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STATEMENT OF HAZARDOUS NATURE

Hazardous according to criteria of National Occupational Health and Safety Commission. R40 - Possible risk of irreversible effects.

COMPANY DETAILS:

Company: Address:

Telephone/Facsimile: Website Address: Emergency Telephone Number: Bayer CropScience Pty Ltd ABN 87 000 226 022 391 - 393 Tooronga Road, East Hawthorn Victoria 3123 Australia (03) 9248 6888/(03) 9248 6800 www.bayercropscience.com.au 1800 033 111 – Orica SH&E Shared Services

IDENTIFICATION

Product Name:

Other Names: Manufacturer's Product Code: SAP Product Code: UN Number: Dangerous Goods Class and Subsidiary Risk: Hazchem Code: Proper Shipping Name: Packing Group: EPG: Chemical Family: Poisons Schedule Number: Use:

Physical Description/Properties

Appearance: Boiling Point/Melting Point: Vapour Pressure: Density: Flashpoint: Flammability Limits: Solubility in Water:

Other Properties:

pH: Formulation

Ingredients:

Chemical Name: Iprodione Other ingredients, including water **CAS Number:** [36734-19-7]

(non hazardous)

Suspension concentrate

Not available

1.155 g/mL at 20⁰ C

Non flammable

Not determined

3.5 to 6.0

Suspends in water

Proportion (g/L): 500 655

Rovral® Aquaflo Fungicide None

Not available 16927 (5 L) Not applicable Not classified as dangerous goods for transport by road or rail Not applicable Not applicable Not applicable Not applicable Dicarboximide Exempt Agricultural fungicide.

White, viscous suspension with negligible odour

Greater than 100° C (boiling point)

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HEALTH HAZARD INFORMATION

Health Effects: Acute:	
Swallowed:	Product toxicity is low but may be harmful if a large amount is swallowed. Symptoms include nausea, vomiting, abdominal pain, and loss of co-ordination.
Eye:	May be an eye irritant.
Skin:	The dermal toxicity of this product is low. However, skin contact should be avoided.
Inhaled:	May irritate mucous membranes of nose and mouth.
Chronic:	Lifetime feeding studies in rodents have shown an increased incidence of tumors in animals treated at the maximum tolerated dose. Iprodione has been classified as a Category 3 carcinogen according to the EU classification. The no observable effect level listed by the Therapeutic Goods Administration for iprodione is 4 mg/kg bw/day. Iprodione was not mutagenic in the Ames assay.
First Aid	If poisoning occurs, immediately contact a doctor or Poisons Information Centre (telephone 13 11 26), and follow the advice given. Show this Material Safety Data Sheet to a doctor.
Swallowed:	Wash out mouth with water. Do not induce vomiting. Keep patient at rest and seek medical advice.
Eye:	Rinse immediately with clean water for at least 15 minutes and obtain medical aid.
Skin:	Carefully remove contaminated clothing. Wash affected area with soap and water. Seek medical aid if at all worried.
Inhaled:	If inhaled, remove to fresh air and keep at rest. Obtain medical advice if at all worried.
First Aid Facilities:	Ensure washing facilities are available.
Advice to Doctor:	Local contamination: Treatment should be symptomatic after decontamination. In case if skin or eye contamination, treat as above under First Aid. Systemic poisoning: Initial treatment should be symptomatic and supportive. Anticonvulsant therapy is not appropriate. There is no specific antidote.

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PRECAUTIONS FOR USE

Exposure Standards:	No exposure standard has been assigned by the National Occupational Health and Safety Commission for the product or its ingredients. The occupational exposure limit for iprodione set by Bayer CropScience is 2 mg/m ³ .		
Engineering Controls:	Control process conditions to avoid contact. Use local exhaust ventilation during manufacture. Use in a well-ventilated area only.		
		nd skin contact, wearing the following personal hing and equipment is recommended: Safety goggles or face shield Cotton overalls buttoned to the neck and wrist and a washable hat Elbow-length PVC gloves Respiratory protection is not normally required. If airborne concentrations are likely to exceed the exposure standards above, an AS/NZS 1715/1716 approved respirator should be worn.	
	Other:	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 or face shield and contaminated clothing.	

Flammability: Non flammable.

SAFE HANDLING INFORMATION

Storage and Transport: Corrosivity Hazards:	None known
Handling & Storage Precautions:	Keep out of reach of children. Avoid contact with eyes and skin and avoid inhalation of product. If product on skin, immediately wash area with soap and water. Store in the closed, original container in a cool, secure, well-ventilated area. Do not store for prolonged periods in direct sunlight. Protect from frost.
Transport:	Not classified as a dangerous good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

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SAFE HANDLING INFORMATION – continued

Spills and Disposal: Spillage or Leak Procedures:	Avoid contact with spill smoke, eat or drink dur protective clothing and Protection' section abov drains or watercourses. material such as earth, drums. Seal and label t immediately. If contam is unavoidable, warn th	ing the clean up proce equipment as detailed /e. Prevent spilled ma Contain spill and abs sand or clay. Transfer hem for safe disposal. nination of drains, stre	ess. Wear p d in 'Person terial from orb with ab collected n Deal with ams, water	ersonal al entering sorbent naterial to all spillages
Waste Disposal Methods:	Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on site. Break, crush or puncture and bury empty containers in a local authority landfill. If no landfill is available, bury empty containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, vegetation and roots. Empty containers and product should not be burnt. Returnable containers should be taken back to point of supply for refill or storage. Dispose of waste product through a reputable waste contractor.			
Fire/Explosion Hazard: Extinguishing Media:	Waterspray, carbon dio	kide, foam, dry agent		
Special Fire Fighting Procedures:	Firefighters should wear full protective gear, including self-contained breathing apparatus (AS/NZS 1715/1716). If possible and without risk, remove intact containers from exposure to fire. Otherwise, spray unopened containers with water to keep cool. Contain fire-fighting water by bunding area with sand or earth to prevent it entering any bodies of water. Dispose of fire control extinguishing agent and spillage later in a safe manner.			
Reactivity Hazards:	Stable under normal conditions of use, but may be unstable in conditions where the pH is 7 or higher. Avoid extreme heat, strong acids, bases, and strong oxidising agents. Incompatible with strong alkalis. Toxic compounds of carbon, nitrogen and chlorine may be given off when exposed to extreme heat or fire.			
OTHER INFORMATION: Animal toxicity data (technical iprodione):	Oral LD ₅₀ (mg/kg) Dermal LD ₅₀ (mg/kg) Eye irritation Skin irritation Sensitisation	3500 > 1000 Slightly irritating Non irritating Non sensitising	Species Species: Species: Species: Species:	Rat Rabbit Rabbit Rabbit Guinea pig



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Environmental / Ecological Effects (technical iprodione):	 Very toxic to aquatic organisms. Low hazard to earthworms, bees and other beneficial insects. <i>Fish toxicity:</i> LC₅₀ (96 hr) for rainbow trout 4.1 mg/L LC₅₀ (96 hr) for bluegill sunfish 3.7 mg/L EC₅₀ (48 hr) for Daphnia 0.25 mg/L <i>Bird toxicity:</i> Acute oral LD₅₀ for bobwhite quail > 2,000 mg/kg Acute oral LD₅₀ for mallard ducks 10,400 mg/kg <i>Algal toxicity:</i> IC₅₀ (72 hr) for Algae 15.3 mg/L Iprodione is rapidly metabolised in soil. D0 NOT contaminate streams, rivers or waterways with the chemical or used containers.
Special Precautions / Comments:	None
Data Sources / References:	Bayer CropScience Pty Ltd product safety data and published data

CONTACT POINT:

Emergency Contact Number:	1800 033 111 (Orica SH&E Shared Services)
Development Manager:	(03) 9248 6888

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 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.

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.

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