

SAFETY DATA SHEET

Section 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name:	INNOVA FLUTRIAFOL 250 IN-FURROW + FOLIAR FUNGICIDE
Other Names:	Product code: A12697D
Recommended Use:	Agricultural fungicide to control fungal diseases on wheat, barley and canola when mixed with fertiliser or applied as a foliar spray.
Company Details:	Syngenta Crop Protection Pty Limited ABN 33 002 933 717
Address:	Level 1, 2-4 Lyonpark Road MACQUARIE PARK NSW 2113 AUSTRALIA
Telephone Number:	(02) 8876 8444
Emergency Telephone Number:	24 hours - 1800 033 111

Section 2: HAZARDS IDENTIFICATION

Hazard Classification:	Hazardous according to the criteria of NOHSC Australia
Risk Phrases:	R20/22- Harmful by inhalation or if swallowed.
Safety Phrases:	—

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE	
Chemical Identity of Pure Substance:	Flutriafol
Synonym:	PP450
CAS Number:	76674-21-0

MIXTURE		
Chemical Identity of Ingredients	CAS No	Proportion (% w/v)
Flutriafol	76674-21-0	25
Other ingredients determined not to be hazardous	-	to 100

Section 4: FIRST AID MEASURES

<p>Description of Necessary First Aid Measures:</p>	<p>In case of poisoning by any exposure route get to a doctor or hospital quickly. Phone Poisons Information Centre on 131 126. Have the product label or SDS with you when calling or going for treatment.</p> <p>Ingestion: Take victim immediately to hospital. DO NOT induce vomiting.</p> <p>Eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses.</p> <p>Skin contact: Take off all contaminated clothing immediately. Wash off immediately with soap and water. If skin irritation persists, call a doctor. Wash contaminated clothing before re-use.</p> <p>Inhalation: Move to fresh air. Keep patient warm and at rest.</p>
<p>Poisoning Symptoms: Medical Advice:</p>	<p>Poisoning symptoms in laboratory animals were non-specific Treat symptomatically.</p>

Section 5: FIRE FIGHTING MEASURES

<p>Suitable Extinguishing Media: Hazards from Combustion Products: Special Protective Precautions and Equipment for Fire Fighters: Hazchem Code:</p>	<p>Use dry chemical, carbon dioxide, foam or water fog.</p> <p>During a fire, smoke may contain the original material in addition to products of varying composition that may be toxic and/or irritating.</p> <p>In the event of fire, wear 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>2XE</p>
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Section 6: ACCIDENTAL RELEASE MEASURES

<p>Emergency Procedures:</p>	<p>Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system.</p>
<p>Methods and Materials for Containment and Clean Up:</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 local / national regulations.</p>

Section 7: HANDLING AND STORAGE

<p>Precautions for Safe Handling:</p>	<p>No special protective measures against fire required. Avoid contact with skin and eyes. When using, do not eat, drink or smoke.</p>
<p>Conditions for Safe Storage:</p>	<p>No special storage conditions required. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children.</p>

Keep away from food, drink and animal feed stuffs.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

ALWAYS READ AND FOLLOW THE LABEL INSTRUCTIONS AND WARNINGS

National Exposure Standards:	No exposure standard allocated
Biological Limit Values:	No biological limit allocated
Engineering Controls:	Use only with adequate ventilation.
Personal Protective Equipment:	<p>Harmful if swallowed. Will irritate the eyes. May irritate the nose and throat and skin. Avoid contact with eyes and skin. Avoid inhaling spray mist. When opening the container, preparing the spray wear:</p> <ul style="list-style-type: none"> • cotton overalls buttoned to the neck and wrist • a washable hat • elbow-length PVC gloves • face shield or goggles. <p>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</p>

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Yellow liquid	Boiling Point/Range:	Approx. 100°C
Odour:	Odourless	Freezing/Melting Point:	<0°C
pH:	-	Solubility:	Dispersable
Vapour Pressure:	7x10 ⁻¹⁰ kPa at 20°C	Specific Gravity or Density:	1.09 at 20°C
Flash Point:	Not available	Combustibility:	Non-combustible

Section 10: STABILITY AND REACTIVITY

Chemical Stability:	This product is stable under normal storage conditions and is unlikely to react or decompose under normal storage conditions.
Conditions to Avoid:	Avoid high temperatures and direct sunlight. Store in the closed original container in a dry, cool, well-ventilated area out or direct sunlight.
Incompatible Materials:	Strong acids. Strong bases and strong oxidising agents.
Hazardous Decomposition Products:	During a fire, smoke may contain the original material in addition to products of varying composition that may be toxic and/or irritating.
Hazardous Reactions:	None known.

Section 11: TOXICOLOGICAL INFORMATION

Health Effects from Likely Routes of Exposure:

Acute:	Oral toxicity:	LD50 (rat) 1140-1480 mg/kg for flutriafol..
	Dermal toxicity:	LD50 (rat) > 2000 mg/kg for flutriafol.
	Inhalation:	LD50 (rat) (4 hours) 1.79 g/L for flutriafol.
	Skin irritation:	The concentrate may cause mild irritation to skin.
	Eye irritation:	The concentrate may cause irritation to the eyes. Prolonged contact with the concentrate may cause damage to the eye.
	Sensitisation:	Prolonged contact with the concentrate may cause skin sensitisation.

Chronic : Flutriafol has been extensively tested on laboratory mammals and in test-tube systems. The liver was identified as the target organ. No evidence of carcinogenic, mutagenic, teratogenic or reproductive effects was obtained.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity:	LD50 (mallard ducks) > 5000 mg/kg (flutriafol) LC50 (96 hrs, rainbow trout) 61 mg/L (flutriafol) LC50 (48 hrs, daphnia) 78 mg/L (flutriafol) LD50 (bees) > 5 ug/bee (flutriafol) LC50 (14 days, worms) > 1000 mg/kg (flutriafol)
Persistence and Degradability:	Flutriafol is rapidly degraded in natural waters and is slowly degraded in soil.
Mobility	Flutriafol is of moderate to low mobility.
Bioaccumulative Potential:	No risk of bioaccumulation.

Section 13: DISPOSAL CONSIDERATIONS

Disposal Methods and Containers:	Store in the closed, original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. 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.
Special Precautions for Landfill or Incineration:	Not applicable

Section 14: TRANSPORT INFORMATION

LAND TRANSPORT ADG		Not a dangerous good in Australia	
UN Number:	None allocated	Packing Group:	None allocated
UN Proper Shipping Name:	None allocated	Special Precautions for User:	None allocated
Class:	None allocated	Hazchem Code:	2XE
Subsidiary Risk:	None allocated		

SEA TRANSPORT IMDG		Not a dangerous good	
UN Number:	None allocated	None allocated	
UN Proper Shipping Name:	None allocated	Special Precautions for User:	None allocated
Class:	None allocated	Hazchem Code:	2XE
Subsidiary Risk:	None allocated	Marine Pollutant:	None allocated

AIR TRANSPORT ICAO / IATA		Not a dangerous good	
UN Number:	None allocated	Packing Group:	None allocated
UN Proper Shipping Name:	None allocated	Special Precautions for User:	None allocated
Class:	None allocated	Hazchem Code:	None allocated
Subsidiary Risk:	None allocated		

Section 15: REGULATORY INFORMATION

APVMA Product Number:	61631
Poisons Schedule (SUSDP):	S6 POISON

Section 16: OTHER INFORMATION

Date of preparation or last revision: October 2007

Source of Data: The information provided in this SDS is sourced from various publications.

Note: This product is a registered agricultural chemical and must, therefore, be used in accordance with the container label directions

CONTACT POINT: Regulatory Affairs Manager, Syngenta Crop Protection Pty Limited
(02) 8876 8444

24 HOURS EMERGENCY CONTACT: 1800 033 111

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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