



MSDS OF NAADCO ABAMECTIN 18 EC INSECTICIDE / MITICIDE

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name	NAADCO ABAMECTIN 18 EC INSECTICIDE / MITICIDE
Supplier	New Australia Agricultural Development Company Pty Limited
Address	Rear 150-154 Parramatta Rd, Auburn, NSW, 2144
Telephone	+61 2 94983675, 0430990521
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Website	www.naadco.com.au

2. HAZARDS IDENTIFICATION

Classified as hazardous according to criteria of Safe Work Australia.

Classified as a Dangerous Good according to the ADG Code.

Combustible Liquid (C1).

Signal word (CLP): Danger

Hazardous ingredients: Abamectin

Hazard statements (CLP):

- H227 Combustible liquid.
- H302 Harmful if swallowed.
- H315 Causes skin irritation.
- H320 Causes serious eye irritation.
- H331 Toxic if inhaled.
- H335 May cause respiratory irritation.
- H360 May damage the unborn child.
- H410 Very toxic to Aquatic life with long lasting effects.

Precautionary statements (CLP) :

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, hot surfaces, sparks, open flames and other sources of ignition. No smoking.
- P261 Avoid breathing mist, vapours or spray.
- P264 Wash hands, arms and 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.
- P273 Avoid release to the environment.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P281 Use personal protective equipment as required.



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Response:

P301 + P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if feel unwell.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P304 + P340	IF INHALED: Remove victim to fresh air and keep at rest in a position 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:
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P321	Specific treatment see Safety Directions on product label.
P332 + P313	If skin irritation occurs: Get medical advice/attention.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P370 + P378	In case of fire: Use carbon dioxide, foam or dry agent for extinction.
P391	Collect spillage.

Storage:

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

Disposal:

P501	Dispose of contents/container in accordance with national regulations.
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Pictograms:



3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients	CAS Number	Concentration
Abamectin	71751-41-2	18g/L
Liquid Hydrocarbon	64742-47-8	481g/L
NMP	872-50-4	100g/L
Solvent 150#	64742-94-5	401g/L

4. FIRST AID MEASURES

General Information:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident. You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this SDS with you when you call.

Inhalation:

Remove affected person to fresh air until recovered. If symptoms develop or persist, seek medical advice.



Skin Contact:

Wash gently and thoroughly with water (use non-abrasive soap if necessary) for 5 minutes or until chemical is removed.

Eye Contact:

Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 5 minutes or until the product is removed, while holding the eyelid(s) open. Obtain medical advice immediately if irritation occurs. Take special care if exposed person is wearing contact lenses.

Ingestion:

If swallowed, do not induce vomiting. Rinse mouth and then drink plenty of water. Contact the Poisons Information Centre on 13 11 26 (Aust).

5. FIRE FIGHTING MEASURES

Suitable extinguishing media Hazards from combustion products:

Hazardous combustion products include oxides of carbon and nitrogen, other nitrogen compounds, nitrogen, hydrogen cyanide and water.

Product is combustible.

Closed containers may explode when exposed to extreme heat. Containers close to fire should be removed if safe to do so. Use water spray to cool fire exposed containers.

Prevent run-off from fire fighting measures from entering drains or water courses.

HAZCHEM code: 2X

Special Protective Equipment and Precautions for Fire Fighters:

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear approved self-contained breathing apparatus and full protective clothing. 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.

Clean-up Methods:

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 labelled container for disposal. Provide adequate ventilation.

Environmental Precautions:

In the event of a major spill, prevent spillage from entering drains or water courses.

7. HANDLING AND STORAGE

Handling:

No smoking, eating or drinking should be allowed where material is used or stored. Poisonous if absorbed by skin contact or swallowed. Will damage eyes. Will irritate the skin. Avoid contact with eyes and skin. Do not inhale spray mist. When opening the container, preparing spray and using prepared spray, wear cotton overalls buttoned to the neck



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and wrist and a washable hat, elbow length PVC gloves and goggles. For space applications, wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow length PVC gloves, goggles and half facepiece respirator with dust cartridge or canister. If product in eyes, wash it out immediately with water. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash gloves, goggles, contaminated clothing and respirator (and if rubber, wash with detergent and warm water).

Storage:

Do NOT contaminate dams, rivers or streams, or any other water bodies with pesticide or used containers. Store in the closed original container in a dry, cool, well-ventilated area out of direct sunlight. Check packaging - there may be further storage instructions on the label.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Appropriate engineering controls:

Handle in well ventilated areas, generally natural ventilation is adequate.

Respiration Protection:

Use an approved vapour respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information.

Hygiene Measures:

Poisonous if absorbed by skin contact or swallowed. Will damage eyes. Will irritate the skin. Avoid contact with eyes and skin. Do not inhale spray mist. Clean water should be available for washing in case of eye or skin contamination. Wash skin before eating, drinking or smoking. Shower at the end of the workday.

Requirements Concerning:

Check State or Territory regulations that require people who use pesticides in their job or business to have training in the application of the materials.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Liquid
Appearance	Clear colorless to pale yellow color
Boiling point	No data.
Freezing point	No data.
Specific Gravity	Approximately 1.0.
Solubility in Water	Emulsifies in water.
pH	No data available.
Flammability	Combustible liquid (C1).
Corrosive hazard	Not corrosive.
Flashpoint (°C)	~ 70°C.
Poisons Schedule	S6.
Formulation type	Emulsifiable Concentrate.

10. STABILITY AND REACTIVITY



Chemical Stability:

Product is considered stable in ambient conditions for a period of at least 2 years after manufacture.

Conditions to avoid:

Heat, sparks, open flames, hot surfaces and direct sunlight.

Incompatible materials:

Oxidizing agents.

Hazardous decomposition products:

When involved in a fire will emit toxic and noxious decomposition products/fumes (eg. oxides of carbon and nitrogen compounds).

11. TOXICOLOGICAL INFORMATION

Acute Toxicity - Oral	LD50 (rat) 300 mg/kg
Acute Toxicity -Dermal	LD50 (rabbit) 1800 mg/kg
Acute Toxicity -Inhalation	LC50 (rat) (4hr) >3.5mg/l/4h
Skin corrosion/irritation	Moderately Irritating (rabbit)
Serious eye damage/irritation	Moderately Irritating (rabbit)
Respiratory or skin sensitisation	Sensitizing (Guinea Pig)
Reproductive/Developmental Effects	Abamectin: Reproductive toxin in animal studies only at doses acutely toxic to the maternal animal.
Chronic/Subchronic Toxicity Studies	Abamectin: Central nervous system effects in animals.
Carcinogenicity	Abamectin: None observed.

12. ECOLOGICAL AND ECOTOXICOLOGICAL INFORMATION

Ecology - general:

Highly toxic to bees, and practically non-toxic to birds.

Environmental Protection:

Spray drift can cause damage, read the label for more information.

Acute Toxicity - Fish:

LC₅₀(96hr) 3.6ppb (Rainbow Trout)

Acute Toxicity -Daphnia:

EC₅₀ (48hr) for daphnia is 0.77ppm

Acute Toxicity -Algae:

LC₅₀(72h) for algae is >100ppm

Persistence and degradability:

Easily biodegradable. Half-life range from 8 hours at soil surface to 2 months in dark aerobic environments.

Bioaccumulative Potential:

No data available on finished product.

Mobility in Soil:

Due to the product's low solubility, it has low mobility in soil, and is not expected to leach or contaminate groundwater.

13. DISPOSAL CONSIDERATIONS



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Disposal: Do not reuse empty containers unless they are specifically designed to be re-used. Empty container retains product residue. Triple rinse, or equivalent, empty container, return rinse water to dilution mixture. Dispose of dilution mixtures and other residues according to local regulations if it cannot be disposed of by use according to label instructions. Dispose of empty containers in accordance with local regulations. Consult provincial environment ministry for advice on waste disposal. Industrial/commercial waste may be handled at licensed facilities only. Waste shipments must be securely packaged and properly labelled. Only licensed carriers may be used, and proper documents must accompany the shipment.

14. TRANSPORT INFORMATION

ROAD AND RAIL TRANSPORT: This material is not regulated for transport by air.

AIR AND SEA TRANSPORT: Classified as dangerous goods for transport by air and sea.

UN No: 2902

Class: 6.1

Packing group: III

Proper Shipping Name

ADG PESTICIDE, LIQUID, TOXIC, N.O.S. (Abamectin (combination of avermectin B1a and avermectin B1b) (ISO)), ENVIRONMENTALLY HAZARDOUS

IMDG PESTICIDE, LIQUID, TOXIC, N.O.S. (Abamectin (combination of avermectin B1a and avermectin B1b) (ISO)), MARINE POLLUTANT

IATA PESTICIDE, LIQUID, TOXIC, N.O.S. (Abamectin (combination of avermectin B1a and avermectin B1b) (ISO))

15. REGULATORY INFORMATION

AICS: All of the significant ingredients in this formulation are compliant with NICNAS regulations.

This product is registered with the Australian Pesticides and Veterinary Medicines Authority (APVMA)

16. OTHER INFORMATION

Version 1.0

Revision Date: 2023.11.01

The information contained in this MSDS is provided in good faith and is believed to be correct and the date hereof. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the works place including in conjunction with other products.

Please read all labels carefully before using product.