



COLIN CAMPBELL (CHEMICALS) PTY. LTD.

MATERIAL SAFETY DATA SHEET

Date of Issue: 1 June 2009

1) IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: CAMPBELL IPRAL 250 LIQUID FUNGICIDE
Other Names: None
Chemical Group: Dicarboximide
Recommended Use: Fungicide for use on agricultural crops.
Supplier Details: Colin Campbell (Chemicals) Pty Ltd ABN 29 000 045 590
5 Blackfriar Place
Wetherill Park NSW 2164
Telephone: (02) 9725 2544
Fax: (02) 9604 7768
Email: cccsyd@campbellchemicals.com.au
Website: www.campbellchemicals.com.au
Contact: Product Development Manager – (02) 9725 2544
Emergency Telephone Number: (02) 9725 2544 – 8am to 6pm Monday to Friday.

2) HAZARDS IDENTIFICATION

HAZARDOUS SUBSTANCE - NON DANGEROUS GOOD

Hazardous classification: Hazardous according to the criteria of the National Occupational Health & Safety Commission (NOHSC)

Risk phrases: R40 – Possible risks of irreversible effects
R51/53 – Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases: See sections 4,5,6,7,8,10,12,13

ADG Classification Not a Dangerous good for transport by road or rail according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

SUSDP classification: 5 (Standard for the Uniform Scheduling of Drugs & Poisons)

3) COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS Number	Concentration (g/L)
Iprodione	36734-19-7	250
Liquid hydrocarbon	64742-56-9	332
Other ingredients including wetting agents and water	Non hazardous	300-600

4) FIRST AID MEASURES

If poisoning occurs, immediately contact a doctor or Poison Information Centre (Ph: 13 11 26) and follow the advice given. Show this Material Safety Data Sheet to the doctor.

Inhalation: If inhaled remove to fresh air and keep at rest. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Skin Contact: Carefully remove contaminated clothing. Wash affected areas with soap and water.



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4) FIRST AID MEASURES continued

Eye contact:	Check and remove any contact lenses. Rinse eyes immediately with clean water for at least 15 minutes and seek medical aid.
Ingestion:	Wash mouth out with water. Do NOT induce vomiting. Keep patient at rest and seek medical advice. Loosen tight clothing.
First Aid facilities	Ensure eye wash and safety shower are available.
Medical Attention:	Treat symptoms. Symptoms include irritation of eyes and respiratory tract, nausea, vomiting, abdominal pain and loss of co-ordination. No specific antidote known. <u>NOTE TO DOCTOR</u> : 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.

5) FIRE FIGHTING MEASURES

Extinguishing media	Water spray, foam, dry chemical, carbon dioxide (CO ₂)
Hazard from combustion products	In a fire, formation of toxic compounds of carbon, nitrogen, and hydrogen chloride can be expected.
Precautions for fighting fires	The product is non-flammable. Fire fighters should wear full protective gear, including self-contained breathing apparatus (AS/NZS 1715/1716). Keep unnecessary people away. If it can be done safely remove intact containers from the fire. Bund area with sand or earth to prevent contamination of drains or waterways. Dispose of extinguishing agent and spillage safely later. Do not release contaminated water into the environment.
Hazchem Code	Not applicable.

6) ACCIDENTAL RELEASE MEASURES

Avoid contact with spilled material or contaminated surfaces. Do not smoke, eat or drink during the clean up process. Wear personal protective clothing and equipment as detailed in Section 8 PERSONAL PROTECTION. Keep people and animals away. Contain spill and absorb with earth, sand, clay or other absorbent material. Prevent spilled material from entering drains or watercourses. Collect and store in properly labelled drums for safe disposal. Clean floor with a damp cloth and place it in the drum. Seal drums and label ready for safe disposal. Deal with all spillages immediately. If contamination of drains, streams, watercourses etc is unavoidable warn the local water authority.



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7) HANDLING AND STORAGE

- Handling** Avoid contact with eyes and skin. Do not inhale spray mist. 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. After each day's use wash gloves and contaminated clothing.
- Storage** Keep out of reach of children. Store in the closed original container in a cool well ventilated area. Do not store for prolonged periods in direct sunlight. Store in a locked room away from children, animals, food, animal feed, seed and fertilisers. Protect from frost.
- Flammability** Not flammable.

8) EXPOSURE CONTROL/PERSONAL PROTECTION

- Exposure Standards** No exposure standards have been assigned.
Skin notation – absorption through the skin may be a significant source of exposure.
- Biological Limit Values** None allocated
- Engineering Controls** Control process conditions to avoid contact. Use in a well ventilated area only.
- Personal Protective Equipment**
- | | |
|--------------|---|
| Eyes: | Safety goggles or face shield if exposure is possible |
| Clothing: | Chemical resistant disposable overalls and PVC boots.. |
| Gloves: | Elbow length PVC or nitrile gloves |
| Respiratory: | If inhalation is likely an AS/NZS 1715/1716 approved respirator should be worn. |

9) PHYSICAL AND CHEMICALS PROPERTIES

- | | |
|---|------------------------|
| Appearance: | Viscous white liquid |
| Odour: | Negligible odour |
| Vapour pressure: | Not available |
| Vapour density: | Not available |
| Boiling point: | Lowest known is 100°C. |
| Freezing/Melting point: | Not available |
| pH: | 2.5 |
| Solubility: | Miscible in water |
| Specific gravity: | 1.012 at 20°C |
| Flash point: | Not flammable |
| Flammability (explosive) limit: | Not available |
| Auto ignition temperature: | Not available |
| Partition coefficient (octanol/water): | Not available |



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10) STABILITY AND REACTIVITY

Chemical stability:	Stable under normal conditions of use, but may be unstable in conditions where the pH is 7 or greater.
Conditions to avoid:	Excessive heat
Incompatible materials :	Oxidising agents, acids, alkalis.

10) STABILITY AND REACTIVITY continued

Hazardous decomposition products:	In a fire, formation of hydrogen chloride, hydrogen cyanide, carbon monoxide and nitrogen oxides can be expected.
Hazardous reactions:	None

11) TOXICOLOGICAL INFORMATION

Inhalation:	May irritate mucous membranes of nose and mouth.
Skin contact:	May irritate and dry the skin.
Eye contact:	May irritate the eyes.
Ingestion:	Product toxicity is low, but may be harmful if swallowed in large amounts.

ANIMAL TOXICITY DATA – PRODUCT

<u>Acute:</u>	
Oral toxicity	LD ₅₀ rat >2000mg/kg
Dermal toxicity:	LD ₅₀ rat >2000mg/kg
Inhalation toxicity:	LC ₅₀ rat (4 hour): >5.2mg/L (iprodione)
Skin irritation:	Not irritating - rabbit (iprodione)
Irritation of mucous membranes:	Slightly irritating - rabbit (iprodione)
Sensitisation:	Not sensitising - guinea pig (iprodione)

Chronic:

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 3 carcinogen by NOHSC. Iprodione was not mutagenic in the Ames assay.



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12) ECOLOGICAL INFORMATION

Toxic to aquatic organisms and may cause 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 waterway with Ippon or the used containers.

Ecotoxicity:

Iprodione:

Fish toxicity: LC₅₀ (96 h) bluegill sunfish (*Lepomis macrochirus*) 3.7mg/L

LC₅₀ (96 h) in trout (*Onchorhynchus mykiss*) 4.1mg/L

Daphnia toxicity: EC₅₀ (48 h) water flea (*Daphnia magna*) 3.7mg/L

Algal Toxicity:

IC₅₀ (72 h) 15.3mg/L

Iprodione:

Bird toxicity:

Acute oral LD₅₀ bobwhite quail >2000mg/kg

Acute oral LD₅₀ mallard duck 10400mg/kg

Low hazard to earthworms and beneficial insects.

**Environmental
fate, persistence
and
degradability,
mobility**

Iprodione is rapidly degraded in the soil. Rate of degradation increases with successive treatments, and hence accumulation does not occur.

12) DISPOSAL CONSIDERATIONS

Triple or preferable pressure rinse containers before disposal. Add rinsings to the mixing tank. Do not dispose of undiluted chemical on-site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and bury empty containers in a local authority landfill. If no landfill is available bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

13) TRANSPORT INFORMATION

UN Number:	Not applicable
Proper Shipping name:	Not applicable
Class and subsidiary risk:	Not applicable
Packing Group:	Not applicable
IMDG Page No.:	9028
Marine Pollutant :	Yes. If the product is shipped by sea it is ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (iprodione), Class 9, UN 3082, Packing Group III



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14) REGULATORY INFORMATION

Registered under the Agricultural and Veterinary Chemicals Act 1988 (Commonwealth) Australian Pesticides and Veterinary Medicines Authority approval number: 62283

15) OTHER INFORMATION

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 should read this MSDS and consider the information in the context of the 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 OF MSDS