


## AGPRO Fertiliser Tablets

## 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
USE	Fertiliser tablet

## 2. HAZARDS IDENTIFICATION

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

GHS CLASSIFICATIONS	Skin irritation Category 2 Skin sensitisation Category 1 Eye irritation Category 2 Respiratory sensitisation Category 1 Reproductive toxicity Category 2 Specific target organ toxicity repeated exposure Category 2 Hazardous to the aquatic environment chronic Category 2
HSNO CLASSIFICATIONS	6.3A, 6.4A, 6.5A, 6.5B, 6.8B, 6.9B, 9.1B
SIGNAL WORD	DANGER
PICTOGRAMS	
HAZARD STATEMENTS	H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. H361 Suspected of damaging fertility or the unborn child. H373 May cause damage to organs through prolonged or repeated exposure. H411 Toxic to aquatic life with long lasting effects.
PREVENTION STATEMENTS	P102 Keep out of reach of children. P103 Read carefully and follow all instructions. P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P260 Do not breathe dust. P264 Wash face and hands thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P272 Contaminated work clothing should not be allowed out of the workplace. P273 Avoid release to the environment. P280 Wear protective gloves / protective clothing / eye protection / face protection. P284 In case of inadequate ventilation wear respiratory protection.
RESPONSE STATEMENTS	P101 If medical advice is needed, have product container or label on hand. P302 + P352 IF ON SKIN: Wash with plenty of water.

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## 2. HAZARDS IDENTIFICATION

STORAGE STATEMENTS	P304 + P340	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
DISPOSAL STATEMENTS	P305 + P351 +P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P308 + P313	IF exposed or concerned: Get medical advice/ attention.
	P314	Get medical advice/attention if you feel unwell.
	P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
	P337 + P313	If eye irritation persists: Get medical advice/attention.
	P342 + P311	If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
	P362 + P364	Take off contaminated clothing and wash before re-use.
	P391	Collect spillage.
	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
Urea formaldehyde	9011-05-6	40-50
Ammonium Phosphate	7783-28-0	<10
Calcium Phosphate	7758-232-8	<10
Potassium Sulphate	7778-80-5	<10
Magnesium Oxide	1309-48-4	<10
Boric Acid	10043-35-3	<10
Iron Sulphate Heptahydrate	7782-63-0	<10
Copper Sulphate Pentahydrate	7758-98-7	<1
Manganese Sulphate	15244-36-7	<1
Zinc Sulphate	7446-20-0	<1
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 occurs, get medical attention/advice.
SKIN (or hair) CONTACT	Remove contaminated clothing and wash with plenty of soap and water. If skin irritation or rash 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.
IF EXPOSED OR CONCERNED	Get medical advice/attention.

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## 4. FIRST AID MEASURES

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 tablets from entering waterways or drains. Generating as little dust as possible, sweep up solid spills 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 washing hands and face before eating. Prohibit eating, drinking and smoking in contaminated areas.
STORAGE	Store in original container, tightly closed, in a locked 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 1000kg or more of AGPRO Fertiliser tablets 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 P2 (Particulate filter) respirator.
PROTECTIVE CLOTHING	Wear chemically resistant gloves, coveralls, socks and chemical-resistant footwear.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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. Clean protective clothing and equipment before re-use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE / STATE/ ODOUR	Green coloured tablets
BOILING POINT	Not Available.
DENSITY	1.04 g/cm <sup>3</sup>
DECOMPOSITION TEMPERATURE	Not Available.
FLASHPOINT	Not Applicable.
EXPLOSION PROPERTIES	Not Applicable.
SOLUBILITY	Not Applicable.
pH	4.7 typical (1% dilution in water).
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.

## 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

<b>ACUTE EFFECTS</b>	No toxicological data is available for the finished product.	
ORAL TOXICITY	Copper sulphate pentahydrate	LD50 (rabbit) 125 mg/kg
	Iron sulphate heptahydrate	LD50 (mouse) 1520 mg/kg
	Manganese sulphate	LD50 (rat) 782 mg/kg
	Zinc sulphate	LD50 (rat) 1500 mg/kg
DERMAL TOXICITY	No information.	
INHALATION TOXICITY	Inhalation of dust from the tablets may cause allergy, asthma symptoms or breathing difficulties.	
EYE CORROSION / IRRITANCY	Causes serious eye irritation.	
SKIN CORROSION / IRRITANCY	Causes skin irritation and may cause an allergic skin reaction.	

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## TOXICOLOGICAL INFORMATION

## CHRONIC EFFECTS

CARCINOGENICITY	No information.
REPRODUCTIVE TOXICITY	Suspected of damaging fertility or the unborn child.
GERM CELL MUTAGENICITY	No information.
ASPIRATION	No information.
STOT/SE	No information.
STOT/RE	May cause damage to organs through prolonged or repeated exposure.
NARCOTIC EFFECTS	No information.

## 12. ECOLOGICAL INFORMATION

TOXICITY	Toxic to aquatic life with long lasting effects.	
PRECAUTIONS	This product must not be applied directly into or onto water. Avoid contamination of any waterways with product or empty container.	
ECOTOXICITY INFORMATION	Copper sulphate	LC50 (96hr, Pimephales promelas) 0.0028 mg/L NOEC (15day, Oncorhynchus mykiss) 0.012 mg/L EC50 (48hr, Bosmina longirostris) 0.0014mg/L EC50 (72hr, Thalassiosira pseudonana) 0.005mg/L
	Zinc sulphate	LC50 (96hr, Oncorhynchus mykiss) 0.04mg/L LC50 (48hr, Daphnia hyalina) 0.04mg/L EC50 (5day, Ditylum brightwellii) 0.1mg/L
BIOACCUMMULATIVE	No information	
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. 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	Dispose of empty packaging at an approved facility. Do NOT burn. Do not use the container for any other purpose.

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## 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)
<b>UN Number</b>	3077	3077	3077
<b>Proper Shipping Name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., (contains zinc 0.25%, copper 0.10%).	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., (contains zinc 0.25%, copper 0.10%).	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., (contains zinc 0.25%, copper 0.10%).
<b>Transport Hazard Class</b>	9	9	9
<b>Subsidiary Class</b>	-	-	-
<b>Packing Group</b>	III	III	III
<b>Hazchem</b>	2Z	2Z	-
<b>Marine Pollutant Status</b>		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)  
This product must not be transported on a passenger service vehicle.

## 15. REGULATORY INFORMATION

ACVM REGISTRATION  
HAZARDOUS SUBSTANCE  
APPROVAL CODE

Exempt from registration under the ACVM Act 1997.  
HSR002571  
Fertilisers (Subsidiary Hazard) Group Standard 2020  
See the EPA website for approval controls [www.epa.govt.nz](http://www.epa.govt.nz)

## 16. OTHER INFORMATION

<b>SDS ISSUE DATE</b>	10 November 2022
<b>SDS REVIEW DATE</b>	November 2027
<b>REFERENCES</b>	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

**AGPRO Fertiliser Tablets****16. OTHER INFORMATION****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 <sup>3</sup>	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