

SAFETY DATA SHEET

AGPRO Meturon

AGPRO

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 CHEMCALL (0800 243 622) 24 hours
ACTIVE INGREDIENT(S) AND PRESENTATION	600g/kg Metsulfuron-methyl in the form of a water dispersible granule
CHEMICAL FAMILY	Sulfonylurea
USE	Herbicide

2. HAZARDS IDENTIFICATION

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

GHS CLASSIFICATIONS	Eye irritation Category 2 Hazardous to the aquatic environment acute Category 1 Hazardous to the aquatic environment chronic Category 1 Hazardous to soil organisms
HSNO CLASSIFICATIONS	6.4A, 9.1A, 9.2A
SIGNAL WORD	WARNING
PICTOGRAMS	
HAZARD STATEMENTS	H319 Causes serious eye irritation. 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. P264 Wash face and hands thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P273 Avoid release to the environment. P280 Wear protective gloves / protective clothing / eye protection / face protection.
RESPONSE STATEMENTS	P101 If medical advice is needed, have product container or label on hand. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 If eye irritation persists: Get medical advice / attention. P363 Wash contaminated clothing before reuse. P391 Collect spillage.
STORAGE STATEMENTS	See Section 7.

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2. HAZARDS IDENTIFICATION

DISPOSAL STATEMENTS	P501	Dispose of contents/ containers in accordance with relevant regulations. See Section 13.
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3. COMPOSITION / INFORMATION ON INGREDIENTS

COMMON NAME	CAS NUMBER	CONCENTRATION %w/w
Metsulfuron-methyl	74223-64-6	60 %w/w
Non-hazardous ingredients	Proprietary	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 persists, 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 compounds
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 SPILLS AND DISPOSAL	Prevent product from entering waterways or drains. 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.

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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 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.
STORAGE	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 litres or more of AGPRO Meturon 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 required if good ventilation is maintained. Where an inhalation risk exists, wear a Type P1 (Particulate) respirator.
PROTECTIVE CLOTHING	Wear chemically resistant gloves, coveralls, socks and chemical-resistant footwear.
VENTILATION	Avoid inhalation. Use in 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/ COLOUR	Light brown flowable granules.
ODOUR	Not Available.
ODOUR THRESHOLD	Not Available.
pH (1%) solution	4.5 – 6.5 (typical)
MELTING POINT / FREEZING POINT	Not Available
INITIAL BOILING POINT / BOILING RANGE	Not Available
FLASHPOINT	Not Applicable.
FLAMMABILITY	Not Available
UPPER/LOWER FLAMMABILITY LIMITS	Not Available
VAPOUR PRESSURE	Not Available.
VAPOUR DENSITY	Not Available.
RELATIVE DENSITY	0.64 – 0.74 g/ml @ 25°C
SOLUBILITY	Soluble in water
OCTANOL / WATER PARTITION COEFFICIENT	Not Available.
AUTOIGNITION TEMP	Not Applicable.
DECOMPOSITION TEMPERATURE	Not Available.
KINEMATIC VISCOSITY	Not Available
PARTICLE CHARACTERISTICS	Not Applicable

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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	Thermal decomposition may produce toxic fumes and compounds.

11. TOXICOLOGICAL INFORMATION

ACUTE EFFECTS	No toxicological data is available for the finished product.
ORAL TOXICITY	LD50 (rat) >5000mg/kg for metsulfuron-methyl
DERMAL TOXICITY	LD50 (rat) > 2000mg/kg for metsulfuron-methyl
INHALATION TOXICITY	LC50 (rat, nose only) >6.2mg/l for metsulfuron-methyl
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. Residual herbicide – very toxic to some plant species. Avoid spray drift. Spray drift may cause serious damage to desirable plants. Take the required measures to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area. Do not apply into or onto water unless prior approval has been obtained under Section 95A of the Hazardous Substances and New Organisms Act 1996. See Section 15 for additional information. NOT TO BE USED ON PASTURE OR CROPLANDS.

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12. ECOLOGICAL INFORMATION

ECOTOXICITY INFORMATION	LC50 (96hr, rainbow trout) >150ppm NOEC (21 days, fish) 68 mg/L LC50 (48 hr, Daphnia magna) >150mg/L NOEC (21 days, daphnids) 150 mg/L EC50 (96hr, Lemna minor duckweed) 0.0004 mg/L NOEC 0.00016 mg/L.
BIOACCUMMULATIVE	No.
READILY DEGRADABLE	No.

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 (attapulgitic 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 landfill. 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 metsulfuron-methyl 60%).	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., (contains metsulfuron-methyl 60%).	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., (contains metsulfuron-methyl 60%).
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).

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15. REGULATORY INFORMATION

ACVM REGISTRATION	Exempt from registration under the ACVM Act 1997.
HAZARDOUS SUBSTANCE APPROVAL CODE	HSR00242 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	AGPRO Meturon must not be applied or otherwise used onto or into water unless prior permission has been obtained from the Environmental Protection Authority (EPA) under section 95A of the Hazardous Substances and New Organisms Act 1996. Any person applying this substance to water must ensure that the substance is not applied in a manner that may cause harm to aquatic farms where food is produced; or in a manner that may cause harm to crops using water taken from that water body. Any person applying this product to water must also adhere to all notification, signage, testing, application rate and reporting requirements specified in the approval controls. Refer www.epa.govt.nz for approval controls for full information.

16. OTHER INFORMATION

SDS ISSUE DATE	15 June 2022
SDS REVIEW DATE	June 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 Database 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

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