

SECTION 1 - IDENTIFICATION OF CHEMICAL PRODUCT AND COMPANY

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Substance: Iprodione
Trade Name: **EuroChem Iprodex 250 Fungicide**
Product Use: Fungicide for use as described on the product label
Creation Date: **September, 2021**
Revision Date: **September, 2021** and is valid for 5 years

Section 2 - Hazards Identification

Hazard Classification: Classified as hazardous according to criteria of Safe Work Australia.
 Not classified as a Dangerous Good according to the ADG Code.



GHS Signal Word: **WARNING**

Hazard statements:

H351: Suspected of causing cancer
 H410: Very toxic to aquatic life with long lasting effects.

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.

Storage:

P391: Collect spillage.

Disposal:

P405: Store locked up.

P501: Dispose of contents and containers as specified on the registered label.

SUSMP Classification: S5

ADG Classification: N/A

UN Number: N/A

Emergency Overview

Physical Description & colour: Viscous white liquid.

Odour: Negligible odour.

Major Health Hazards: May irritate the eyes and skin. Avoid contact with eyes and skin. Avoid inhaling vapour.

Section 3 - Composition/Information on Ingredients

Ingredients	CAS No	Conc,%	TWA (mg/m ³)	STEL (mg/m ³)
Iprodione	36734-19-7	250g/l	not set	not set
Liquid hydrocarbon	64742-56-9	332g/l	not set	not set
Other ingredients	Secret	To 1000	Not set	Not set

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non hazardous ingredients are also possible.

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The TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that should not be exceeded for more than 15 minutes and should not be repeated for more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

Section 4 - First Aid Measures

General advice:

If poisoning occurs, contact a doctor or Poisons Information Centre, Phone Australia 131 126.

If inhaled:

Remove to fresh air until recovered. If symptoms persist, seek medical advice

On skin contact:

Remove contaminated clothing and launder before use. Wash affected areas or skin thoroughly with soap and water. Seek medical advice if irritation develops.

On contact with eyes:

Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open. Seek immediate medical attention.

On ingestion:

If product is swallowed or gets in mouth, do NOT induce vomiting; wash mouth with water. If symptoms develop, or if in doubt contact a Poisons Information Centre or a doctor.

Note to physician:

Treat symptomatically.

Section 5 - Fire Fighting Measures

Fire/Explosion Hazard

The major hazard in fires is usually inhalation of heated toxic or oxygen deficient (or both), fire gases. There is little risk of an explosion from this product if commercial quantities are involved in fire.

Dangerous decomposition or Combustion Products

Thermal decomposition

Carbon dioxides, and if combustion is incomplete, carbon monoxide and smoke. Nitrogen and its compound and under some circumstances, oxides of nitrogen. Occasionally, hydrogen cyanide gas in reducing atmospheres. Hydrogen chloride gas and other compounds of chlorine. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgement and unconsciousness followed by coma and death. Take suitable protective measures.

Extinguishing Media

Extinguish fire with foam, dry powder or water spray/fog.

Fire Fighting

If a significant quantity of this product is involved in a fire, call the fire brigade. There is little danger of a violent reaction or explosion if significant quantities of this product are involved in a fire. Fire-fighter should wear appropriate protective equipment with self-contained breathing apparatus

Section 6 - Accidental Release Measures

Spills and Disposal

Contain spill and absorb with clay, sand, soil or proprietary absorbent (such as vermiculite). Collect spilled material and waste in sealable open-top type containers for disposal. Do not allow to enter drains, sewers and watercourses. Triple rinse containers, add rinsings to spray tanks and send containers for recycling or if not recycling, break, crush or puncture and bury empty containers in a local authority landfill or in accordance with local, state or federal regulation. Do not dispose of undiluted chemicals on site.

Personal Protection

For appropriate personal protective equipment (PPE), refer Section 8.

Section 7 - Handling and Storage

Handling

When handling this product, do not eat, drink or smoke.

When preparing the spray and using the prepared spray wear cotton overalls buttoned to the neck and wrist and washable hat, elbow-length PVC gloves and goggles. If product in eyes, wash it out immediately with 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, goggles and contaminated clothing.

Storage

Store in the closed, original container in a cool, well-ventilated locked area away from children, animals, food, feedstuffs, seed and fertilisers. Do not store for prolonged periods in direct sunlight.

Section 8 - Exposure Controls and Personal Protection

National Exposure Standards:

No exposure standards have been set for this product. ADI) for Iprodione is set at 0.04 mg/kg/day with corresponding NOEL is set at 4 mg/kg/day.

**ADI= Acceptable Daily Intake; NOEL: No Observable Effect Level. Data adopted from Australia ADI List, March 2016.*

Engineering Controls

Handle in well ventilated areas, generally natural ventilation is adequate. Use of a fan is recommended.

Personal Protective Equipment

When preparing the spray and using the prepared spray wear cotton overalls buttoned to the neck and wrist and washable hat and elbow-length PVC gloves

Eye Protection

Eye protection is essential. Wear a face shield or goggles.

Hygiene Measures

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, goggles and contaminated clothing.

Section 9 - Physical and Chemical Properties:

Form	Viscous Liquid
Colour	White
Odour	Negligible odour
pH value	2 – 4
Boiling point	Not available
Flash point	Not available
Specific Gravity	1.02 +- 0.01
Solubility	Dispersible

Section 10 - Stability and Reactivity

Reactivity

Stable under normal conditions. However, if you have any doubts, contact supplier for advice on shelf life properties.

Conditions to Avoid

Store in the closed, original container in a cool, well-ventilated locked area away from children, animals, food, feedstuffs, seed and fertilisers. Do not store for prolonged periods in direct sunlight.

Incompatibilities

Strong acids, strong bases and strong oxidizing agents.

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Fire Decomposition

Carbon dioxides, and if combustion is incomplete, carbon monoxide and smoke. Nitrogen and its compound and under some circumstances, oxides of nitrogen. Occasionally, hydrogen cyanide gas in reducing atmospheres. Hydrogen chloride gas and other compounds of chlorine. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgement and unconsciousness followed by coma and death.

Polymerisation

This product will not undergo polymerisation reactions.

Section 11 – Toxicological Information

Toxicity data (of technical)

Acute Toxicity – Oral

LD₅₀ (rat): >2000 mg/kg.

Acute Toxicity - Dermal

LD₅₀ (rat): >2000 mg/kg.

Acute Toxicity – Inhalation:

LC₅₀ (rats) (4hr): 5.16 mg/L air.

Skin irritation: NON IRRITANT **Eye irritation:** NON IRRITANT **Sensitization:** NON SENSITISER

Potential Health Effects

Health Effects

Product may irritate the eyes and skin. Avoid contact with eyes and skin. Avoid inhaling vapour.

Acute:

- Inhalation:** Available data indicates this product is not harmful. However product may be mildly irritating although unlikely to cause anything more than mild transient discomfort.
- Skin contact:** Available data indicates this product is not harmful. It should present no hazards in normal use and unlikely to cause any discomfort.
- Eye contact:** Product maybe mild eye irritant but unlikely to cause anything more than mild discomfort which should disappear once product is removed.
- Ingestion:** Amounts swallowed to normal handling procedures and use is not expected to cause injury. However this product maybe irritating to mucous membrane yet unlikely to cause anything more than mild transient discomfort.

Mutagenicity

No data available.

Carcinogenicity

SWA classify it as Class 3 carcinogen, possibly carcinogenic to humans. 2-year feeding experiment with rats showed no increases in tumor formation or tumor precursors (neoplastic foci) at dietary doses of about 2.5 mg/kg/day. An 18-months study in mice showed cancer related effects at doses up to 22 mg/kg/day. Therefore, current evidence on carcinogenicity of iprodione is inconclusive.

Other Information

The Australian Acceptable Daily Intake (ADI) for Iprodione is set at 0.04 mg/kg/day with corresponding NOEL is set at 4 mg/kg/day.

*ADI= Acceptable Daily Intake; NOEL: No Observable Effect Level. Data adopted from Australia ADI List,

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Section 12 – Ecological Information

Very toxic to aquatic life with long lasting effects

Ecotoxicity data (of technical)

Acute Toxicity – Bird

LD₅₀ bobwhite quail : >2000 mg/kg

Acute Toxicity – Fish

LC₅₀ rainbow trout (96 hrs): 4.1 mg/L

Acute Toxicity – Crustaceans

Daphnia LC₅₀ (48 hrs): 0.25 mg/L

Acute Toxicity – Other organisms

Algae: E_bC₅₀ *Selenastrum capricornutum* (120 hrs): 1.9 mg/L Worms: LC₅₀:

>1000 mg/kg soil

Bees: LD₅₀ (contact): >0.4 mg/bee

ENVIRONMENTAL FATE

Rapidly metabolised in soil, with formation of CO₂. Representative half-life in most soils is estimated to be 14 days. Rate of degradation increases with successive treatments, hence accumulation does not occur. The compound is readily degraded by UV light.

Section 13 - Disposal Considerations

Disposal: Instructions concerning the disposal of this product and its containers are given on the product label. These should be carefully followed.

Section 14 - Transport Information

Transport	Considered non dangerous for road and rail transport (in packaging) by the Australian Code for the Transport of Dangerous Goods by Road and Rail. Ref: ADG7; SP No. AU01.
UN Number (Sea Transport):	3082
IMO Class/Packing Group:	Class 9; Packing Group III
IMO Marine Pollutant:	Marine Pollutant
IMO Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains Iprodione)

Section 15 - Regulatory Information

SUSMP Classification	S5
Packaging & Labelling	CAUTION KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING

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Section 16 - Other Information

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

Acronyms:

ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail
AICS	Australian Inventory of Chemical Substances
CAS Number	Chemical Abstracts Service Registry Number
Hazchem Number	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
IARC	International Agency for Research on Cancer
NOHSC	National Occupational Health and Safety Commission
NOS	Not otherwise specified
NTP	National Toxicology Program (USA)
R-Phrase	Risk Phrase
SUSDP	Standard for the Uniform Scheduling of Drugs & Poisons
UN Number	United Nations Number

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 NOHSC document "National Code of Practice for the Preparation of Material Safety Data Sheets" 2nd Edition [NOHSC:2011(2003)]