SAFETY DATA SHEET

AGPRO LAMBDA CYTHALOTHRIN

Issue Date: 11/04/2018

1. SUBSTANCE IDENTIFICATION:

AGPRO Lambda Cyhalothrin

SUPPLIER NAME:	AGPRO NZ Ltd		
SUPPLIER CODE:	None		
SUPPLIER ADDRESS:	10 Polaris Place, East Tamaki, Auckland		
SUPPLIER PHONE:	09 273 3456	SUPPLIER FAX:	09 273 3457
EMERGENCY PHONE:	0800 POISON		

2. HAZARDS IDENTIFICATION:

HAZARD CLASSES:

6.1B; Danger. May be fatal if inhaled.
6.1C. Danger. Toxic if swallowed.
6.1E. Warning. May be harmful in contact with skin.
6.3B; Warning. May cause skin irritation.
6.4A; Warning. May cause eye irritation.
6.9A; Warning. May cause neurotoxicity and lung damage from repeated oral exposure at high doses.
9.1A; Warning. Very toxic to the aquatic environment.
9.3B; Toxic to terrestrial vertebrates.
9.4A; Warning. Very toxic to terrestrial invertebrates.

3. COMPOSITION/INFORMATION ON INGREDIENTS:

COMMON NAME	CAS NUMBER	CONCENTRATION
lambda-cyhalothrin	91465-08-6	24.27%
Other ingredients		75.73%

4. FIRST-AID MEASURES:

EYE CONTACT:	Immediately flush with flowing water for 15 minutes. Seek medical attention if irritation occurs.
SKIN CONTACT:	Remove contaminated clothing. Wash with plenty of soap and flowing water for at least 15 minutes. Wash clothing before reuse.
INHALATION:	If ill effects occur, move victim to fresh air. If ill effects persist, seek medical attention.
INGESTION:	Flush mouth immediately and drink plenty of water if able. Seek medical advice. Do not induce vomiting.
NOTES TO DOCTOR:	No specific antidote. Treat symptomatically. Patients suffering a temporary allergic reaction may respond to treatment with anti-histamines or steroid creams and/or systemic steroids. Skin contact paraesthesia (itching, tingling, burning or numbness) are transient.

5. FIRE FIGHTING MEASURES:

FLASHPOINT:	> 100 °C
FLAMMABLE LIMITS:	Not flammable.
EXTINGUISHING MEDIA:	Dry chemical, Foam, CO_2, Soft stream water spray.
THERMAL DECOMPOSITION PRODUCTS:	Oxides of Carbon, Hydrogen chloride, Chlorine, Hydrogen, nitrile.
SPECIAL FIRE FIGHTING METHODS:	Self contained breathing apparatus and chemical protective clothing should be used. Do not allow run off from fire fighting to enter water courses or drains.
UNUSUAL FIRE OR EXPLOSION HAZARDS:	None

6. ACCIDENTAL RELEASE MEASURES

Use appropriate protective equipment. Clear area of unnecessary personnel. Spills may be slippery and should be cleaned up immediately. Large spill: Dike and pump as much as possible to a salvage container. Absorb the remaining liquid and any small spills with clay granules, sand or other absorbent material and sweep to a waste container. Cover the spill area with water and absorb. Minimise runoff into waterways or drains.

7. HANDLING AND STORAGE:

Store in original container, tightly closed, away from foodstuffs, seeds and fertilisers. Keep out of reach of children. Wash protective clothing daily after work.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

EXPOSURE LIMITS:	Not set.
EYE PROTECTION:	Where eye contact is possible, use chemical splash goggles.
RESPIRATORY PROTECTION:	Where inhalation is possible, wear appropriate respiratory gear.
PROTECTIVE CLOTHING:	Wear suitable protective clothing depending on likely exposure – e.g. overalls, gloves, boots (all chemically resistant).
VENTILATION:	General (mechanical) room ventilation is considered satisfactory.
HYGIENE PROTECTION:	Do not eat, drink or smoke while working with this product. Remove clothing that becomes contaminated and wash before reuse. Wash hands before breaks and after work.

9. PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE/STATE/ODOUR:	Off white liquid with slight odour.		
BOILING POINT:	Not applicable.	pH:	7.0 – 8.5
DENSITY:	1.03 g/cm^3	SETTING POINT:	Not available.
DECOMPOSITION TEMP:	Not available.	AUTOIGNITION POINT:	Not applicable.
FLASHPOINT:	Non-flammable.	VAPOUR DENSITY:	Not available.
EXPLOSION PROPERTIES:	None.	VAPOUR PRESSURE:	Not available.
SOLUBILITY	Forms a suspension in water.		
OTHER DATA:	None.		

10. STABILITY AND REACTIVITY:

CONDITIONS TO AVOID:	Heat and light.
MATERIALS TO AVOID:	None known.
HAZARDOUS DECOMPOSITION PRODUCTS:	None known.

11. TOXICOLOGICAL INFORMATION:

The following information is presented in respect to the active ingredient:

ACUTE ORAL:	LD_{50} (Rat) 56 - 79 mg/kg
ACUTE DERMAL:	LD_{50} (Rat) 1293 - 1507 mg/kg
ACUTE INHALATION:	LC_{50} (Rat) 0.06 mg/L
OTHER TOXICITY INFORMATION:	Slight eye irritation

12. ECOLOGICAL INFORMATION:

The following information is presented in respect to the active ingredient:

ECOTOXIC EFFECTS:	Birds:	Acute oral LD_{50} > 3950 mg/kg (Mallard duck).
		Dietary: LC_{50} > 5000 mg/kg (Quail).
	Fish:	LC_{50} 96 hr 0.24 µg/L (Rainbow Trout).
	Daphnia:	EC_{50} 48 hr 0.36 µg/L.
	Bees:	Acute oral LD_{50} 38 µg/bee.
		Contact LD_{50} > 909 µg/bee.

13. DISPOSAL CONSIDERATIONS:

Triple rinse container and add residue to spray tank. Burn the container if circumstances, especially wind direction permit. Otherwise bury in an approved landfill. Avoid contamination of any water supply with chemical or empty container. Do not use the container for any other purpose.

14. TRANSPORT INFORMATION:

PROPER SHIPPING NAME:	Environmentally Hazardous Substance, Liquid, N.O.S, (contains Lambda Cyhalothrin)
DG CLASS:	6.1
UN NUMBER:	3352
HAZCHEM:	2X

15. REGULATORY INFORMATION:

HSNO APPROVAL CODE:	HSR100578
HSNO Controls:	See www.epa.govt.nz for controls.
APPROVED HANDLER:	Required.
TRACKING:	Required.
RECORD KEEPING:	Records must be kept for 3 years
ACVM Registration:	P008672
ACVM Controls:	See www.nzfsa.govt.nz/acvm for registration conditions.

16. OTHER INFORMATION:

The data given here is based on current knowledge and experience. The purpose of this safety data sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the product properties.