



MATERIAL SAFETY DATA SHEET

INTRUDER[®] INSECTICIDE

Date of Issue: June 2012

1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND SUPPLIER

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

Other Names:

Recommended Use: **For the control of certain insect pests on cotton as per Directions for Use.**

Supplier: AgNova Technologies Pty Ltd

ACN: 097 705 158

Address: Suite 3/935 Station Street
Box Hill North Vic 3129 Australia

Telephone: (03) 9899 8100

Facsimile: (03) 9899 8500

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Contact: Managing Director

Emergency

Telephone

Number: 1800 033 111(24 hrs)

2. HAZARDS IDENTIFICATION

HAZARDOUS SUBSTANCE – NON-DANGEROUS GOOD

Hazard Classified as hazardous according to the criteria of NOHSC.

Designation:

Risk Phrases: R22 Harmful if swallowed

R52 Harmful to aquatic organisms

R53 May cause long-term adverse effects in the aquatic environment

Safety Phrases: S2 Keep out of reach of children

S46 If swallowed, seek medical advice immediately and show this container or label.

S61 Avoid release to the environment. Refer to special instructions/Material Safety Data Sheets.

ADG

Classification: 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 / INFORMATION ON INGREDIENTS



MATERIAL SAFETY DATA SHEET

INTRUDER® INSECTICIDE

Date of Issue: June 2012

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

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 Material Safety Data Sheet to a doctor.

- Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.
- Ingestion:** Do not induce vomiting unless directed to do so by medicinal personnel. Never give anything by mouth to an unconscious person. Call a physician.
- Skin contact:** Wash skin with soap and water. Remove contaminated clothing. Get medical help, if irritation persists.
- Eye contact:** Immediately flush eyes with plenty of water for at least 15 min. Get medical help.
- First Aid Facilities:** Provide washing facilities in the workplace.
- Medical attention:** Treat symptomatically. No specific antidote known.

5. FIRE FIGHTING MEASURES

- Suitable Extinguishing Media:** Carbon dioxide, foam, dry chemicals, water spray (fog)
- Hazards from Combustion Products:** This product may evolve harmful and irritant gases and fumes such as CO, NO_x, SO_x, HCl or organic compounds by being heated or on combustion.
The containers may explode by being heated.
- Precautions for Fire Fighters and Special Protective Equipment:** *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 organic compounds in heating or combusting.
Fire-Fighting procedure:



MATERIAL SAFETY DATA SHEET

INTRUDER[®] INSECTICIDE

Date of Issue: June 2012

Move containers away from fire area if it can be done without risk. If impossible to remove containers from fire zone, cool them with water spray.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures:

Protective equipment

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

Personal precaution

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

Environment precaution

Prevent release to the environment as this product may be harmful to aquatic organisms.

Methods for 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.

Handling: Keep away from all ignition sources.
Avoid contact with skin, eyes and clothing.
Avoid breathing vapour or mist. Use only in well ventilated areas.
Ground equipment to avoid charging static electricity.
Avoid releasing this product to the environment.

Conditions for Safe Storage: Store in closed, original container, in a dry, cool, well ventilated area.
Avoid direct contact with oxidizing agents or organic peroxide.



MATERIAL SAFETY DATA SHEET

INTRUDER® INSECTICIDE

Date of Issue: June 2012

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National Exposure Standards:	No exposure standard allocated for acetamiprid. Alternative Standards (for solvents): The MAKs TWA for N-Methyl-2-pyrrolidone is 80 mg/m ³ The AIHA WEELs TWA for Dimethyl sulfoxide is 250 ppm
Biological Limit Values:	No biological limit allocated.
Engineering Controls:	Use general and/or local exhaust ventilation to control vapour. Provide safety shower and eye washes in work area.
Personal Protective Equipment:	Poisonous if swallowed. Will irritate the eyes. Avoid contact with eyes and skin. Avoid breathing vapour or spray mist. When opening the container, preparing the spray, and using the prepared spray, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), butyl rubber gloves and face shield or goggles. If product in eyes, wash it out immediately with water. Wash hands after use. After each day's use wash gloves and face shield or goggles and contaminated clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Pale yellow transparent liquid.
Odour:	Slight amine-like odour
pH:	5.0-7.0
Vapour Pressure:	Not available
Vapour Density (air=1):	3.42 (N-methyl-2-pyrrolidone) 2.7 (dimethyl sulfoxide)
Boiling Point:	202°C (N-methyl-2-pyrrolidone) 189°C (dimethyl sulfoxide)
Melting Point:	< -5°C
Solubility:	Soluble
Specific Density:	1.107 g/cm ³ (at 20°C)
Flash Point and Method of Detecting Flash Point:	102°C (Cleveland open cup)
Upper and Lower Flammable (Explosive) Limits in Air:	Not available
Ignition Temperature:	Not available



MATERIAL SAFETY DATA SHEET

INTRUDER[®] INSECTICIDE

Date of Issue: June 2012

10. STABILITY AND REACTIVITY

Chemical Stability:	Stable
Conditions to Avoid:	None specified
Incompatible Materials:	Oxidizing agents, organic peroxide, strong acids or bases.
Hazardous Decomposition Products:	CO, NO _x , SO _x , HCl and organic compounds on combustion.
Hazardous Reactions:	Hazardous polymerization will not occur. May react with strong oxidizing agents (such as chlorates, nitrates, peroxides etc) and organic peroxide.

11. TOXICOLOGICAL INFORMATION

Oral Toxicity:	LD ₅₀ (rat): 580 mg/kg LD ₅₀ (mouse): 404 mg/kg(male), 335 mg/kg(female)
Dermal Toxicity:	LD ₅₀ (rat): >2000 mg/kg
Inhalation Toxicity:	EC ₅₀ (rat): 6.54 mg/L (4 hr)
Effect of Chronic Exposure:	Chronic toxicity/Carcinogenicity test (2 years) (active ingredient) NOEL(rat): 7.1 mg/kg/day (male), 8.8 mg/kg/day (female), Carcinogenicity: Negative
Skin Irritation:	Skin (rabbit): Negative
Eye Irritation:	Eye (rabbit): Moderate
Sensitisation:	Dermal (guinea pigs): Negative
Mutagenicity:	<i>Active ingredient:</i> Ames test: Negative Rec-Assay: Negative UDS test: Negative Chromosomal aberration test: Positive Micronucleus test: Negative
Teratogenicity:	<i>Active ingredient:</i> Teratogenicity (rat, rabbit): Negative
Reproductive	<i>Active ingredient:</i>



MATERIAL SAFETY DATA SHEET

INTRUDER[®] INSECTICIDE

Date of Issue: June 2012

Toxicity: 2-generations reproductive test (rat):
Reproductive Toxicity: Non-toxic

Carcinogenicity *Active ingredient:*
:
Rat, rabbit: Negative

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

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

Mobility: Not specified

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.

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 regulation.

14. TRANSPORT INFORMATION

UN Number: Not applicable
UN Proper Shipping Name: Not applicable
Class and Subsidiary Risk: Not applicable
Packing Group: Not applicable
Special Precautions for User: Not applicable
Hazchem Code: Not applicable



MATERIAL SAFETY DATA SHEET

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15. REGULATORY INFORMATION

SUSMP: Schedule 6

APVMA: Registered according to the Agricultural and Veterinary Chemicals Act 1994.
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
NOHSC – National Occupational Health and Safety Commission
SUSMP – Standard for the Uniform Scheduling of Medicines and Poisons

Date of Preparation or Revision: June 2012.

Data Sources: Manufacturer product safety data and published data

This MSDS 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 MSDS and consider the information in the context of how the product will be handled and 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 MSDS