


AGPRO Flumetsulam 800 WDG

1. SUBSTANCE IDENTIFICATION

SUPPLIER NAME	AGPRO NZ Limited
SUPPLIER ADDRESS	10 Polaris Place, East Tamaki, Auckland 2013 PO Box 58-963, Botany, Auckland 2163
SUPPLIER CONTACT DETAILS	09 273 3456 or freephone 0508 536 536 www.agpro.co.nz
EMERGENCY PHONE	
POISON INFORMATION	0800 POISON (0800 764 766) 24 hours
CHEMICAL EMERGENCY	0800 CHEMICAL (0800 243 622) 24 hours
ACTIVE INGREDIENT(S) AND PRESENTATION	800g/kg flumetsulam in the form of a water dispersible granule.
CHEMICAL FAMILY	Triazolopyrimidines
USE	Herbicide

2. HAZARDS IDENTIFICATION

Classified as Hazardous according to the NZ Environmental Protection Authority criteria.

GHS CLASSIFICATIONS	Hazardous to soil organisms Hazardous to the aquatic environment acute Category 1 Hazardous to the aquatic environment chronic Category 1
HSNO CLASSIFICATIONS	9.1A, 9.2A
SIGNAL WORD	WARNING
PICTOGRAMS	
HAZARD STATEMENTS	H400 Very toxic to aquatic life (acute). H410 Very toxic to aquatic life with long lasting effects (chronic). H421 Very toxic to the soil environment.
PREVENTION STATEMENTS	P102 Keep out of reach of children. P103 Read carefully and follow all instructions. P270 Do not eat, drink or smoke when using this product. P273 Avoid release to the environment.
RESPONSE STATEMENTS	P101 If medical advice is needed, have product container or label on hand. P363 Wash contaminated clothing before reuse. P391 Collect spillage.
STORAGE STATEMENTS	See Section 7.
DISPOSAL STATEMENTS	P501 Dispose of contents/ containers in accordance with relevant regulations. See Section 13.

AGPRO Flumetsulam 800 WDG

3. COMPOSITION / INFORMATION ON INGREDIENTS

COMMON NAME	CAS NUMBER	CONCENTRATION %w/v
Flumetsulam	98967-40-9	800g/kg
Non-hazardous ingredients	-	Balance to 100%

4. FIRST AID MEASURES

For advice call the National Poisons Centre 0800 POISON (0800 764 766) 24 hours or a doctor. If medical advice is needed have product container or label to hand.

EYE CONTACT	Rinse cautiously for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing. If eye irritation occurs, get medical attention/advice.
SKIN (or hair) CONTACT	Remove contaminated clothing and flush skin and hair with running water. If skin irritation occurs, get medical advice/ attention.
INHALATION	Remove to fresh air and keep at rest in a position comfortable for breathing. Apply artificial respiration if not breathing. Call doctor if you feel unwell.
INGESTION	Do NOT induce vomiting. Rinse mouth. Call the POISON CENTRE or a doctor if you feel unwell.
NOTES TO DOCTOR	Treat symptomatically.
FIRST AID FACILITIES	Eye wash facilities and safety shower should be available.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA	Water fog, carbon dioxide or dry chemical. Prevent extinguishing media from entering drains.
THERMAL DECOMPOSITION PRODUCTS	Non-flammable. Thermal decomposition may produce toxic fumes and compound.
SPECIAL FIRE FIGHTING METHODS	Self-contained breathing apparatus with full face-piece and protective clothing. Cool fire exposed containers with water spray.
HAZCHEM CODE	2Z

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	Exclude non-essential people from the area. Wear Personal Protective Equipment (PPE) as detailed in Section 8 of the SDS.
ENVIRONMENTAL PRECAUTIONS	Prevent product from entering waterways or drains.
SPILLS AND DISPOSAL	Generating as little dust as possible, sweep up solid spills and place in a waste container. Wash area with water and absorb with inert material such as attapulgate, soil, etc., and place in a sealed and labelled waste container. Dispose of safely at an approved landfill. See Section 13 for details on disposal.

7. HANDLING AND STORAGE

PRECAUTIONS FOR HANDLING	Carefully read the label before use. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including
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AGPRO Flumetsulam 800 WDG

7. HANDLING AND STORAGE

STORAGE

washing hands and face before eating. Prohibit eating, drinking and smoking in contaminated areas. This product must be under the control of a suitably qualified handler during mixing, loading and use.

Store in original container, tightly closed, in a secure dry, cool and well-ventilated area and avoid direct sunlight. Store away from foodstuffs, fertilisers or seeds. Storage must be in accordance with NZS 8409 Management of Agrichemicals. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Stores containing 100 kg or more of **AGPRO Flumetsulam 800 WDG** require secondary containment, signage and an emergency response plan.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS

Not established.

EYE PROTECTION

Wear eye/face protection.

RESPIRATORY PROTECTION

Respiratory protection is not usually required if good ventilation is maintained. Where an inhalation risk exists, wear a Type A (Organic-Vapour) respirator fitted with a P2 particulate filter for solids.

PROTECTIVE CLOTHING

Wear chemically resistant gloves, coveralls, socks and chemical-resistant footwear.

VENTILATION

Avoid inhalation. Use in a well-ventilated area.

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 and face before breaks and after work.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE / STATE/ ODOUR

White columnar granular

BOILING POINT

Not Applicable

BULK DENSITY

0.85 g/ml @ 25°C

DECOMPOSITION TEMPERATURE

Not Available.

FLASHPOINT

Not Applicable.

EXPLOSION PROPERTIES

Not Applicable.

SOLUBILITY

Not Applicable.

pH (1% solution in water)

5 – 7

SETTING POINT

Not Applicable.

AUTOIGNITION TEMP

Not Applicable.

VAPOUR DENSITY

Not Available.

VAPOUR PRESSURE

Not Available.

VISCOSITY

Not Available.

OCTANOL / WATER PARTITION
COEFFICIENT

Not Available.

AGPRO Flumetsulam 800 WDG

10. STABILITY AND REACTIVITY

STABILITY	Stable under normal storage conditions in original container for two years.
CONDITIONS TO AVOID	None known.
MATERIALS TO AVOID	Strong acids/bases. Oxidising and reducing agents.
HAZARDOUS DECOMPOSITION PRODUCTS	Hazardous polymerisation will not occur. Thermal decomposition may produce toxic fumes and compounds.

11. TOXICOLOGICAL INFORMATION

ACUTE EFFECTS No toxicological data is available for the finished product.

ORAL TOXICITY	Flumetsulam	LD50 (rat) >5000mg/kg
DERMAL TOXICITY	No information	
INHALATION TOXICITY	No information	
EYE CORROSION / IRRITANCY	No information	
SKIN CORROSION / IRRITANCY	No information	

CHRONIC EFFECTS

CARCINOGENICITY	No information
REPRODUCTIVE TOXICITY	No information
GERM CELL MUTAGENICITY	No information
ASPIRATION	No information
STOT/SE	No information
STOT/RE	No information
NARCOTIC EFFECTS	No information

12. ECOLOGICAL INFORMATION

TOXICITY	Very toxic to aquatic life with long lasting effects. Very toxic to the soil environment.
PRECAUTIONS	Qualified Handler: This product must be under the control of a suitably qualified handler during handling, mixing, loading or application. This product must not be applied directly into or onto water. Avoid contamination of any waterways with product or empty container. Selective Herbicide - very toxic to some plant species. Spray Drift Hazard – May cause serious damage to other desirable plants. Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the area of application.
ECOTOXICITY INFORMATION	Flumetsulam EC50 (5 day, Scenedesmus costatum) 0.0032mg/L
BIOACCUMMULATIVE	No information
READILY DEGRADABLE	No

AGPRO Flumetsulam 800 WDG

13. DISPOSAL CONSIDERATIONS

Do not contaminate streams, rivers or waterways with the chemical or the used container.

PRODUCT DISPOSAL

Dispose of by using product as intended, according to the label directions. If this is not possible, for small amounts, absorb with inert, non-combustible absorbent material (attapulgate or similar). Collect and place in a sealable, labelled container and safely dispose of at an approved landfill. For large amounts contact your supplier or chemical recycling facility.

CONTAINER DISPOSAL

Triple rinse container and add residue to spray tank. Return empty container to an Agrecovery collection point for disposal, or puncture and dispose of at an approved facility. Do NOT burn. Do not use the container for any other purpose.

14. TRANSPORT INFORMATION

CLASSIFIED AS A DANGEROUS GOOD ACCORDING TO LAND TRANSPORT RULE: DANGEROUS GOODS 2005, NZS 5433:2020, IMDG OR IATA.



	Land Transport (NZS 5433)	Sea Transport (IMDG / IMO)	Air Transport (IATA / ICAO)
UN Number	3077	3077	3077
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., (contains flumetsulam 80%).	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., (contains flumetsulam 80%).	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., (contains flumetsulam 80%).
Transport Hazard Class	9	9	9
Subsidiary Class	-	-	-
Packing Group	III	III	III
Hazchem	2Z	2Z	-
Marine Pollutant Status		Marine Pollutant	

The Environmentally Hazardous Substance Mark is not required when transported in packages of less than 5kg/L (UN Model Regulations: Special Provision 375; IATA Special Provision A197; IMDG; Special Provision 969)

AGPRO Flumetsulam 800 WDG

15. REGULATORY INFORMATION

ACVM REGISTRATION	P008707 See MPI website for registration conditions www.foodsafety.govt.nz
HAZARDOUS SUBSTANCE APPROVAL CODE	HSR000458 See the EPA website for approval controls www.epa.govt.nz
RECORDS OF APPLICATION	If 3 kg or more of the substance is applied within 24 hours, in a place where the substance is likely to enter the air or water and leave the application area, a PCBU with management or control of the substance must ensure that a written record is kept of each application of the substance.
ADDITIONAL HSNO CONTROLS	None Allocated.

16. OTHER INFORMATION

SDS ISSUE DATE	23 February 2022
SDS REVIEW DATE	February 2027
REFERENCES	Supplier SDS NZ Workplace Exposure Standard and Biological Exposure Indices (Nov 2020) NZ Chemical Classification Information Database NZ EPA Hazardous Substance Approvals and Group Standards Databases University of Hertfordshire: Pesticide Properties Database
ABBREVIATIONS	
ACVM	Agricultural Compounds and Veterinary Medicines
CAS Number	Chemical Abstract Service Number - used to uniquely identify chemical compounds
EPA	Environmental Protection Authority (New Zealand)
g/L	Grams per litre
GHS	Globally Harmonised System
HSNO	Hazardous Substances and New Organisms
LC50	Lethal Concentration, 50% / Median Lethal Concentration
LD50	Lethal Dose, 50% / Median Lethal Dose
mg/m ³	Milligrams per cubic metre
STEL	Short Term Exposure Limit
WES	Workplace Exposure Standard
IMDG/IMO	International Maritime Dangerous Goods / International Maritime Organisation
IATA / ICAO	International Air Transport Association / International Civil Aviation Organisation
TLV	Threshold Limit Value
TWA	Time Weighted Average
OEL	Occupational Exposure Limit

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.

End of Safety Data Sheet