

AGPRO SAFETY DATA SHEET

DIRECT

AGPRO BIFENTHRIN

Issue Date: 20/03/2018

1. SUBSTANCE IDENTIFICATION:

AGPRO Bifenthrin

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:

6.1D; Warning. Harmful if swallowed, inhaled or absorbed through the skin.
6.5B; Substance that is respiratory sensitiser.
6.9B; Warning. Presumed to cause damage to the nervous system from repeated oral exposure at high doses.
9.2C; Harmful to the soil environment.
9.3B; Toxic to terrestrial vertebrates.
9.4A; Warning. Very toxic to terrestrial invertebrates (Toxic to Bees).

3. COMPOSITION/INFORMATION ON INGREDIENTS

COMMON NAME	CAS NUMBER	CONCENTRATION
bifenthrin	82657-04-3	7.84%
other ingredients		92.16%

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. For skin contact, a topical application of Vitamin E cream has a therapeutic value.

5. FIRE FIGHTING MEASURES:

FLASHPOINT: >100 °C
FLAMMABLE LIMITS: Not flammable
EXTINGUISHING MEDIA: Soft stream water fog, Foam, CO₂ or dry chemical.
THERMAL DECOMPOSITION PRODUCTS: Carbon oxides, hydrogen chloride, chlorine, fluorine and hydrogen
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: Slightly combustible.

6. ACCIDENTAL RELEASE MEASURES

Use appropriate protective equipment to prevent skin and eye contact as well as inhalation. 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:	White to beige liquid with a slight odour.	pH:	7.0 – 9.0
BOILING POINT:	Not applicable	SETTING POINT:	Not available
DENSITY:	1.02 g/mL at 20 °C	AUTOIGNITION POINT:	Not flammable
DECOMPOSITION TEMP:	Not available	VAPOUR DENSITY:	Not available
FLASHPOINT:	> 100 °C	VAPOUR PRESSURE:	Not available
EXPLOSION PROPERTIES:	Stable		
SOLUBILITY:	Forms a suspension in water		
OTHER DATA:	None		

10. STABILITY AND REACTIVITY:

CONDITIONS TO AVOID:	Extreme heat
MATERIALS TO AVOID:	Oxidising agents
HAZARDOUS DECOMPOSITION PRODUCTS:	None specific

11. TOXICOLOGICAL INFORMATION:

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

ACUTE ORAL:	LD ₅₀ (Rat) 300 – 2000 mg/kg
ACUTE DERMAL:	LD ₅₀ (Rat) > 2000 mg/kg
ACUTE INHALATION:	LC ₅₀ (Rat) > 1.65 mg/L
OTHER TOXICITY INFORMATION:	Mildly irritating to skin and eyes

12. ECOLOGICAL INFORMATION:

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

ECOTOXIC EFFECTS:	Birds: Acute oral LD ₅₀ 2150 mg/kg (Bobwhite quail). Dietary: LC ₅₀ 1280 mg/kg (Mallard duck).
	Fish: LC ₅₀ 96 hr 0.00015 mg/L (Rainbow Trout).
	Daphnia: LC ₅₀ 48 hr 0.00016 mg/L.
	Bees: Acute oral LD ₅₀ 0.1 µg/bee. Contact LD ₅₀ 0.01462 µg/bee.
ENVIRONMENTAL FATE:	Moderate soil persistence. DT ₅₀ (20 °C) 65 - 125 days. Potential for Bioaccumulation in aquatic species.
ENVIRONMENTAL EXPOSURE LIMIT:	Water – 0.05 ng/L

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. (bifenthrin)
DG CLASS:	9
UN NUMBER:	3082
HAZCHEM:	3Z



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15. REGULATORY INFORMATION:

HSNO APPROVAL CODE:	HSR100789
HSNO Controls:	See www.epa.govt.nz for controls.
APPROVED HANDLER:	Required.
TRACKING:	Not required.
RECORD KEEPING:	Records must be kept for 3 years
ACVM Registration:	P008737
ACVM Controls:	See www.foodsafety.govt.nz 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.