

SAFETY DATA SHEET

Section 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name:	Innova Tebuconazole 25C Flowable Seed Dressing
Other Names:	Product code: A16237A
Recommended Use:	Agricultural seed treatment for the control various fungal and insect pests.
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:	Not classified as hazardous according to NOHSC criteria
Risk Phrases:	R22 – Harmful if swallowed R37 – Irritating to respiratory system R65 – May cause lung damage if swallowed
Safety Phrases:	–

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE	
Chemical Identity of Pure Substance:	Tebuconazole Cypermethrin
Synonym:	ASF315 CGA55186
CAS Number:	107534-96-3 52315-07-8

MIXTURE		
Chemical Identity of Ingredients	CAS No	Proportion (% w/v)
Tebuconazole	107534-96-3	2.5
Cypermethrin	52315-07-8	0.4
Other ingredients determined not to be hazardous	-	to 100

Section 4: FIRST AID MEASURES

Description of Necessary First Aid Measures:	<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>Ingestion: Wash mouth out with water. DO NOT induce vomiting. Keep patient at rest.</p> <p>Eye contact: Rinse eyes immediately with water for at least 15 minutes.</p> <p>Skin contact: Remove contaminated clothing. Wash affected area with soap and water.</p> <p>Inhalation: Move person to fresh air.</p>
Poisoning Symptoms:	Poisoning symptoms in laboratory animals were non-specific
Medical Advice:	There is no specific antidote. Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES

Suitable Extinguishing Media:	Water fog, foam, dry chemical, carbon dioxide.
Hazards from Combustion Products:	In a fire, formation of hydrogen chloride, hydrogen cyanide, hydrogen fluoride, carbon monoxide and nitrogen oxides can be expected.
Special Protective Precautions and Equipment for Fire Fighters:	Fire fighters should wear full protective gear, including self-contained breathing apparatus. Keep unnecessary people away. Bund area with sand or earth to prevent contamination of drains or waterways.

Section 6: ACCIDENTAL RELEASE MEASURES

Emergency Procedures:	<p>In case of spillage it is important to take all steps necessary to:</p> <ul style="list-style-type: none"> • Avoid eye and skin contact. • Avoid contamination of waterways
Methods and Materials for Containment and Clean Up:	<ol style="list-style-type: none"> (1) Keep all bystanders away. (2) Wear goggles, half face-piece respirator with combined dust and vapour cartridge, full length clothing and PVC gloves. (3) Reposition any leaking containers so as to minimise further leakage. (4) Dam and absorb spill with an absorbent material (e.g. sand or soil). (5) Shovel the absorbed material into drums. (6) Disposal of the absorbed material will depend upon the extent of the spill. <ul style="list-style-type: none"> • For quantities up to 50L of product bury in a secure landfill site. • For quantities greater than 50L seek advice (use emergency contact number below) from the manufacturer before attempting disposal. Contain in a secure location until disposal method is established. (7) Decontaminate the spill area with detergent and water and rinse with the smallest volume of water practicable.

Dispose of empty, used containers by:

- (a) Triple rinse or preferably pressure rinse containers with water. Add the rinsings to the spray tank. DO NOT dispose of undiluted chemicals on site.
- (b) If recycling, replace cap and return clean containers to recycler or designated collection point.
- (c) 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 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.

Section 7: HANDLING AND STORAGE

Precautions for Safe Handling: May irritate the eyes. Avoid contact with eyes. Wash hands after use.

Conditions for Safe Storage: Store product in the closed original container in a dry, cool, well ventilated area out of direct sunlight.

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: Avoid contact with eyes and skin. No special equipment needed.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Red liquid suspension	Boiling Point/Range:	Approx. 100°C
Odour:	Characteristic weak odour	Freezing/Melting Point:	<0°C
pH:	Not known	Solubility:	Miscible with water
Vapour Pressure:	1.7 x 10 ⁻³ mPa at 20°C (tebuconazole) 2.0 x 10 ⁻⁴ mPa at 20°C (cypermethrin)	Specific Gravity or Density:	1.05 at 20°C
Flash Point:	Does not flash	Combustibility:	Non-combustible

Section 10: STABILITY AND REACTIVITY

Chemical Stability:	Stable under normal conditions of use.
Conditions to Avoid:	Avoid high temperatures and direct sunlight.
Incompatible Materials:	Strong acids, strong bases, strong oxidising agents.
Hazardous Decomposition Products:	In a fire, formation of hydrogen chloride, hydrogen cyanide, hydrogen fluoride, carbon monoxide and nitrogen oxides can be expected.
Hazardous Reactions:	None known.

Section 11: TOXICOLOGICAL INFORMATION

Health Effects from Likely Routes of Exposure:

Acute:	Oral toxicity:	LD50 (rat) 5000 mg/kg
	Dermal toxicity:	LD50 (rat) > 5000 mg/kg tebuconazole LD50 (rat) > 4920 mg/kg cypermethrin
	Inhalation:	LD50 (rat, 4 hr) > 818 mg/L tebuconazole LD50 (rat, 4 hr) > 2.5 mg/L cypermethrin
	Skin irritation:	Non-irritant.
	Eye irritation:	The concentrate may cause irritation to the eyes.
	Sensitisation:	Prolonged contact with the concentrate may cause skin sensitisation.
Chronic:	The active ingredients have been extensively tested on laboratory mammals and in test-tube systems. No evidence of mutagenic, carcinogenic, teratogenic or reproductive effects was obtained	

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity:	<u>Tebuconazole</u> Fish toxicity: LC50 (96 hr) rainbow trout 4.4 mg/L Daphnia toxicity: LC50 (48 hr) 4.2 mg/L Algae toxicity: ErC50 (96 hr) <i>Scenedesmus subspicatus</i> 4.01 mg/L Bird toxicity: Acute oral LD50 bobwhite quail 1988 mg/kg <u>Cypermethrin</u> Fish toxicity: LC50 (96 hr) rainbow trout 0.69 ug/L Daphnia toxicity: LC50 (48 hr) 0.15 ug/L Bird toxicity: Acute oral LD50 mallard ducks > 10,000 mg/kg
Persistence and Degradability:	Tebuconazole degrades in soil and does not accumulate in soil. Cypermethrin degrades quickly and does not accumulate in soil.
Mobility:	Tebuconazole has low mobility in soil.
Bioaccumulative Potential:	Both tebuconazole and cypermethrin have little potential to bioaccumulate.

Section 13: DISPOSAL CONSIDERATIONS

Disposal Methods and Containers:	Single rinse before disposal. Add rinsings to disposal pit. Do not dispose of undiluted chemicals on-site. Puncture and bury empty containers in a local authority landfill. If not available, bury 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.
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:	None allocated
Subsidiary Risk:	None allocated		

SEA TRANSPORT IMDG			
UN Number:	3082	Packing Group:	III
UN Proper Shipping Name:	Environmentally Hazardous Substance, Liquid, N.O.S. (Tebuconazole and cypemethrin)	Special Precautions for User:	None allocated
Class:	9	Hazchem Code:	None allocated
Subsidiary Risk:	None allocated	Marine Pollutant:	Yes

AIR TRANSPORT ICAO / IATA			
UN Number:	3082	Packing Group:	III
UN Proper Shipping Name:	Environmentally Hazardous Substance, Liquid, N.O.S. (Tebuconazole and cypemethrin)	Special Precautions for User:	None allocated
Class:	9	Hazchem Code:	None allocated
Subsidiary Risk:			

Section 15: REGULATORY INFORMATION

APVMA Product Number:	62155
Poisons Schedule (SUSDP):	Schedule 5 - caution

Section 16: OTHER INFORMATION

Date of preparation or last revision: February 2008
Source of Data: The information provided in this SDS is sourced from the manufacturer.
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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