

**1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY**

PRODUCT NAME: METAMEET  
OTHER NAME: Water dispersible granule containing 700g/kg metamitron.  
USE: Herbicide  
SUPPLIER NAME: AGPRO NZ Ltd  
SUPPLIER ADDRESS: 10 Polaris Place, East Tamaki, Auckland 2013  
PO Box 58-963, Botany, Auckland 2163  
SUPPLIER CONTACT: 09 273 3456 or freephone 0508 536 536  
www.agpro.co.nz  
POISON INFORMATION: National Poison Centre, 0800 POISON (0800 764 766) 24 hours  
CHEMICAL EMERGENCY: 0800 CHEMCALL (0800 243 622) 24 hours

**2. HAZARDS IDENTIFICATION**

NEW ZEALAND: Hazardous according to the Hazardous Substances (Hazard Classification) Notice 2020 of the HSNO Act, 1996

APPROVAL NUMBER: HSR000535

HAZARD CLASSIFICATIONS: Acute oral toxicity Category 4, Acute inhalation toxicity Category 4, Hazardous to soil organisms, Hazardous to terrestrial vertebrates, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1.

PICTOGRAMS:



SIGNAL WORD: WARNING

HAZARD STATEMENTS: Harmful if swallowed.  
Harmful if inhaled.  
Very toxic to aquatic life and with long lasting effects.  
Very toxic to soil organisms.  
Harmful to terrestrial vertebrates.

PREVENTION: Keep out of reach of children.  
Read label before use.  
Wash face and hands thoroughly after handling.  
Do not breath dust/mist/spray.  
Do not eat, drink or smoke when handling.  
Use only outdoors or in well-ventilated area.  
Wear protective gloves / protective clothing / eye protection / face protection  
Avoid unintended release to the environment.

RESPONSE: If medical advice is needed, have product container or label at hand.  
IF SWALLOWED: Call a POISON CENTRE or doctor/physician if you feel unwell.  
Rinse mouth.  
IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.  
Call a POISON CENTRE or doctor/physician if you feel unwell.  
Wash contaminated clothing before reuse.  
Collect spillage.

STORAGE: -

DISPOSAL: Dispose of unwanted product and used packaging in compliance with local regulations.

TRANSPORT: METAMEET is classified as Dangerous Goods Class 9 for Transport

LABEL: Do not apply directly into or onto water.

Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT	CAS No.	% w/w
Metamitron	41394-05-2	70
Kaolin	1332-58-7	5 - 25
Other ingredients	Trade secret	balance

This is a commercial product whose exact ratio of components may vary slightly.

### 4. FIRST - AID MEASURES

Contact the National Poisons Centre on 0800 POISON (0800 764 766) or a doctor for advice. Have product label or SDS at hand.

Ingestion If swallowed, do NOT induce vomiting. Rinse mouth with water. Contact the National Poisons Centre on 0800 POISON (0800 764 766) or a doctor for advice if you feel unwell.

Inhalation Remove patient to fresh air. Keep in position comfortable for breathing. Call the Poison Centre or a doctor if you feel unwell. If breathing is shallow or has stopped ensure airway is clear, apply resuscitation and seek medical assistance immediately.

Skin contact Wash with plenty of soap and water, and call a Poison Centre or a doctor if you feel unwell. Wash contaminated clothing before re-use.

Eye contact Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do, Continue rinsing. Get medical advice if irritation persists.

Advice to Doctor No specific antidote. Treat symptomatically.

### 5. FIRE FIGHTING MEASURES

Flammability: Non-flammable.

Hazardous Combustion Products: If involved in a fire, may evolve toxic/harmful compounds including oxides of carbon.

Extinguishing Media: Water fog or fine spray, carbon dioxide or dry chemical as appropriate to surrounding materials.

Protective Equipment: Full protective clothing and self-contained breathing apparatus.

### 6. ACCIDENTAL RELEASE MEASURES

Spills and Disposal: Wear protective clothing and equipment as described. Contain and prevent product from entering waterways. Use shovel to recover granule spills. Absorb liquid material with inert materials and place in labelled drums that can be sealed. Wash area with water and absorb with further inert material. Dispose of waste and residues to approved landfill.

Environmental Precautions: Prevent from entering drains, waterways or sewers. If spill does enter waterways immediately contact local authority. Product is a herbicide and spillage on soil may damage crops.

### 7. HANDLING AND STORAGE

Handling: Keep out of reach of children. Read label before use. Keep container tightly closed when not in use. Use only according to label. Wear personal protective equipment. Avoid contact with skin and eyes and inhalation of dust or spray mist. Use outdoors or in well-ventilated area.

Do not apply directly into or onto water. Take all reasonable steps to ensure the product does not cause any significant adverse effects to the environment beyond the application area.

Written records of use are required if more than 3 kg is applied within 24 hours in a place where the product is likely to enter air or water and leave the application area. Product must be under the control of a Qualified Handler during use.

Storage: Signage, an emergency response plan and secondary containment are required when more than 100 kg is on site. Store in original container tightly closed and in a secure well-ventilated area away from foodstuffs, fertilisers and seeds. For guidance refer to the current version of NZS 8409 Management of Agrichemicals.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits: Worksafe NZ (13<sup>th</sup> edition, April 2022)

<i>Ingredient</i>	<i>Exposure</i>	<i>Form</i>	<i>WES-TWA</i>
Kaolin	Inhalation	Spray	10 mg/m <sup>3</sup>
Kaolin	Inhalation	Respirable dust	2 mg/m <sup>3</sup>

Protective Equipment: When handling wear full protective clothing such as impermeable elbow-length gloves, hat, coat, trousers (worn outside rubber boots).

Wear self-contained breathing apparatus when exposure is likely. Wear a face shield or goggles if eye contact is likely to occur.

The following Standards provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: **AS/NZS 4501**, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

Engineering Controls: Handle outdoors or in a well-ventilated area. Use local exhaust ventilation, or other engineering controls as appropriate to conditions.

Hygiene Precautions: Do not eat, drink or smoke while using this product. Remove protective clothing and wash hands and face before meals and after work. Wash protective clothing and equipment daily after work.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White to off-white granule
Odour:	Slight
Odour threshold:	No information available.
pH	6.8 - 8.5 (1% aqueous)
Melting point/freezing point:	Not available
Initial boiling point/range:	Not available
Flashpoint:	Non-flammable
Flammability (solid, gas):	Not applicable
Upper/lower flammability limits:	Not available
Vapour pressure:	Not available
Vapour density:	Not available
Relative density:	Not applicable.
Solubilities:	Disperses in water.
Partition coefficient: n-octanol/water:	Not available
Auto-ignition temperature:	No information available
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 at least two years.
Conditions to avoid:	Not specified.
Incompatible substances or materials:	Not specified.
Hazardous polymerization:	Hazardous polymerization will not occur.

## 11. TOXICOLOGICAL INFORMATION

Acute toxicity:	Harmful if swallowed or inhaled.
Aspiration hazard:	Not classified.
Respiratory irritation:	Dust may be slightly irritating.
Skin corrosion/irritation:	Mild irritant.
Serious eye damage/irritation:	Mild irritant (dust).
Respiratory or skin sensitization:	Not classified.
Germ cell mutagenicity:	Not classified.
Carcinogenicity:	Not classified.
Reproductive toxicity:	Not classified.
Specific organ toxicity:	Not classified. Prochloraz is a possible thyroid toxicant.
Narcotic effects:	No components identified with narcotic effects.
Toxicological information:	<u>Metamitron (active)</u> Oral, rat LD <sub>50</sub> 1183 mg/kg bw Dermal, rat LD <sub>50</sub> 2000 mg/kg bw Inhalation, rat LC <sub>50</sub> 4 hr (nose only) 3.17 mg/L

## 12. ECOLOGICAL INFORMATION

Ecotoxicity:	Product is classified as being very toxic to aquatic life and with long-lasting effects. Also hazardous in the soil environment and to terrestrial vertebrates.
Ecotoxicological information:	<u>Metamitron (active)</u> Fish: Rainbow trout LC <sub>50</sub> (96 h) ≥190 mg/L Crustacean: <i>Daphnia magna</i> EC <sub>50</sub> (48 h) 5.7 mg/L Algae: <i>Pseudokirchneriella subcapitata</i> EC <sub>50</sub> (72 h) growth 0.4 mg/L Aquatic plant: <i>Lemna minor</i> EC <sub>50</sub> (7 d) biomass, 0.4 mg/L Bird: <i>Coturnix japonica</i> LD <sub>50</sub> 1302 mg/kg bw
Persistence and degradability:	Metamitron is moderately persistent in soil; DT <sub>50</sub> (typical) 30 days.
Potential to be bioaccumulative:	Not expected to be bioaccumulative.
Mobility in soil:	Metamitron has high water solubility; 1770 mg/L.
Other adverse effects:	No information available.
Environmental Exposure Limits (EEL):	Not applicable.

### 13. DISPOSAL CONSIDERATIONS

Product Disposal: Avoid contamination of waterways or water supplies with product or empty containers or bags.  
Dispose of product only by using according to label or dispose of at an approved landfill.

Packaging Disposal: Dispose of empty packaging at an approved landfill. Do not burn. Do not use packaging for any other purpose.

### 14. TRANSPORT INFORMATION

UN Number: 3077

Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., (METAMITRON 70%)

DG Class: 9

Packing Group: III

Marine Pollutant: Yes

HAZCHEM 2Z

### 15. REGULATORY INFORMATION

New Zealand Approved pursuant to the ACVM Act 1997, P9435  
See [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz) for registration conditions  
Approved pursuant to the HSNO Act 1996, Approval Code HSR000535  
See [www.epa.govt.nz](http://www.epa.govt.nz) for controls and [www.worksafe.govt.nz](http://www.worksafe.govt.nz).

Qualifications	Qualified Handler
Tracking:	Not required
Safety Data Sheet:	Any quantity
Restricted to workplace only:	No
Quantity that must be secured when unattended:	Not applicable
Fire extinguishers	Not required
Quantity for secondary containment and emergency response plan:	100 kg
Quantity for signage:	100 kg
Quantity for Location certificate	Not required
Records of use (3 kg or more applied to area within 24 hours)	Yes
Quantity that requires management in accordance with HSW HS Regulations	1000 kg
Additional controls	-

### 16. OTHER INFORMATION

Version: 1.0

Issue Date: 4 September 2023

Reason for Issue: New Safety Data Sheet.

Replaces: Not applicable.

#### References:

Supplier Safety Data Sheets

NZ EPA Approved Hazardous Substances Databases.

Worksafe NZ Workplace Exposure Standards and Biological Exposure Indices  
NZS 5433:2020 New Zealand Standard Transport of Dangerous Goods on Land  
University of Hertfordshire Pesticides Properties Database (PPDB)

## Abbreviations:

ACVM	Agricultural Chemicals and Veterinary Medicines Group
ADI	Acceptable Daily Intakes
BCF	Bioconcentration factor
CAS Number	Chemical Abstracts Service Registry Number
CCID	Chemical Classification Identification Database
EPA	Environmental Protection Authority
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
Hazchem Code	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
HSNO	Hazardous Substances and New Organisms
HS	Health and Safety
HSR	Hazardous Substances Register
IARC	International Agency for Research on Cancer
LC <sub>50</sub>	Median Lethal Concentration
LD <sub>50</sub>	Median Lethal Dose (50% population)
SDS	Safety Data Sheet
NOAEL	No Observable Adverse Effect Level
NOEL	No Observable Effect Level
NOS	Not otherwise specified
STEL	Short Term Exposure Limit
TWA	Time-Weighted Average
UN Number	United Nations Number
WES-STEL	Workplace exposure standards – Short-term exposure limit
WES-TWA	Workplace exposure standards – Time-weighted average

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.