

AGPRO DIRECT SAFETY DATA SHEET

AGPRO BENTAZONE

Issue Date: 20/03/2018

1. SUBSTANCE IDENTIFICATION:

AGPRO Bentazone

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.
6.4A; Warning. May cause moderate eye irritation.
6.5B; Warning. May cause an allergic skin reaction.
9.1C; Harmful to aquatic life with long lasting effects.
9.3C; Harmful to terrestrial vertebrates.

3. COMPOSITION/INFORMATION ON INGREDIENTS:

COMMON NAME	CAS NUMBER	CONCENTRATION
Bentazone	25057-89-0	48.0%
Other ingredients		52.0%

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.

5. FIRE FIGHTING MEASURES:

FLASHPOINT: Non-flammable.
FLAMMABLE LIMITS: None.
EXTINGUISHING MEDIA: Water fog, foam, CO₂, dry extinguishing media.
THERMAL DECOMPOSITION PRODUCTS: Carbon monoxide, nitrogen oxides, sulphur oxides
SPECIAL FIRE FIGHTING METHODS: Self contained breathing apparatus and chemical protective clothing should be used.
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. Wear appropriate protective clothing/equipment. Wash protective clothing daily after work.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

EXPOSURE LIMITS: Not established.
EYE PROTECTION: Where eye contact is possible, use chemical splash goggles.
RESPIRATORY PROTECTION: Not required.
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:	Brown liquid, unusual sweet odour.	pH:	6.5 – 9.5
BOILING POINT:	Not available	SETTING POINT:	Not available
DENSITY:	1.19 g/L	AUTOIGNITION POINT:	Not available
DECOMPOSITION TEMP:	Not available	VAPOUR DENSITY:	Not available
FLASHPOINT:	>90 °C	VAPOUR PRESSURE:	0.17 mPa (technical material)
EXPLOSION PROPERTIES:	None		
SOLUBILITY:	Miscible in water		
OTHER DATA:	Octanol/Water Partition Coefficient – K_{ow} 0.77 (pH 5) -0.46 (pH 7), -0.55 (pH 9) technical material.		

10. STABILITY AND REACTIVITY:

CONDITIONS TO AVOID:	Heat, moisture.
MATERIALS TO AVOID:	Acids.
HAZARDOUS DECOMPOSITION PRODUCTS:	Carbon monoxide, nitrogen oxides, sulphur oxides.

11. TOXICOLOGICAL INFORMATION:

ACUTE ORAL:	LD ₅₀ (Rats) 2152 mg/kg
ACUTE DERMAL:	LD ₅₀ (Rats) >5000 mg/kg
ACUTE INHALATION:	LD ₅₀ (Rats, 4 hr) >6.5 mg/L
OTHER TOXICITY INFORMATION:	Mild irritant to eyes and skin

12. ECOLOGICAL INFORMATION:

The following information is presented in respect to the active ingredient:	
ECOTOXIC EFFECTS:	Birds: Acute oral: LD ₅₀ 1140 mg/kg (Bobwhite quail). Dietary: LC ₅₀ >5000 mg/kg (Mallard duck). Fish: LC ₅₀ 96 hr >100 mg/L (Rainbow Trout and Bluegill sunfish). Daphnia: LC ₅₀ 48 hr 125 mg/L. Algae: EC ₅₀ 72 hr 47.3 mg/L. Bees: Acute oral LD ₅₀ >100 µg/bee. Worms: EC ₅₀ >1000 mg/kg soil.
ENVIRONMENTAL FATE:	Low soil persistence. DT ₅₀ (20 °C) 13.6 days.
PARTITION Co-EFFICIENT (Kow):	0.77 (pH 5) -0.46 (pH 7), -0.55 (pH 9) technical material.
ENVIRONMENTAL EXPOSURE LIMIT:	Not available.

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:

Not classified as a dangerous good under transport regulations: (ADR RID ADNR IMDG/GGVSee ICAO/IATA)	
PROPER SHIPPING NAME:	None.
DG CLASS:	None.
UN NUMBER:	Not applicable.
HAZCHEM:	None.

15. REGULATORY INFORMATION:

HSNO APPROVAL CODE:	HSR000426
HSNO CONTROLES:	See www.epa.govt.nz for controls.
APPROVED HANDLER:	Not required.
TRACKING:	Not required.
RECORD KEEPING:	Records must be kept for 3 years.
ACVM REGISTRATION:	P008606
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.