



# SAFETY DATA SHEET

AGPRO NZ Limited  
PO Box 58-963,  
Greenmount, AUCKLAND  
Ph: 09 273 3456 Fax: 09 273 3457  
Website: www.agpro.co.nz  
This SDS consists of 16 sections.

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Effective Date: 10/02/10

## AGPRO 2,4-D Ester 680

### 1. SUBSTANCE IDENTIFICATION:

#### AGPRO 2,4-D Ester 680

SUPPLIER NAME: AGPRO NZ Limited  
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  
CHEMICAL FAMILY: USE: Herbicide

### 2. HAZARDS IDENTIFICATION:

Hazard Classes: 6.1D, 6.3B, 6.5B, 6.9A, 9.1A, 9.2A, 9.3C  
Refer to Section 15 for ERMA Requirements.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

COMMON NAME	CAS NUMBER	CONCENTRATION
2,4-D Ethylhexyl Ester	1928-43-4	89.8%
Balance		to 100%

### 4. FIRST - AID MEASURES:

EYE CONTACT: Immediately flush with flowing water for at least 15 minutes. Seek medical attention if irritation occurs.  
SKIN CONTACT: Wash with plenty of soap and flowing water for at least 15 minutes while removing contaminated clothing. Wash clothing before reuse.  
INHALATION: If ill-effects occur, move the victim to fresh air. If ill-effects persist, consult a doctor.  
INGESTION: Do not induce vomiting. Wash out mouth with water. Call a doctor immediately.  
NOTES TO DOCTOR: No specific antidote.

### 5. FIRE FIGHTING MEASURES:

FLASHPOINT: >103°C  
FLAMMABLE LIMITS: Not determined.  
EXTINGUISHING MEDIA: Dry chemical, water spray (fog), foam or carbon dioxide.  
THERMAL DECOMPOSITION PRODUCTS: Include oxides of carbon and nitrogen.  
SPECIAL FIRE FIGHTING METHODS: Addition of water may cause excessive foaming. Vapours may be toxic. Self contained breathing apparatus required. Do not allow contaminated runoff to enter 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:

Do not mix or store in galvanised or unlined steel. Store in original container, tightly closed, away from foodstuffs, seeds, fertilisers and pesticides. Keep out of reach of children. Wash protective clothing daily after work.



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### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

EXPOSURE LIMITS: Not established by OSHA.  
EYE PROTECTION: Where eye contact is likely, use chemical splash goggles.  
RESPIRATORY PROTECTION: Air respirator with organic vapour canister or self contained breathing apparatus when exposed to vapours from heated material.  
PROTECTIVE CLOTHING: Where contact is likely, wear chemical-resistant (such as nitrile or butyl) gloves, coveralls, socks and chemical-resistant footwear.  
VENTILATION: General (mechanical) room ventilation is considered satisfactory.  
HYGIENE PRECAUTIONS: Do not eat drink or smoke while working with this product. Remove clothing that becomes soaked or contaminated and wash before reuse. Wash hands before breaks and after work. The use of a skin barrier cream is useful to give additional skin protection.

### 9. PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE / STATE / ODOUR: Amber Liquid.  
BOILING POINT: 317 °C. pH: 3.4 (1% w/v solution)  
DENSITY: 1.152 g/mL @ 20 °C. SETTING POINT: Not Available.  
DECOMPOSITION TEMP: Not Available. AUTOIGNITION TEMP: Not Available.  
FLASHPOINT: Not Available. VAPOUR DENSITY: Not Available.  
EXPLOSION PROPERTIES: Not Applicable. VAPOUR PRESSURE: Not Available.  
SOLUBILITY: Miscible in water.  
OTHER DATA:  
OCTANOL / WATER PARTITION COEFFICIENT: Not Applicable.

### 10. STABILITY AND REACTIVITY:

CONDITIONS TO AVOID: Stable under normal storage conditions. Not flammable.  
MATERIALS TO AVOID: Acid, base, oxidizing material.  
HAZARDOUS DECOMPOSITION PRODUCTS: Noxious fumes under fire conditions – hydrogen, chloride and others.

### 11. TOXICOLOGICAL INFORMATION:

ACUTE ORAL: LD50 (rats) 896 mg/kg.  
ACUTE DERMAL: LC50 (rabbit) >4000 mg/Kg.  
ACUTE INHALATION: No adverse effects are anticipated from single exposure to vapor or mist.  
OTHER TOXICITY INFORMATION:

### 12. ECOLOGICAL INFORMATION:

AQUATIC TOXICITY: LC50 (algae) <1 mg/L. (Highly toxic)  
SOIL TOXICITY: Unknown.  
TERRESTRIAL VERTEBRATES - BIRDS: LD50 between 501 and 2000 mg/kg.  
TERRESTRIAL INVERTEBRATES - BEES: LC50 > 5000 ppm.

### 13. DISPOSAL CONSIDERATIONS:

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



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### 14. TRANSPORT INFORMATION:

PROPER SHIPPING NAME: ENVIRONMENTALLY HAZARDOUS  
SUBSTANCE, LIQUID, N.O.S.  
(2,4-D ESTER)  
DG CLASS: 9  
UN NUMBER: 3082  
HAZCHEM: 2X  
PACK GROUP: III

### 15. REGULATORY INFORMATION:

APPROVED HANDLER: This product must be under the control of an approved handler during use.  
See the ERMA Website for more details: [www.ermanz.govt.nz](http://www.ermanz.govt.nz)  
ERMA Approval Code: HSR000962.  
ACVM Pesticide Number: P007861.

### 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 products' properties.