

SAFETY DATA SHEET

Section 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name:	ACELEPRYN® INSECTICIDE
Other Names:	Proper shipping name: Environmentally Hazardous Substance, Liquid, N.O.S. (chlorantraniliprole) Applicable only for marine and air transport
	Product code: A16130A
Recommended Use:	For the control of African Black Beetle, Argentinian Scarab, Argentine Stem Weevil, Billbugs and other insect pests in turf
Company Details:	Syngenta Australia Pty Ltd 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 a hazardous chemical according to the Australian criteria for the classification of chemicals
Risk Phrases:	–
Safety Phrases:	–

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE	
Chemical Identity of Pure Substance:	Chlorantraniliprole
Synonym:	SYN 545170
CAS Number:	500008-45-7

MIXTURE		
Chemical Identity of Ingredients	CAS No	Proportion (% w/v)
Chlorantraniliprole	500008-45-7	20
Other ingredients determined not to be hazardous	-	to 100

Section 4: FIRST AID MEASURES

Description of Necessary First Aid Measures:	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.
Ingestion:	No specific intervention is indicated as the compound is not likely to be hazardous. Consult a doctor if necessary.
Eye contact:	No specific intervention is indicated as the compound is not likely to be hazardous. In case of eye contact immediately flush eye(s) with plenty of water. Consult a doctor if necessary
Skin contact:	The material is not likely to be hazardous by skin contact, but cleansing the skin after use is advisable.
Inhalation:	No specific intervention is indicated as the compound is not likely to be hazardous. Consult a doctor if necessary.
Poisoning Symptoms:	Poisoning symptoms in laboratory animals were non-specific.
Medical Advice:	There is no specific antidote available. Treat symptomatically

Section 5: FIRE FIGHTING MEASURES

Suitable Extinguishing Media:	Use water spray, foam, dry chemical or carbon dioxide. DO NOT use high volume water jet.
Hazards from Combustion Products:	As the product contains combustible organic components, fire will produce dense black smoke containing hazardous products of combustion (see Section 10). Exposure to decomposition products may be a hazard to health.
Special Protective Precautions and Equipment for Fire Fighters:	Wear full protective clothing and self-contained breathing apparatus.
Further Information:	Prevent fire extinguishing water from contaminating surface water or the ground water system. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. For small fires, if area is heavily exposed to fire and if conditions permit, let fire burn itself out since water may increase the area contaminated. Cool containers / tanks with water spray.

Section 6: ACCIDENTAL RELEASE MEASURES

Emergency Procedures:	In case of spillage it is important to take all steps necessary to <ul style="list-style-type: none"> • Avoid eye and skin contact • Avoid contamination of waterways
Methods and Materials for Containment and Clean Up:	Procedure for spill <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 waterproof clothing and elbow-length PVC gloves (3) Reposition any leaking containers so as to minimise leakage. (4) Dam and absorb spill with an absorbent material (eg 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 50 L of product bury in a secure landfill site • For quantities greater than 50 L seek advice from the manufacturer (use emergency contact number below) before attempting disposal. Contain in a secure location until disposal method is established (7) Decontaminate spill area with detergent and water and rinse with the smallest volume of water practicable

Section 7: HANDLING AND STORAGE

Precautions for Safe Handling:	No specific precautions are required.
Conditions for Safe Storage:	Store in the closed, original container in a cool, well ventilated area. DO NOT store for prolonged periods in direct sunlight.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

ALWAYS READ AND FOLLOW THE LABEL INSTRUCTIONS AND WARNINGS

National Exposure Standards:	No exposure standard allocated			
Syngenta Exposure Standards:	Component	Exposure limit		Value type
	Chlorantraniliprole	Total dust	10 mg/m ³	8, 12 h TWA
		Respirable dust	5 mg/m ³	
Biological Limit Values:	No biological limit allocated.			
Engineering Controls:	Ensure adequate ventilation.			
Personal Protective Equipment:	No special personal protective equipment is required.			

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White semi-viscous liquid	Specific gravity:	1.094
Odour:	Alcohol like	Freezing/Melting Point:	-6°C
pH:	7.8 at 10 g/L	Solubility:	Slightly soluble
Viscosity, dynamic:	583 mPa.s		

Flash point:	>100°C	Explosive properties:	Not explosive
Upper and Lower Flammable (Explosive) Limits in Air:	Not flammable	Combustibility:	Not combustible

Section 10: STABILITY AND REACTIVITY

Chemical Stability:	Stable at normal temperatures and storage conditions
Conditions to Avoid:	None known
Incompatible Materials:	None known
Hazardous Decomposition Products:	Nitrogen oxides, carbon monoxide and unidentified organic compounds may be formed upon combustion
Hazardous Reactions:	Polymerisation will not occur

Section 11: TOXICOLOGICAL INFORMATION

Health Effects from Likely Routes of Exposure:		
Acute:	Oral toxicity:	LOW TOXICITY Tests on rats indicate this product has a low toxicity following single doses of undiluted product LD ₅₀ = >5,000 mg/kg
	Dermal toxicity:	LOW TOXICITY Tests on rats indicate this product has a low toxicity following skin contact with undiluted product LD ₅₀ = >5,000 mg/kg
	Inhalation:	LOW TOXICITY Tests on rats indicate this product is not harmful due to inhalation of undiluted product LC ₅₀ (4 hours) = >2 mg/L
	Skin irritation:	NON IRRITANT
	Eye irritation:	NON IRRITANT
	Sensitisation:	NOT A SENSITISER
Chronic:	Chlorantraniliprole technical has been extensively tested on laboratory mammals and in test tube systems. No evidence was obtained of mutagenic, carcinogenic, teratogenic or reproductive effects.	

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity:	<p>Slightly toxic to fish Bluegill sunfish (<i>Lepomis macrochirus</i>) LC₅₀ (96 hours) = >9.9 mg/L</p> <p>Very highly toxic to aquatic invertebrates Water flea (<i>Daphnia magna</i>) EC₅₀ (48 hours) = 35 µg/L</p> <p>Practically non-toxic to algae Green algae (<i>Pseudokirchneriella subcapitata</i>) ErC₅₀ (72 hours) = >20 mg/L</p> <p>Non-toxic to bees Bees (<i>Apis mellifera</i>) EC₅₀ (2 days) = >100 µg/bee (contact) = >114.1 µg/bee (oral)</p>
Persistence and Degradability:	Chlorantraniliprole is not readily biodegradable
Mobility:	Chlorantraniliprole has medium mobility in soil
Environmental Fate (Exposure):	Chlorantraniliprole binds to soil
Bioaccumulative Potential:	Chlorantraniliprole does not bioaccumulate

Section 13: DISPOSAL CONSIDERATIONS

Disposal Methods and Containers:	Triple or preferably pressure rinse containers before disposal. Add rinsings to the 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 deliver empty packaging to an approved waste management facility. If no facility is available, bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots, in compliance with Local, State or Territory government regulations. DO NOT burn empty containers or product..
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	Subsidiary Risk:	None allocated
UN Proper Shipping Name:	Environmentally Hazardous Substance, Liquid, N.O.S. (chlorantraniliprole)	Packing Group:	III
Class:	9	Marine Pollutant:	Marine pollutant

AIR TRANSPORT ICAO / IATA			
UN Number:	3082	Subsidiary Risk:	None allocated
UN Proper Shipping Name:	Environmentally Hazardous Substance, Liquid, N.O.S. (chlorantraniliprole)	Packing Group:	III
Class:	9		

Section 15: REGULATORY INFORMATION

APVMA Product Number:	63085
Poisons Schedule (SUSDP):	Exempt

Section 16: OTHER INFORMATION

Date of preparation or last revision: December 2014
Source of Data: 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.
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 Australia Pty Ltd (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.
DISCLAIMER This product complies with the specifications in its statutory registration. Implied terms and warranties are excluded. Syngenta's liability for breach of the express or any non-excludable implied warranty is limited to product replacement or purchase price refund. The purchaser must determine suitability for intended purpose and take all proper precautions in the handling, storage and use of the product including those on the label and/or safety data sheet failing which Syngenta shall have no liability.