

## SAFETY DATA SHEET

### Section 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

<b>Product Name:</b>	<b>INNOVA IPRODIONE 500 AQUAFLO FUNGICIDE</b>
<b>Other Names:</b>	<b>Product code:</b> A16366A
<b>Recommended Use:</b>	For control of certain fungal diseases in various crops and situations.
<b>Company Details:</b>	<b>Syngenta Crop Protection Pty Limited</b> ABN 33 002 933 717
<b>Address:</b>	<b>Level 1, 2-4 Lyonpark Road</b> <b>MACQUARIE PARK NSW 2113</b> <b>AUSTRALIA</b>
<b>Telephone Number:</b>	<b>(02) 8876 8444</b>
<b>Emergency Telephone Number:</b>	<b>24 hours - 1800 033 111</b>

### Section 2: HAZARDS IDENTIFICATION

<b>Hazard Classification:</b>	Hazardous according to the criteria of NOHSC Australia R40 – Limited evidence of carcinogenic effect
<b>Risk Phrases:</b>	
<b>Safety Phrases:</b>	–

### Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE	
<b>Chemical Identity of Pure Substance:</b>	Iprodione
<b>Synonym:</b>	-
<b>CAS Number:</b>	36734-19-7

MIXTURE		
Chemical Identity of Ingredients	CAS No	Proportion (% w/v)
Iprodione	36734-19-7	50
Other ingredients determined not to be hazardous	-	to 100

### Section 4: FIRST AID MEASURES

<p><b>Description of Necessary First Aid Measures:</b></p>	<p>In case of poisoning by any exposure route contact a doctor or Poisons Information Centre on 131 126. Have the product label or SDS with you when calling or going for treatment.</p> <p><b>Ingestion:</b> Wash out mouth with water. DO NOT induce vomiting. Give a glass of water. Keep patient at rest.</p> <p><b>Eye contact:</b> Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. Immediate medical attention is required.</p> <p><b>Skin contact:</b> Take off all contaminated clothing immediately. Wash off immediately with plenty of water. If skin irritation occurs, call a physician. Wash contaminated clothing before re-use.</p> <p><b>Inhalation:</b> Remove to fresh air. Keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration.</p>
<p><b>Poisoning Symptoms:</b></p> <p><b>Medical Advice:</b></p>	<p>Symptoms of poisoning include nausea, vomiting, abdominal pain, loss of co-ordination if swallowed. May irritate the eyes or respiratory tract.</p> <p>Treatment should be symptomatic . As this product contains a hydrocarbon solvent, care should be taken to prevent pulmonary aspiration. There is no specific antidote.</p>

### Section 5: FIRE FIGHTING MEASURES

<p><b>Suitable Extinguishing Media:</b></p> <p><b>Hazards from Combustion Products:</b></p> <p><b>Special Protective Precautions and Equipment for Fire Fighters:</b></p> <p><b>Hazchem Code:</b></p>	<p>Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.</p> <p>In a fire, irritant and toxic fumes containing oxides of nitrogen and carbon, and hydrogen chloride may be released. Exposure to decomposition products may be a hazard to health.</p> <p>In the event of fire, wear full protective gear, including self-contained breathing apparatus. Do not allow run-off from fire fighting to enter drains or water courses. Cool closed containers exposed to fire with water spray.</p> <p>-</p>
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### Section 6: ACCIDENTAL RELEASE MEASURES

<p><b>Emergency Procedures:</b></p>	<p>Wear appropriate protective equipment. Prevent further leakage or spillage if safe to do so. Do not allow water from fire-fighting to enter water supplies or drainage systems.</p>
<p><b>Methods and Materials for Containment and Clean Up:</b></p>	<p>Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to regulations.</p>

## Section 7: HANDLING AND STORAGE

<b>Precautions for Safe Handling:</b>	Avoid contact with eyes and skin. 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.
<b>Conditions for Safe Storage:</b>	Keep out of reach of children. Store in the closed, original container in a dry, cool, well ventilated area out of direct sunlight. Protect from frost.

## Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

**ALWAYS READ AND FOLLOW THE LABEL INSTRUCTIONS AND WARNINGS**

<b>National Exposure Standards:</b>	No exposure standard allocated
<b>Biological Limit Values:</b>	No biological limit allocated
<b>Engineering Controls:</b>	Use in a well ventilated area.
<b>Personal Protective Equipment:</b>	Avoid contact with eyes and skin. 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.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	White liquid	<b>Boiling Point/Range:</b>	Above 100°C
<b>Odour:</b>	Mild odour	<b>Freezing Point:</b>	< 0°C
<b>pH:</b>	No data	<b>Solubility:</b>	Miscible with water
<b>Vapour Pressure:</b>	2.37 kPa at 20°C	<b>Specific Gravity:</b>	1.05 – 1.10 at 20°C
<b>Vapour Density:</b>	No data		

  

<b>Flash Point:</b>	Does not flash	<b>Explosive Properties:</b>	Not explosive
<b>Upper and Lower Flammable (Explosive) Limits in Air:</b>	Not available	<b>Oxidising Properties:</b>	Not an oxidiser
<b>Ignition Temperature:</b>	Not available	<b>Combustibility:</b>	Not combustible
		<b>Corrosiveness:</b>	Not corrosive

## Section 10: STABILITY AND REACTIVITY

<b>Chemical Stability:</b>	Stable under normal conditions of use but may be unstable in conditions where the pH is greater than 7.
<b>Conditions to Avoid:</b>	Avoid extreme heat.
<b>Incompatible Materials:</b>	Avoid strong acids, strong alkalis and strong oxidising agents.
<b>Hazardous Decomposition Products:</b>	Toxic compounds of carbon, nitrogen and chlorine may be given off when exposed to extreme heat of fire.
<b>Hazardous Reactions:</b>	None known.

## Section 11: TOXICOLOGICAL INFORMATION

### Health Effects from Likely Routes of Exposure:

<b>Acute:</b>	<b>Oral toxicity:</b>	LD50 rat > 2000 mg/kg (similar product)
	<b>Dermal toxicity:</b>	LD50 rat > 2000 mg/kg (similar product)
	<b>Inhalation:</b>	Not available. The inhalation toxicity of iprodione is low.
	<b>Skin irritation:</b>	Non irritant (rabbit) (similar product)
	<b>Eye irritation:</b>	Non irritant (rabbit) (similar product)
	<b>Sensitisation:</b>	Non-sensitising (guinea pig) (similar product)

**Chronic:** In lifetime feeding studies rodents have shown an increased incidence of tumours in animals treated at the maximum tolerated dose. Iprodione was not mutagenic in the Ames assay.

## Section 12: ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	LC50 (96 hours) bluegill sunfish 3.7 mg/L (iprodione) EC50 (48 hours) Daphnia magna 0.25 mg/L (iprodione) IC50 (7 hours) Algae ( <i>Scenedesmus subspicatus</i> ) 15.3 mg/L (iprodione) Acute oral LD50 bobwhite quail > 2,000 mg/kg
<b>Persistence and Degradability:</b>	Iprodione is rapidly metabolised in soil with formation of carbon dioxide. Does not accumulate in soil.  Mobility decreases with increasing carbon content of soil.
<b>Bioaccumulative Potential:</b>	Does not bioaccumulate

### Section 13: DISPOSAL CONSIDERATIONS

<b>Disposal Methods and Containers:</b>	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 bury containers at a local authority landfill. If no landfill is available, bury the containers below 500 mm 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.
<b>Special Precautions for Landfill or Incineration:</b>	Not applicable

### Section 14: TRANSPORT INFORMATION

<b>LAND TRANSPORT</b> ADG			
<b>UN Number:</b>	None allocated	<b>Packing Group:</b>	None allocated
<b>UN Proper Shipping Name:</b>	None allocated	<b>Special Precautions for User:</b>	None allocated
<b>Class:</b>	None allocated	<b>Hazchem Code:</b>	-
<b>Subsidiary Risk:</b>	None allocated		

<b>SEA TRANSPORT</b> IMDG			
<b>UN Number:</b>	3082	<b>Packing Group:</b>	III
<b>UN Proper Shipping Name:</b>	Environmentally Hazardous Substance, Liquid, N.O.S. (iprodione)	<b>Special Precautions for User:</b>	None
<b>Class:</b>	9	<b>Hazchem Code:</b>	2X
<b>Subsidiary Risk:</b>	None	<b>Marine Pollutant:</b>	Yes

<b>AIR TRANSPORT</b> ICAO / IATA			
<b>UN Number:</b>	3082	<b>Packing Group:</b>	III
<b>UN Proper Shipping Name:</b>	Environmentally Hazardous Substance, Liquid, N.O.S. (iprodione)	<b>Special Precautions for User:</b>	None
<b>Class:</b>	9	<b>Hazchem Code:</b>	2X
<b>Subsidiary Risk:</b>	None		

**Section 15: REGULATORY INFORMATION**

<b>APVMA Product Number:</b>	62463
<b>Poisons Schedule (SUSDP):</b>	Exempt

**Section 16: OTHER INFORMATION**

<b>Date of preparation or last revision:</b> March 2008
<b>Source of Data:</b> The information provided in this SDS is sourced from Syngenta internal studies which have been conducted according to Regulatory requirements including OECD and CIPAC Guidelines and EC Directives. A comprehensive package of toxicological and environmental data for the active ingredients of this product has been submitted to the government health and environment authorities and has been evaluated by expert toxicologists and environmental scientists.
<b>Note:</b> This product is a registered agricultural chemical and must, therefore, be used in accordance with the container label directions
<b>CONTACT POINT:</b> Regulatory Affairs Manager, Syngenta Crop Protection Pty Limited (02) 8876 8444
<b>24 HOURS EMERGENCY CONTACT: 1800 033 111</b>
This Material Safety Data Sheet 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.

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