

AGPRO SAFETY DATA SHEET

AGPRO 2,4-D ESTER 680

Issue Date: 01/08/2017

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
EMERGENCY PHONE: 0800 POISON
CHEMICAL FAMILY: Phenoxy acetic
USE: Herbicide

SUPPLIER FAX: 09 273 3457

2. HAZARDS IDENTIFICATION:

HAZARD CLASSES: 6.1D, 6.3B, 6.5B, 6.9A, 9.1A, 9.2A, 9.3C
Refer to Section 15 for EPA 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.

AGPRO DIRECT SAFETY DATA SHEET

AGPRO 2,4-D ESTER 680

Issue Date: 01/08/2017

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.
HYGENE 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	pH:	3.4 (1% w/v solution)
BOILING POINT:	317°C.	SETTING POINT:	Not Available.
DENSITY:	1.152 g/mL @ 20°C.	AUTOIGNITION TEMP:	Not Available.
DECOMPOSITION TEMP:	Not Available.	VAPOUR DENSITY:	Not Available.
FLASHPOINT:	Not Available.	VAPOUR PRESSURE:	Not Available.
EXPLOSION PROPERTIES:	Not Applicable.		
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.



AGPRO SAFETY DATA SHEET

AGPRO 2,4-D ESTER 680

Issue Date: 01/08/2017

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 EPA website for more details:	www.epa.govt.nz
EPA 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.