


AGPRO Nicosulfuron 750 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 CHEMCALL (0800 243 622) 24 hours
ACTIVE INGREDIENT(S) AND PRESENTATION	750g/kg nicosulfuron in the form of a water dispersible granule
CHEMICAL FAMILY	Sulfonylurea
USE	Selective 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
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 soil organisms
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 unintended 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.

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2. HAZARDS IDENTIFICATION

STORAGE STATEMENTS	P363	Wash contaminated clothing before reuse.
	P391	Collect spillage.
DISPOSAL STATEMENTS	See Section 7.	
	P501	Dispose of contents/ containers in accordance with relevant regulations. See Section 13.

3. COMPOSITION / INFORMATION ON INGREDIENTS

COMMON NAME	CAS NUMBER	CONCENTRATION %w/w
Nicosulfuron	111991-09-4	75 %w/w (750g/kg)
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 water. If skin irritation occurs, get medical advice/ attention. Wash contaminated clothing before reuse.
INHALATION	Remove to fresh air and keep at rest in a position comfortable for breathing. Apply artificial respiration if not breathing. Call a doctor if you feel unwell.
INGESTION	Do NOT induce vomiting. Call the Poison Centre or a doctor if you feel unwell.
NOTES TO DOCTOR	Treat symptomatically.
FIRST AID FACILITIES	Eye wash facilities and a 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	2X

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.

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6. ACCIDENTAL RELEASE MEASURES

SPILLS AND DISPOSAL

Generating as little dust as possible, sweep up solid spills. Absorb liquid spills with inert material such as attapulgite, soil, etc., and place in a sealed and labelled waste container. Wash area and absorb with further inert material. Place all waste material in a sealable, 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 of dust or spray mist. Observe good personal hygiene, including washing hands and face before eating. Prohibit eating, drinking and smoking in contaminated areas. Persons mixing, loading, applying or otherwise handling this product must meet qualification requirements set out in the EPA Hazardous Substances (Hazardous Property Controls) Notice 2017.

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 kg or more of AGPRO Nicosulfuron 750 WDG require 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.

PROTECTIVE CLOTHING

Wear chemically resistant gloves, overalls 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

Off-white granule

ODOUR

Odourless

ODOUR THRESHOLD

Not Available

pH (1% dilution)

5.0 – 7.0

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

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9. PHYSICAL AND CHEMICAL PROPERTIES

VAPOUR PRESSURE	Not Available.
VAPOUR DENSITY	Not Available
RELATIVE DENSITY	0.56 – 0.67 g/cm ³ @ 25°C
SOLUBILITY	Dispersible in water
OCTANOL / WATER PARTITION COEFFICIENT	Not Available
AUTOIGNITION TEMP	Not Applicable
DECOMPOSITION TEMPERATURE	Not Available
KINEMATIC VISCOSITY	Not Available
PARTICLE CHARACTERISTICS	Not Applicable

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 nicosulfuron
DERMAL TOXICITY	LD50 (rat) > 2000mg/kg for nicosulfuron
INHALATION TOXICITY	LC50 (rat) > 5mg/L for nicosulfuron
EYE CORROSION / IRRITANCY	Causes eye irritation.
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.
SKIN SENSITISATION	Non-sensitiser
NARCOTIC EFFECTS	No information.

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12. ECOLOGICAL INFORMATION

TOXICITY	Very toxic to aquatic life with long lasting effects. Very toxic to the soil environment.
PRECAUTIONS	Persons mixing, loading, applying or otherwise handling this product must meet qualification requirements set out in the EPA Hazardous Substances (Hazardous Property Controls) Notice 2017. Selective 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.
ECOTOXICITY INFORMATION	Nicosulfuron LD50 (Colinus virginianus) >2000mg/kg LC50 (Oncorhynchus mykiss) 65.7 mg/kg EC50 (Daphnia magna, 48hr) 90 mg/L LD50 (Honeybee, 48hr) 76 µg/bee LC50 (earthworm, 14day) >1000mg/kg EC50 (algae, 72hr) 7.8mg/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, 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,	ENVIRONMENTALLY HAZARDOUS SUBSTANCE,	ENVIRONMENTALLY HAZARDOUS SUBSTANCE,

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14. TRANSPORT INFORMATION

	SOLID, N.O.S., (contains nicosulfuron 75%).	SOLID, N.O.S., (contains nicosulfuron 75%).	SOLID, N.O.S., (contains nicosulfuron 75%).
Transport Hazard Class	9	9	9
Subsidiary Class	-	-	-
Packing Group	III	III	III
Hazchem	2X	2X	-
Marine Pollutant Status	-	Marine Pollutant	-

15. REGULATORY INFORMATION

ACVM REGISTRATION	Registered pursuant to the ACVM Act 1997, No. P010202 See MPI website for registration conditions www.foodsafety.govt.nz
HAZARDOUS SUBSTANCE APPROVAL CODE	Approved pursuant to the HSNO Act 1996, Approval Code HSR007864 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 for three years, of each application of the substance.
ADDITIONAL HSNO CONTROL	The maximum application rate is 110g product/ha (82.5g a.i./ha) with a frequency of no more than once per year.

16. OTHER INFORMATION

SDS ISSUE DATE	23 August 2024
SDS REVIEW DATE	August 2029
REFERENCES	Supplier SDS NZ Workplace Exposure Standard and Biological Exposure Indices (April 2022) NZ Chemical Classification Information Database NZ EPA Hazardous Substance Approvals and Group Standards 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

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16. OTHER INFORMATION

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 product's properties.

End of Safety Data Sheet