

1. IDENTIFICATION

Product Identifier: **Intruder[®] Insecticide**

Other Means of Identification: Acetamiprid 20 Soluble Liquid

Recommended Use of the Chemical and Restrictions on Use: **Insecticide for Agricultural Use**

Details of Manufacturer or Importer: AgNova Technologies Pty Ltd
Suite 3/935 Station Street
Box Hill North Vic 3129 Australia
(03) 9899 8100
www.agnova.com.au

Emergency Telephone Number: 1800 033 111(24 hrs)
Poisons Information Centre 13 11 26

2. HAZARD(S) IDENTIFICATION**GHS Hazard Class and Category:**

Flammable Liquids – category 4: “Warning”
Hazard statement: H227 - Combustible Liquid

Acute Toxicity – Oral - category 4: “Warning”
Hazard statement: H302 - Harmful if swallowed

Specific Target Organ Toxicity (single exposure) – category 3: “Warning”
Hazard statement: H335 - May cause respiratory irritation

Toxic to Reproduction – category 2: “Warning”
Hazard statement: H361 - Suspected of damaging fertility or the unborn child

Specific Target Organ Toxicity (repeated exposure) – category 1: “Danger”
Hazard statement: H372 - Causes damage to organs (bone marrow, spleen, adrenal, kidneys, respiratory apparatus, liver) through prolonged or repeated exposure



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Precautionary Statements:

Prevention

- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P210 Keep away from heat, sparks, open flames and hot surfaces. No smoking.
- P260 Do not breathe vapours/mist/spray.
- P261 Avoid breathing vapours/mist/spray.
- P264 Wash hands, face thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P271 Use only outdoors or in a well-ventilated area.
- P280 Wear protective gloves, protective clothing, eye protection, face protection.

Response

- P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P308+P313 - If exposed or concerned: Get medical advice/attention.
- P312 Call a POISON CENTER/doctor if you feel unwell.
- P314 - Get medical advice/attention if you feel unwell.
- P330 Rinse mouth.
- P370+P378 In case of fire: Use carbon dioxide, dry chemicals, foam or water spray for extinction.

Storage

- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- P403+P235 Store in a well-ventilated place. Keep cool.
- P405 Store locked up.

Disposal

- P501 Dispose of contents/container in accordance with local/regional/national/international regulations

ADG

This product is not classified as a Dangerous Good under the Australian Code for the Transport of Dangerous Goods by Road and Rail.

SUSMP

Schedule 6

Classification:

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Ingredients:	CAS Number:	% (wt.):
Acetamiprid	135410-20-7	20
N-Methyl-2-pyrrolidone (solvent)	872-50-4	30
Dimethyl sulfoxide (solvent)	67-68-5	47
Surfactants	-	3



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4. FIRST AID MEASURES

If poisoning occurs, immediately contact a doctor or Poisons Information Centre (Phone 13 11 26), and follow the advice given. Show this Safety Data Sheet to a doctor.

Description of Necessary First Aid Measures:

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.

Ingestion: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER/doctor if your feel unwell.

Skin contact: Wash with plenty of water and soap. If skin irritation occurs: Get medical advice/attention.

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

First Aid Facilities: Provide washing facilities in the workplace.

Symptoms Caused by Exposure:

Not available.

Medical attention and Special Treatment:

No specific antidote. Supportive care. Treatment based on judgment of physician in response to symptoms of patient.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Equipment: Carbon dioxide, foam, dry chemicals, water spray

Specific Hazards Arising for the Chemical:

This product may evolve harmful and irritant gases and fumes such as CO, NO_x, SO_x, HCl or CO₂ by heating or on combustion.

The containers may explode by heating.

Special Protective Equipment and Precautions for Fire Fighters:

Protective equipment:

Wear self-contained breathing apparatus and complete personal protective equipment for fire-fighting, as it may evolve harmful and irritant gases/fumes such as CO, NO_x, SO_x, HCl or CO₂ in heating or combusting.

Precautions for Fire-Fighters:

Move containers away from fire area if it can be done without risk. If



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impossible to remove containers from fire zone, cool them with water spray.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear personal protective equipment. Refer to Section 8 for personal protective equipment.

Avoid contact with skin, eyes and clothing. Avoid breathing vapour or mist.

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:

Keep away from all ignition sources. Ventilate area.

Bank up soil or sand around spill site to prevent it from flowing out to the environment.

Absorb spill with inert material (e.g. dry sand or vermiculite). Shovel the absorbed material into air-tight containers.

Wash spill site with soap and water after material pick up is complete.

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

7. HANDLING AND STORAGE

Precautions for Safe

Handling:

Wear personal protective equipment. Refer to Section 8 for personal protective equipment.

Avoid contact with skin, eyes and clothing.

Obtain special instructions before use.

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

Keep away from heat, sparks, open flames, hot surfaces. No smoking.

Do not breathe vapours, mist, spray.

Wash hands and face thoroughly after handling.

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

Use only outdoors or in a well-ventilated area.

Conditions for Safe

Storage,

including any Incompatibilities:

Store in a well-ventilated place. Keep cool.

Keep container tightly closed because this product is hygroscopic.

Store locked up.

Keep away from direct sunlight, oxidizing agents, foods, drink and animal feeding stuffs.

Keep out of reach of children.



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8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

National Exposure Standards:	No exposure standard allocated.
Biological Monitoring:	No biological limit allocated.
Control Banding:	No control banding allocated.
Engineering Controls:	Use general and/or local exhaust ventilation to control vapour. Provide safety shower and eye washes in work area.
Individual Protection Measures, for example, Personal Protective Equipment (PPE):	<i>Eye and Face Protection:</i> Safety goggles. <i>Skin Protection:</i> Work clothes with long sleeves and long pants. Work shoes. Impermeable gloves such as rubber or polyvinyl chloride. <i>Respiratory Protection:</i> Appropriate respirator for dust. <i>Thermal Hazards:</i> None specified.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Pale yellow transparent liquid.
Odour:	Slight amine-like odour
pH:	5.0-7.0 (1% aqueous solution)
Vapour Pressure:	66 Pa (at 25°C, N-methyl-2-pyrrolidone) 59.4 Pa (at 25°C, Dimethyl sulfoxide)
Vapour Density (air=1):	Not available
Boiling Point:	202°C (N-methyl-2-pyrrolidone) 189°C (dimethyl sulfoxide)
Melting Point:	< -5°C (mixture of N-methyl-2-pyrrolidone and Dimethyl sulfoxide)
Solubility in Water:	Soluble
Solubility in Solvent:	Not available
Specific Gravity:	1.09-1.13 (20/4°C)
Bulk Density:	Not applicable
Flash Point and Method of Detecting Flash Point:	89.4°C (Tag closed cup) 102°C (Cleveland open cup)
Explosive Properties:	Not explosive
Log Po/w:	0.79/25°C (as active ingredient)



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Oxidizing Properties: Not oxidizing
Autoignition Not available
Temperature:
Evaporation Rate (Ethyl acetate=1): 0.03 (N-methyl-2-pyrrolidone)
0.026 (dimethyl sulfoxide)

10. STABILITY AND REACTIVITY

Reactivity: May react with strong oxidizing agents (such as chlorates, nitrates, peroxides etc) and organic peroxide.
Chemical Stability: Stable under normal storage and handling conditions.
Possibility of Hazardous Reactions: Hazardous polymerization does not occur.
Conditions to Avoid: High temperature, Hygroscopic
Incompatible Materials: Oxidizing agents, strong acids or bases.
Hazardous Decomposition Products: Thermal decomposition or combustion may produce toxic and irritative gas or fume such as Carbon oxides, nitrogen oxides, sulfur oxide, hydrogen chloride.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity:
Oral: LD₅₀(rat): 580 mg/kg
LD₅₀(mouse): 404 mg/kg (male), 335 mg/kg (female)
Dermal: LD₅₀(rat): >2000 mg/kg (male, female)
Inhalation: LC₅₀(rat): 6.54 mg/L (4 hr)
Skin Corrosion/Irritation: Dermal (rabbit): Not irritant
Serious Eye Damage/Irritation: Eye (rabbit): Moderate
(Effects are well below threshold for classification)
Respiratory or Skin Sensitisation: Dermal (guinea pigs): Non-sensitising
Respiratory: Not available



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**Germ Cell
Mutagenicity:**

Active ingredient:
Ames test: Negative
Chromosomal aberration test: Positive in vitro, but negative in vivo
(Metaphase analysis in rat bone marrow)
UDS study: Negative
Micronucleus test: Negative (mouse)

Carcinogenicity:

Active ingredient:
Rat, mouse: Negative

	NTP	IARC Monograph	OSHA
Active Ingredient	Not listed	Not listed	Not listed

**Reproductive
Toxicity:**

Active ingredient: Negative (rat)
Teratogenicity:
Active ingredient: Negative (rat)
Negative (rabbit)
Suspected of damaging fertility or the unborn child.
This product was classified as hazard category 2 because the
content of N-Methyl-2-pyrrolidone for hazard category 2 is $\geq 3.0\%$
May cause respiratory irritation.

**Specific Target
Organ Toxicity
(STOT) – single
exposure:**

This product was classified as hazard category 3 because the
content of N-Methyl-2-pyrrolidone for hazard category 3 is $\geq 20\%$

**Specific Target
Organ Toxicity
(STOT) –
repeated
exposure:**

Causes damage to organs (bone marrow, spleen, adrenal,
kidneys, respiratory apparatus, liver) through prolonged or
repeated exposure.
This product was classified as hazard category 1 (bone marrow,
spleen, adrenal, kidneys, respiratory apparatus, liver) because the
content of N-Methyl-2-pyrrolidone for hazard category 1 (bone
marrow, spleen, adrenal, kidneys, respiratory apparatus, liver) is
 $\geq 10\%$.

**Aspiration
Hazard:**

Not available

**Effect of Chronic
Exposure:**

Active ingredient:
Chronic toxicity
NOAEL (rat): 7.1 mg/kg/day (male), 8.8 mg/kg/day (female) (2
years)
NOAEL (mouse): 20.3 mg/kg/day (male), 25.2 mg/kg/day
(female) (1.5 years)

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Acute Toxicity to Aquatic Organisms
Acute Toxicity to Fish (carp); LC₅₀ (96 hr): 386 mg/L
Acute Toxicity to Daphnia; EC₅₀ (48 hr): 557 mg/L
Acute Toxicity to Algae; EbC₅₀ (72 hr): 560 mg/L



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Persistence and Degradability: Not readily biodegradable (as active ingredient).

Bioaccumulative Potential: Not bioaccumulative (as active ingredient).

Mobility in Soil: Not applicable

Other Adverse Effects: Do not sprinkle near mulberry field because this substance is harmful to silkworms.

13. DISPOSAL CONSIDERATIONS

Disposal Methods:

Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

Dispose of contents/container in accordance with local/national/international regulations.

Special Precautions for Incineration or Landfill:

Follow relevant Federal, State or local regulations.

14. TRANSPORT INFORMATION

Road Transport

This product is not classified as a Dangerous Good under the Australian Code for the Transport of Dangerous Goods by Road and Rail.

UN Number: Not applicable

Proper Shipping Name or Technical Name: Not applicable

Transport Hazard Class: Not applicable

Packing Group: Not applicable



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Sea Transport

This product is not classified as dangerous goods in IMDG Code.
Marine pollutant: Not applicable

Air Transport

This product is not classified as dangerous goods in ICAO/IATA-DGR.
Environmentally hazardous: Not applicable

15. REGULATORY INFORMATION

SUSMP: Schedule 6

APVMA: Registered according to the Agricultural and Veterinary
Chemicals Act 1988.
APVMA Product Number: 58300

16. OTHER INFORMATION

Trademark Information: Intruder is a Registered Trademark of Nippon Soda Co Ltd.

Abbreviations and Acronyms: APVMA – Australian Pesticides and Veterinary Medicines Authority
IARC – International Agency for Research on Cancer
ADG - Australian Code of Transport of Dangerous Goods by Road and Rail
ICAO – International Civil Aviation Organization
IATA – International Air Transport Association
NOHSC – National Occupational Health and Safety Commission
NTP – National Toxicology Program
OSHA – Occupational Safety and Health Administration
SUSMP – Standard for the Uniform Scheduling of Medicines and Poisons

Date of Preparation or Revision: January 2017

Data Sources: Manufacturer product safety data sheet (revised 18 January 2017 version 2) and published data

This SDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this SDS and consider the information in the context of how the product will be handled and



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used in the workplace including in conjunction with other products.

The opinions expressed herein are those of qualified experts with the manufacturer. Since the use of this information and of these opinions and the conditions of use of this product are not within the control of AgNova Technologies Pty Ltd, it is the user's obligation to determine the conditions of safe use of the product.

END OF SDS