

# AGPRO SAFETY DATA SHEET

DIRECT

## AGPRO FAIRWAY

Issue Date: 20/03/2018

### 1. SUBSTANCE IDENTIFICATION:

#### AGPRO Fairway

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:

3.1D. Warning Combustible liquid.  
6.1D. Warning. May be harmful if swallowed, inhaled or absorbed through skin.  
6.3B. Warning. May cause mild skin irritation.  
6.7B. Warning. Suspected of causing cancer via route of exposure.  
6.9A. Danger. May cause organ damage from repeated oral exposure at high doses.  
8.3A. Danger. May cause serious eye damage.  
9.1A; Warning. Very toxic to the aquatic environment.  
9.2A; Warning. Very toxic to the soil environment.  
9.3B; Toxic to terrestrial vertebrates.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS:

COMMON NAME	CAS NUMBER	CONCENTRATION (g/L)
MCPA (K salt)	94-74-6	300
Clopyralid	1702-17-6	20
Diflufenican	83164-33-4	15
Other ingredients		665

### 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. In the event of a mouthful or more being ingested, the following measures should be considered. Treat large intakes with gastric lavage, and charcoal administration. Observe specific parameters: blood pressure, levels of MCPA in plasma and urine, pH in urine. Elimination by dialysis (forced alkaline diuresis).

### 5. FIRE FIGHTING MEASURES:

FLASHPOINT: 66 degrees C  
FLAMMABLE LIMITS: Not flammable.  
EXTINGUISHING MEDIA: Dry chemical, Foam, CO<sub>2</sub>, Water mist.  
THERMAL DECOMPOSITION PRODUCTS: Oxides of Carbon and Nitrogen, hydrogen fluoride and hydrogen chloride.  
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, user 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:	Viscous light brown liquid with slight sweet odour.		
BOILING POINT:	Not available.	pH:	6.5-7.0
DENSITY:	1.17g/ml	SETTING POINT:	Not available
DECOMPOSITION TEMP:	Not available.	AUTOIGNITION POINT:	Not available.
FLASHPOINT:	66 degrees C.	VAPOUR DENSITY:	Not available.
EXPLOSION PROPERTIES:	None.	VAPOUR PRESSURE:	Not available.
SOLUBILITY:	Dispersible in water.		
OTHER DATA:	None.		

**10. STABILITY AND REACTIVITY:**

CONDITIONS TO AVOID: Heat, direct sunlight.  
MATERIALS TO AVOID: None known.  
HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of Carbon and Nitrogen, hydrogen fluoride, hydrogen chloride.

**11. TOXICOLOGICAL INFORMATION:**

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

ACUTE ORAL:	LD50 rat: 2675 – 3738 mg/kg (Clopyralid) LD50 rat: 900 – 1160 mg/kg (MCPA) LD50 rat: > 2000 mg/kg (Diflufenican)
ACUTE DERMAL:	LD50 rabbit: >2000 mg/kg (Clopyralid) LD50 rat: >4000 mg/kg (MCPA) LD50 rat: > 2000 mg/kg (Diflufenican)
ACUTE INHALATION:	LC50 (4 h) rat: >0.38 mg/L (Clopyralid) LC50 (4 h) rat: >6.36 mg/L (MCPA) LC50 (4 h) rat: > 2.34 mg/L (Diflufenican)
OTHER TOXICITY INFORMATION:	Mild skin irritation, severe eye irritation.

**12. ECOLOGICAL INFORMATION:**

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

ECOTOXIC EFFECTS:	Birds:	Technical MCPA: Acute oral LD <sub>50</sub> : 377 mg/kg bobwhite quail. Technical Clopyralid: Acute oral LD <sub>50</sub> : >2000 mg/kg bobwhite quail. Technical Diflufenican: Acute oral LD <sub>50</sub> : >2150 mg/kg bobwhite quail.
	Fish:	Technical MCPA: LC <sub>50</sub> : 232 mg/L (96 h) Rainbow trout. Technical Clopyralid: LC <sub>50</sub> : 103.5 mg/L (96 h) Rainbow trout. Technical Diflufenican: LC <sub>50</sub> : 56-100 mg/L (96 h) Rainbow trout.
	Daphnia:	Technical Clopyralid: EC <sub>50</sub> (48hr) 225 mg/L Technical Diflufenican: LC <sub>50</sub> (48hr) no effect at 10 mg/L Technical MCPA: LC <sub>50</sub> >100 mg/L
	Algae:	Technical Clopyralid: EC <sub>50</sub> (96hr) <i>Selenastrum capricornutum</i> cell count 6.9 mg/L Technical Diflufenican: No growth inhibition of algae at 10 mg/L Technical MCPA: LC <sub>50</sub> (algae) 0.21 mg/L.
	Bees:	Technical clopyralid: Non-toxic to bees. Technical Diflufenican: Non-toxic by ingestion or contact. Technical MCPA: LD <sub>50</sub> 0.104 mg/bee.
ENVIRONMENTAL FATE:		Diflufenican half life varies from 15 to 30 weeks depending on soil type and water content. MCPA – duration of residual activity in soil is c. 3 to 4 months following an application of 3kg/ha.

**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.
DG CLASS:	9
UN NUMBER:	3082
HAZCHEM:	2X

**15. REGULATORY INFORMATION:**

HSNO APPROVAL CODE:	HSR100775
HSNO Controls:	See <a href="http://www.epa.govt.nz">www.epa.govt.nz</a> for controls.
APPROVED HANDLER:	Yes.
TRACKING:	Not required.
RECORD KEEPING:	Records must be kept for 3 years

**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.