

Safety Data Sheet

according to WHS Regulations

Printing date 21.10.2020

Revision: 21.10.2020

1 Identification

Product Name: GENFARM ACETAMIPRID 225 INSECTICIDE

Recommended Use of the Chemical and Restriction on Use:

For the control of cotton aphid and green mirids in cotton and green peach aphid in potatoes.

Details of Manufacturer or Importer:

Nutrien Ag Solutions Limited
Level 5, Building A, 26 Talavera Road,
Macquarie Park NSW 2113

Phone Number: (02) 9889 5400

Emergency telephone number: 1800 44 88 92

2 Hazard(s) Identification

Hazardous Nature:

Not subject to the ADG Code when transported in Australia by Road or Rail in packages 500kg(L) or less; or IBCs (refer to SP AU01).

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.



health hazard

Toxic To Reproduction 1B

H360 May damage fertility or the unborn child.



Acute Toxicity (Oral) 4

H302 Harmful if swallowed.

Skin Corrosion/Irritation 2

H315 Causes skin irritation.

Serious Eye Damage/Irritation 2A

H319 Causes serious eye irritation.

STOT SE 3

H335 May cause respiratory irritation.

Aquatic Chronic 3

H412 Harmful to aquatic life with long lasting effects.

Signal Word Danger

Hazard Statements

H302 Harmful if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H360 May damage fertility or the unborn child.

H335 May cause respiratory irritation.

H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P271 Use only outdoors or in a well-ventilated area.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

P330 Rinse mouth.

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P302+P352	IF ON SKIN: Wash with plenty of water.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
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.
P321	Specific treatment (see on this label).
P362+P364	Take off contaminated clothing and wash it before reuse.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national regulations.

3 Composition and Information on Ingredients

Chemical Characterization: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Hazardous Components:

CAS: 67-68-5	Dimethyl sulfoxide	30-60%
	⚠ Skin Corrosion/Irritation 2, H315; Serious Eye Damage/Irritation 2A, H319	
CAS: 872-50-4	N-methyl-2-pyrrolidone	30-60%
	⚠ Toxic To Reproduction 1B, H360; ⚠ Skin Corrosion/Irritation 2, H315; Serious Eye Damage/Irritation 2A, H319; STOT SE 3, H335; Flammable Liquids 4, H227	
CAS: 135410-20-7	acetamiprid (ISO)	10-<30%
	⚠ Acute Toxicity (Oral) 4, H302; Aquatic Chronic 3, H412	

4 First Aid Measures

Inhalation:

If inhaled, remove to fresh air and keep at rest. Obtain medical advice if at all worried. If not breathing give artificial respiration. If breathing is difficult administer oxygen.

Skin Contact:

Carefully remove contaminated clothing. Wash affected areas thoroughly with soap and water. Seek medical aid if at all worried.

Eye Contact:

Rinse eyes immediately with clean water, holding eyes open, for at least 15 minutes and seek immediate medical attention.

Ingestion:

If swallowed, contact a doctor or Poisons Information Centre if you feel unwell. Wash out mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person.

Symptoms Caused by Exposure:

Inhalation: May cause respiratory irritation.

Skin Contact: Causes skin irritation.

Eye Contact: Causes serious eye irritation.

Ingestion: Harmful if swallowed.

5 Fire Fighting Measures

Suitable Extinguishing Media: Water fog, foam, dry chemical or carbon dioxide.

Specific Hazards Arising from the Chemical:

This product may evolve harmful and irritant gas and fumes such as oxides of carbon, nitrogen, sulphur, hydrogen chloride gas, and organic compounds by being heated or on combustion. The containers may

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explode on being heated.

Hazchem: •3Z

Special Protective Equipment and Precautions for Fire Fighters:

Wear approved self-contained breathing apparatus and full protective clothing. Containers close to fire should be removed only if safe to do so. Use water spray to cool fire exposed containers. Prevent / Minimise run-off from fire fighting entering drains or water courses.

6 Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear approved respiratory protection, chemical resistant gloves, protective clothing and safety boots. Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation. Extinguish all sources of ignition. Avoid sparks and open flames. No smoking.

Environmental Precautions:

Prevent from releasing it to the environment as this product may be harmful to aquatic organisms.

Methods and Materials for Containment and Cleaning Up:

Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material. Collect the spilled material and place into a suitable container for disposal. Clean area as appropriate since spilled materials, even in small quantities, may present a slip hazard. Final cleaning may require use of steam or detergents.

7 Handling and Storage

Precautions for Safe Handling:

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours or mist. Use only outdoors or in a well-ventilated area. Take precautionary measures against static discharge. Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

Conditions for Safe Storage:

Store in a cool, dry and well ventilated area. Keep container tightly closed when not in use. Protect from heat, sparks, open flames and other sources of ignition. Keep away from strong bases, strong acids, oxidising and reducing agents, acid chlorides, bleaching agents, chlorine, chromates, oxygen, percarbonates, perchlorates, permanganates, peroxides, phosphorus acids and trichloroacetic acid.

8 Exposure Controls and Personal Protection

Exposure Standards:**CAS: 872-50-4 N-methyl-2-pyrrolidone**

WES	STEL: 309 mg/m ³ , 75 ppm TWA: 103 mg/m ³ , 25 ppm Sk
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Engineering Controls:

Control process conditions to avoid contact. Use local exhaust ventilation to control vapor. Provide safety shower and eye washes in work area.

Respiratory Protection:

If working in enclosed areas, a respirator with either an organic or vapour-removing cartridge with a pre-filter approved for pesticides, or a canister approved for pesticides (AS/NZS 1715/1716).

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Skin Protection:

Wear chemical resistant gloves and long sleeved shirt and long pants or overalls buttoned to the neck and wrist. See Australian/New Zealand Standard AS/NZS 2161 for more information.

Eye and Face Protection:

Safety glasses with top and side shields or goggles. See Australian/New Zealand Standards AS/NZS 1336 and 1337 for more information.

9 Physical and Chemical Properties

Appearance:

Form:	Transparent liquid
Colour:	Pale yellow
Odour:	Slight amine-like odour
pH-Value:	5-7
Melting point/freezing point:	<-5 °C
Initial Boiling Point/Boiling Range:	189 °C (dimethyl sulfoxide)
Flash Point:	102 °C (Cleveland open cup)
Flammability:	Not applicable.
Decomposition Temperature:	No information available.
Explosion Limits:	
Lower:	No information available.
Upper:	No information available.
Vapour Pressure:	No information available.
Density at 20 °C:	1.11 g/cm ³
Relative Density:	No information available.
Vapour Density:	3.42 (N-methyl-2-pyrrolidone), 2.7 (dimethyl sulfoxide)
Evaporation Rate:	No information available.
Solubility in Water:	Soluble in water
Partition Coefficient (n-octanol/water):	0.79 (active ingredient)

10 Stability and Reactivity

Possibility of Hazardous Reactions: Hazardous polymerisation does not occur.

Chemical Stability: Stable at normal temperatures and storage conditions.

Conditions to Avoid: No further relevant information available.

Incompatible Materials:

Strong bases, strong acids, oxidising and reducing agents, acid chlorides, bleaching agents, chlorine, chromates, oxygen, percarbonates, perchlorates, permanganates, peroxides, phosphorus acids and trichloroacetic acid.

Hazardous Decomposition Products:

Oxides of carbon, nitrogen and sulphur, hydrogen chloride gas, and organic compounds on combustion.

11 Toxicological Information

Toxicity:**LD50/LC50 Values Relevant for Classification:****CAS: 67-68-5 Dimethyl sulfoxide**

Oral	LD50	14,500 mg/kg (rat)
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CAS: 872-50-4 N-methyl-2-pyrrolidone

Oral	LD50	3,914 mg/kg (rat)
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Dermal	LD50	8,000 mg/kg (rabbit)
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Acute Health Effects**Inhalation:** May cause respiratory irritation.**Skin:** Causes skin irritation.**Eye:** Causes serious eye irritation.**Ingestion:** Harmful if swallowed.**Skin Corrosion / Irritation:** Causes skin irritation.**Serious Eye Damage / Irritation:** Causes serious eye irritation.**Respiratory or Skin Sensitisation:** Based on classification principles, the classification criteria are not met.**Germ Cell Mutagenicity:** Based on classification principles, the classification criteria are not met.**Carcinogenicity:** This product does NOT contain any IARC listed chemicals.**Reproductive Toxicity:** May damage fertility or the unborn child.**Specific Target Organ Toxicity (STOT) - Single Exposure:** May cause respiratory irritation.**Specific Target Organ Toxicity (STOT) - Repeated Exposure:**

Based on classification principles, the classification criteria are not met.

Additional toxicological information:

The Australian Acceptable Daily Intake (ADI) for Acetamiprid for a human is 0.1 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOAEL of 9 mg/kg/day, the level determined to show no effects during long term exposure for the most sensitive indicators and the most sensitive species.

(Ref: Australian Pesticides and Veterinary Medicines Authority, 'Acceptable Daily Intakes for Agricultural and Veterinary Chemicals', 2020).

12 Ecological Information

Ecotoxicity: Harmful to aquatic life with long lasting effects.**Aquatic toxicity:****CAS: 872-50-4 N-methyl-2-pyrrolidone**

EC50/24 h >1,000 mg/l (daphnia)

EC50/72 h >500 mg/l (green algae)

LC50/96 h 1,072 mg/l (fathead minnow)

>5,000 mg/l (rainbow trout)

Persistence and Degradability: Not readily biodegradable (as active ingredient).**Bioaccumulative Potential:** This substance is not bioaccumulative (as active ingredient).**Mobility in Soil:** No information available.

13 Disposal Considerations

Disposal Methods and Containers:

Contaminated empty containers must be disposed of as chemical waste.

Obey all Federal, State and local regulations for health and safety and environmental protection in treating the waste.

Special Precautions for Landfill or Incineration:

Burn in a chemical incinerator equipped with an afterburner and an alkaline scrubber, in accordance with Federal, State or local regulations.

Do not discharge into waterways or sewer systems unless permission has been obtained by the local authority and suitable dilution has been established.

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14 Transport Information

UN Number	Not subject to the ADG Code when transported in Australia by Road or Rail in packages 500kg(L) or less; or IBCs (refer to SP AU01).
IMDG, IATA	3082
Proper Shipping Name	
ADG	Not regulated.
IMDG, IATA	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (acetamiprid)
Dangerous Goods Class	
ADG Class:	Not regulated.
IMDG Class:	9 Miscellaneous dangerous substances and articles.
Packing Group:	
ADG	Not regulated.
IMDG, IATA	III
Hazchem Code:	•3Z
Special Provisions:	274, 331, 335, 375, AU01
Limited Quantities:	5 L
Packagings & IBCs - Packing Instruction:	P001, IBC03, LP01
Packagings & IBCs - Special Packing Provisions:	PP1
Portable Tanks & Bulk Containers - Instructions:	T4
Portable Tanks & Bulk Containers - Special Provisions:	TP1, TP29

15 Regulatory Information

Australian Inventory of Chemical Substances:

CAS: 67-68-5 Dimethyl sulfoxide

CAS: 872-50-4 N-methyl-2-pyrrolidone

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Poison Schedule:

Poisons Schedule: 6

Australia: Priority Existing Chemicals

None of the ingredients is listed.

16 Other Information

Date of Preparation or Last Revision: 21.10.2020**Prepared by:** MSDS.COM.AU Pty Ltdwww.msds.com.au

Abbreviations and acronyms:

ADG: Australian Dangerous Goods

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

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STEL: Short Term Exposure Limit

TWA: Time Weighted Average

NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

Flammable Liquids 4: Flammable liquids – Category 4

Acute Toxicity (Oral) 4: Acute toxicity - oral – Category 4

Skin Corrosion/Irritation 2: Skin corrosion/irritation – Category 2

Serious Eye Damage/Irritation 2A: Serious eye damage/eye irritation – Category 2A

Toxic To Reproduction 1B: Reproductive toxicity – Category 1B

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term (Chronic). Category 3

Disclaimer

This SDS is prepared in accord with the Safe Work Australia document “Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - May 2018”

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