

1. SUBSTANCE IDENTIFICATION:**AGPRO 2,4-D Amine 800 WSG**

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
USE: Non-volatile 2,4-D water soluble granules for broadleaf weed control in cereals and pasture.

2. HAZARDS IDENTIFICATION:

HAZARD CLASSES: 6.1D, 6.1E, 6.3B, 6.4A, 6.5B, 6.9A, 9.1A, 9.1B, 9.2A, 9.3B
TOXICITY: Harmful - may be harmful if swallowed, inhaled or absorbed through the skin. May cause mild skin irritation. May cause organ damage from repeated oral exposure at high doses.
CORROSIVE: Danger - this product is corrosive and may cause eye damage.
ECOTOXIC: Toxic to aquatic organisms with long-lasting effects. Selective herbicide - very toxic to some plant species. Toxic to terrestrial vertebrates.

3. COMPOSITION / INFORMATION ON INGREDIENTS:

COMMON NAME	CAS NUMBER	CONCENTRATION
2,4-D (present as the dimethylanime salt)	2008-39-1	800g/kg
Balance		to 100%

4. FIRST - AID MEASURES:

EYE CONTACT: Flush eyes with plenty of water for 15 minutes holding eyelids open if necessary. Seek medical assistance.
SKIN CONTACT: Immediately flush body and clothes with large amounts of water. Remove contaminated clothing and footwear. Wash affected areas with soap and water. If a large area is affected seek medical assistance.
INHALATION: Remove patient to fresh air. Lay down and keep warm and rested. If breathing is shallow or has stopped ensure airway is clear and apply resuscitation. Seek medical assistance immediately
INGESTION: Never give anything by mouth to an unconscious person. If swallowed do NOT induce vomiting. For advice, contact the National Poisons Centre (0800 764 766). Seek medical assistance immediately. Do not induce vomiting. Wash out mouth with water. Call a doctor immediately.
NOTES TO DOCTOR: Treat symptomatically.

5. FIRE FIGHTING MEASURES:

FLASHPOINT: Not determined.
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.

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: Yellow brown granule.
BOILING POINT: Not Applicable. pH: 6.5 to 7.5 (1% w/v solution)
DENSITY: >680kg/m³ 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: 1.9 x 10⁻⁵ Pa (2,4-D acid, 25°C)
SOLUBILITY: Soluble in water.
OTHER DATA:
OCTANOL / WATER PARTITION COEFFICIENT: Kow Log P is -1.01 (pH9, 25°C)

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 (rat) 625 mg/kg for 2,4-D dimethylamine salt
ACUTE DERMAL: LD50 (rat) 2,115 mg/kg for 2,4-D dimethylamine salt
ACUTE INHALATION: LC50 (rat) (4hr) >3.5 mg/l for 2,4-D dimethylamine salt
OTHER TOXICITY INFORMATION:

12. ECOLOGICAL INFORMATION:

AQUATIC TOXICITY: LC50 (96hr) for zebrafish is >1000 mg/l for formulated product
LC50 (96hr) for rainbow trout is 100 mg/l for 2,4-D dimethylamine salt
LC50 (48hr) for daphnia is >1,128 mg/l for the formulated product.
SOIL TOXICITY: Unknown.
TERRESTRIAL VERTEBRATES - BIRDS: Not toxic to birds. Oral LD50 bobwhite quail is 500mg/kg for 2,4-D dimethylamine salt
TERRESTRIAL INVERTEBRATES - BEES: Not toxic to bees. LD50 (contact) >100Ng/bee, (oral) c. 94Ng/bee for 2,4-D dimethylamine salt

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 AMINE 800WSG

Issue Date: 01/08/2017

14. TRANSPORT INFORMATION:

PROPER SHIPPING NAME:	ENVIRONMENTALLY HAZARDOUS, SUBSTANCE, SOLID, N.O.S., (2,4-D 80%)
DG CLASS:	9
UN NUMBER:	3077
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:	HSR100573
ACVM Pesticide Number:	P008604

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'