

SAFETY DATA SHEET

Section 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name:	INNOVA FLUROXYPYR 200 HERBICIDE
Other Names:	Product code: A15794A
Recommended Use:	Broadleaf Herbicide
Company Details:	Syngenta Crop Protection Pty Limited ABN 33 002 933 717
Address:	Level 1, 2-4 Lyonpark 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
Risk Phrases:	R65: Harmful. May cause lung damage if swallowed.
Safety Phrases:	—

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE	
Chemical Identity of Pure Substance:	Fluroxypyr
Synonym:	ASF855
CAS Number:	81406-37-3

MIXTURE		
Chemical Identity of Ingredients	CAS No	Proportion (% w/v)
Fluroxypyr methylheptyl ester	81406-37-3	20
Hydrocarbon liquid	64742-94-5	586
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: DO NOT induce vomiting. Give a glass of water. DO NOT give anything by mouth to an unconscious person.</p> <p>Eye contact: Hold eyes open and rinse slowly and gently with water for 10 to 15 minutes. Remove contact lenses, if present, after the first 5 minutes and then continuing rinsing eyes.</p> <p>Skin contact: Remove contaminated clothing. Rinse skin immediately with water for 15 minutes.</p> <p>Inhalation: Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. Keep patient warm and at rest.</p>
Poisoning Symptoms:	Poisoning symptoms observed for laboratory animals were non-specific
Medical Advice:	There is no specific antidote available. Treat symptomatically

Section 5: FIRE FIGHTING MEASURES

Suitable Extinguishing Media:	Preferred extinguishing media are carbon dioxide, dry chemical, foam, water fog.
Hazards from Combustion Products:	Combustible liquid. Fire decomposition products may form toxic and corrosive mixtures in confined spaces.
Special Protective Precautions and Equipment for Fire Fighters:	When fighting a major fire wear self-contained breathing apparatus and protective equipment.

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, soil, diatomaceous earth or vermiculite). (5) Shovel the absorbed spill into drums. (6) 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:	<p>Avoid contact with eyes and skin. When opening the container, preparing the spray and using the prepared 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>Wash hands after use. After each day's use, wash gloves, face shield or goggles and contaminated clothing.</p>
Conditions for Safe Storage:	<p>Store in the closed, original container in a dry, cool well ventilated area out of direct sunlight.</p>

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

ALWAYS READ AND FOLLOW THE LABEL INSTRUCTIONS AND WARNINGS

National Exposure Standards:	No exposure standards allocated
Biological Limit Values:	No exposure standards allocated
Engineering Controls:	No special requirements. Product is used outdoors
Personal Protective Equipment:	<p>Avoid contact with eyes and skin. When opening the container, preparing the spray and using the prepared 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>Wash hands after use. After each day's use, wash gloves, face shield or goggles and contaminated clothing.</p>

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Brown to black coloured liquid.	Boiling Point/Range:	No data
Odour:	No data	Freezing/Melting Point:	Liquid at normal temperature
pH:	No data	Solubility:	Emulsifiable in water
Vapour Pressure:	135×10^{-3} mPa @ 20°C	Specific Gravity or Density:	Approx.1.1
Flash Point:	Combustible	Explosive Properties:	No data
Upper and Lower Flammable (Explosive) Limits in Air:	No data	Oxidising Properties:	No data
Ignition Temperature:	No data	Combustibility:	Combustible (C1)
		Corrosiveness:	Not corrosive

Section 10: STABILITY AND REACTIVITY

Chemical Stability:	This product is unlikely to react or decompose under normal storage conditions.
Conditions to Avoid:	This product should be kept in a cool place, preferably below 30C. Protect this product from light. Store in the closed original container in a dry, cool, well-ventilated area out of direct sunlight.
Incompatible Materials:	Strong oxidizing agents.
Hazardous Decomposition Products:	Under fire conditions, oxides of nitrogen, hydrogen chloride, and hydrogen fluoride may be produced.
Hazardous Reactions:	None known Hazardous polymerisation does not occur

Section 11: TOXICOLOGICAL INFORMATION

Health Effects from Likely Routes of Exposure:

Acute:	Oral toxicity:	Low toxicity Fluroxypyr ai: LD ₅₀ = > 5,000 mg/kg (rat)
	Dermal toxicity:	Low toxicity Fluroxypyr ai: LD ₅₀ = > 2,000 mg/kg (rabbit)
	Inhalation:	Low toxicity Fluroxypyr ai: LC ₅₀ (4 hours) = >1 mg/L (rat)
	Skin irritation:	Non irritant (fluroxypyr ai rabbit)
	Eye irritation:	Moderate irritant (fluroxypyr ai rabbit)
	Sensitisation:	Not sensitising (fluroxypyr ai guinea pig)
Chronic:	Fluroxypyr technical has been tested on laboratory mammals and in test-tube systems. No evidence of carcinogenic, mutagenic, teratogenic or reproductive effects was obtained.	

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity:	Harmful to aquatic organisms. LC ₅₀ (96 hours) > 100 mg/L Rainbow Trout (Fluroxypyr ai) EC ₅₀ (48 hours) > 100 mg/L Water Flea (Fluroxypyr ai) EC ₅₀ (72 hours) > 100 mg/L Green Algae (Fluroxypyr ai) Low toxicity to birds and bees.
Persistence and Degradability:	This product is not persistent in soil. Degradation is primarily via microorganisms and hydrolysis
Mobility	Fluroxypyr is moderately mobile

Section 13: DISPOSAL CONSIDERATIONS

Disposal Methods and Containers:	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.
Special Precautions for Landfill or Incineration:	Not applicable

Section 14: TRANSPORT INFORMATION

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

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

Section 15: REGULATORY INFORMATION

APVMA Product Number:	61651
Poisons Schedule (SUSDP):	5

Section 16: OTHER INFORMATION

Date of preparation or last revision: July 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.

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