 2.25 mg/L

Birds:

LD50 (Bobwhite quail) = 930 mg/kg

Iprodione is nontoxic to bees.

Mobility This product is biodegradable. It will not accumulate in the soil or water or cause long term problems..

Section 13 - Disposal Considerations

Spills and Disposal: Persons involved in cleanup require adequate skin protection - see



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section 8. In case of spillage, contain and absorb spilled material with absorbent material such as clay, sand or cat litter and dispose of waste as indicated below or in accordance to the Australian Standard 2507-Storage and Handling of Pesticides. Keep out animals and unprotected persons. 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.

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 deliver empty packaging for appropriate disposal 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 and product..

For refillable containers: Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.

Section 14 - Transport Information

ADG Code: This product is not classified as a Dangerous Good. No special transport conditions are necessary unless required by other regulations.

Section 15 - Regulatory Information

Iprodione and hydrocarbon liquid are listed in the Australian Inventory of Chemical Substances (AICS).

Section 16 - Other Information

This MSDS contains only safety-related information. For other data see product literature.



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THIS MSDS 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 MUST REVIEW THIS MSDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS

OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product.

This MSDS is prepared in accord with the ASCC document "National Code of Practice for the Preparation of Material Safety Data Sheets" 2nd Edition [NOHSC:2001(2003)]