

SAFETY DATA SHEET

Section 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name:	Innova Picloram + Triclopyr 400 Herbicide
Other Names:	Product code: A15796A
Recommended Use:	Agricultural herbicide for the control of environmental and noxious woody and herbaceous weeds in various situations.
Company Details:	Syngenta Crop Protection Pty Limited ABN 33 002 933 717
Address:	Level 1, 2-4 Lyon Park Road NORTH RYDE 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 otherwise
Risk Phrases:	R36/38: Irritating to eyes and skin R43: May cause sensitisation by skin contact R65: Harmful: may cause lung damage if swallowed R38: Irritating to skin
Safety Phrases:	—

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE	
Chemical Identity of Pure Substance:	Triclopyr / Picloram
Synonym:	CGA69231 / CGA8466
CAS Number:	64700-56-7 / 1918-18-1

MIXTURE		
Chemical Identity of Ingredients	CAS No	Proportion (% w/v)
Triclopyr present as the butoxyethyl ester	64700-56-7	30
Picloram	1918-18-1	10
Diethylene glycol monoethyl ether	111-90-0	< 10
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 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: Do not induce vomiting unless told to do so by the Poisons Information Centre or Doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.</p> <p>Eye contact: If in eyes, hold open and flood with water for at least fifteen minutes. Remove contact lenses if present after the first five minutes and then continue rinsing the eyes.</p> <p>Skin contact: Remove contaminated clothing. Rinse skin immediately with plenty of water, and soap if available.</p> <p>Inhalation: If inhaled move person to fresh air.</p>
Poisoning Symptoms: Medical Advice:	<p>Poisoning symptoms in laboratory animals were non-specific.</p> <p>There is no specific antidote available. Treat symptomatically.</p>

Section 5: FIRE FIGHTING MEASURES

Suitable Extinguishing Media:	Water fog, foam, CO2, dry chemical.
Hazards from Combustion Products:	Highly toxic and irritating fumes are released in fire situations including oxides of nitrogen, carbon, and sulphur. Hydrogen chloride and cyanide compounds may be formed.
Special Protective Precautions and Equipment for Fire Fighters:	When fighting a major fire wear self-contained breathing apparatus and protective equipment.
Hazchem Code:	2X

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:

Procedure for spill:

- (1) Keep all bystanders away.
- (2) Wear 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 spill into drums.
- (6) Disposal of the absorbed material will depend upon the extent of the spill.
 - For quantities up to 50L of product bury in a secure landfill site.
 - For quantities greater than 50L 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 the spill area with detergent and water and rinse with the smallest volume of water practicable.

Section 7: HANDLING AND STORAGE

Precautions for Safe Handling:

Harmful if swallowed. Will irritate the eyes and skin. Avoid contact with eyes and skin. When preparing spray wear:

- cotton overalls buttoned to the neck and wrists
- a washable hat
- elbow-length PVC gloves
- a face shield or goggles.

If product is in eyes, wash it out immediately with water. Wash hands after use. After each day's use, wash gloves, face shield or goggles and contaminated clothing.

Conditions for Safe Storage:

Store in the closed, original container in a dry, cool well ventilated area out of 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 empty containers in a local authority landfill. If not 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 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

ALWAYS READ AND FOLLOW THE LABEL INSTRUCTIONS AND WARNINGS

National Exposure Standards:

Picloram Acid: HOHSC TWA is 10 mg/m³

Biological Limit Values:

No biological limit allocated

Engineering Controls:

No special requirements. Product is used outdoors

Personal Protective Equipment: When preparing spray wear:

- cotton overalls buttoned to the neck and wrists
- a washable hat
- elbow-length PVC gloves
- a face shield or goggles.

If product is in eyes, wash it out immediately with water. Wash hands after use. After each day's use, wash gloves, face shield or goggles and contaminated clothing.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear brown liquid	Boiling Point:	> 150°C
pH:	-	Solubility:	Emulsifiable
Vapour Pressure:	3.6 x 10 ⁻⁶ mgHg (triclopyr BE) 6.15 x 10 ⁻⁷ mgHg (picloram acid)	Specific Gravity:	1.12

Flash Point:	82°C	Explosive Properties:	Not available
Upper and Lower Flammable (Explosive) Limits in Air:	Not available	Oxidising Properties:	Not available
		Combustibility:	Combustible C1

Section 10: STABILITY AND REACTIVITY

Chemical Stability:	Combustible. Stable under normal storage conditions.
Incompatible Materials:	Avoid oxidizing materials and strong acids.
Hazardous Decomposition Products:	Hydrogen chloride, cyanide compounds and/or nitrogen, carbon and sulphur may be formed if product involved in fire.
Hazardous Reactions:	Not applicable.

Section 11: TOXICOLOGICAL INFORMATION

Health Effects from Likely Routes of Exposure:		
Acute:	Oral toxicity:	Low toxicity if swallowed. LD ₅₀ (rat) > 2000mg/kg .
	Dermal toxicity:	Low toxicity. LD ₅₀ (rabbit) > 2000mg/kg .
	Inhalation:	Low toxicity.
	Skin irritation:	Prolonged contact with the concentrate may cause irritation.
	Eye irritation:	The concentrate may cause moderate irritation to the eyes.
	Sensitisation:	Prolonged or frequent repeated skin contact may cause allergic skin reactions in some individuals.
Chronic :	Picloram and Triclopyr was not mutagenic, carcinogenic or teratogenic (at less than maternally toxic doses) and did not show reproductive effects in animal studies (at less than maternally toxic doses).	

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity:	<p>Picloram is moderately toxic to aquatic organisms. LC₅₀ (96 h) 5.5 mg/L rainbow trout LC₅₀ 34.4 mg/L daphnia EC₅₀ 36.9 mg/L Selenastrum</p> <p>Triclopyr is of moderate toxicity to aquatic organisms LC₅₀ (96 h) 117 mg/L rainbow trout LC₅₀ (48 h) 133 mg/L daphnia EC₅₀ (5 days) 45 mg/L Selenastrum</p> <p>Picloram is practically non-toxic to birds LD₅₀ > 2000 mg/kg chicks</p> <p>Triclopyr is of low toxicity to birds LD₅₀ 1698 mg/kg Mallard ducks</p>
Persistence and Degradability:	<p>Picloram is quickly degraded by light and more slowly in soil with half-lives of 30 to 90 days.</p> <p>Triclopyr has a half life in soil of approx 46 days</p>
Mobility	Picloram has a high potential for mobility in soil
Bioaccumulative Potential:	<p>Picloram has a moderate potential for bioaccumulation.</p> <p>Triclopyr has a moderate potential for bioaccumulation.</p>

Section 13: DISPOSAL CONSIDERATIONS

Disposal Methods and Containers:	<p>Store in the closed, original container in a dry, cool well ventilated area out of 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 empty containers in a local authority landfill. If not 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.</p>
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:	2X
Subsidiary Risk:	None allocated		

SEA TRANSPORT Class 9 IMDG			
UN Number:	3082	Packing Group:	III
UN Proper Shipping Name:	Environmentally Hazardous Substance, Solid, N.O.S. (picloram and triclopyr)	Special Precautions for User:	None
Class:	9	Hazchem Code:	2X
Subsidiary Risk:	None allocated	Marine Pollutant:	Marine pollutant

AIR TRANSPORT Class 9 ICAO / IATA			
UN Number:	3082	Packing Group:	III
UN Proper Shipping Name:	Environmentally Hazardous Substance, Solid, N.O.S. (picloram and triclopyr)	Special Precautions for User:	None
Class:	9	Hazchem Code:	2X
Subsidiary Risk:	None allocated		

Section 15: REGULATORY INFORMATION

APVMA Product Number:	61648
Poisons Schedule (SUSDP):	Schedule 6

Section 16: OTHER INFORMATION

Date of preparation or last revision: May 2007
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 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.

®Registered trademark of a Syngenta Group Company