



SAFETY DATA SHEET
CHEMTURA ABAMECTIN
INSECTICIDE/MITICIDE EC

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: Chemtura Abamectin Insecticide/Miticide EC
Other Names: -
Product Codes: -
Recommended Use: An insecticide/miticide for the control of pest mites on pears, apples, tomatoes, citrus, hops, strawberries and ornamentals and for the control of pest mites and native budworm on cotton.
Chemical Family: Avermectin
Supplier: Chemtura Australia Pty Ltd
ABN: 005 225 507
Street Address: Level 7, 435 King William Street
Adelaide South Australia 5000
Telephone Number: 61 8 8112 0900
Facsimile Number: 61 8 8112 0999
Emergency Telephone: 1800 033 111 (24-hour service)

2. HAZARDS IDENTIFICATION

Hazard Classification: **HAZARDOUS SUBSTANCE, DANGEROUS GOOD**
Classified according to the criteria of the National Occupational Health and Safety Commission (NOHSC).

Hazard Symbols: European/International Regulation:
N - Dangerous for the environment
Xn - Harmful

Risk Phrases: R22: Harmful if swallowed
R38: Irritating to the skin
R41: Risk of serious damage to eyes
R43: May cause sensitization by skin contact.
R50/53: Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment

Safety Phrases: S2: Keep out of the reach of children.
S13: Keep away from food, drink and animal feedstuffs.
S20/21: When using, do not drink, eat or smoke.
S 36/37: Wear suitable protective clothing and gloves
S 45: In case of accident or if you feel unwell, seek medical advice immediately (show the label whenever possible.)
S 46: If swallowed, seek medical advice immediately and show this container or label.
S 61: Avoid release to the environment. Refer to special instructions/Safety data sheets.
SP1: Do not contaminate water with the product or its container. (Do not clean application equipment near surface water/Avoid contamination via drains from farmyards and roads).

Poisons Schedule: Schedule 6
Dangerous Goods Class: Dangerous Good Class 6.1. PESTICIDES, LIQUID TOXIC, N.O.S (CONTAINS ABAMECTIN)

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical Identity	Common Name(s) and Synonym(s)	CAS Number	Concentration (g/L)
Abamectin	Abamectin	65195-55-3 & 65195-56-4	18
Solvents	Solvents	-	Balance to 1 litre

4. FIRST AID MEASURES

Ingestion:	Rinse mouth with water. Drink 1 or 2 glasses of water. Do not induce vomiting without medical advice. Consult a physician.
Inhalation:	Move to the fresh air. Give artificial respiration if necessary. Immediately get medical attention.
Eye Contact:	Flush with running water for at least 15 minutes while holding eyelids open to help flush out material. Do not contaminate the other eye. Get medical attention.
Skin Contact:	Remove contaminated clothing and shoes immediately. Wash thoroughly with soap and water. Get medical attention.
Advice to Doctor:	Provide material safety data sheet
First Aid Facilities:	Eye wash station.
Additional Information:	If poisoning occurs contact a doctor or Poison Information Centre. Phone Australia 131 126; New Zealand 03 4747 000

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media:	Water spray, carbon dioxide and powder.
Hazards from Combustion Products:	Do not use water jet. In fire it is combustible and will release harmful smoke.
Precautions for Fire fighters and Special Protective Equipment:	In the event of fire, wear self-contained breathing apparatus.
HazChem Code:	Not available.
Additional Information:	Do not flush into surface water or sanitary sewer system or the rivers and collect to proper containers. Cool the closed containers near the source of fire by water spraying.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures:	Personal precautions: Wear personal protective equipment.
Methods and Materials for Containment and Clean-Up Procedures:	Methods for cleaning up: Collect up promptly by absorbing material, like sand, soil, kieselgur, vermiculite, and then shovel into suitable container for disposal.

7. HANDLING AND STORAGE

Precautions for Safe Handling:	Harmful if swallowed. Avoid getting in eyes, on skin or clothing. Remove contaminated clothing immediately. Wash thoroughly after handling.
Conditions for Safe Storage:	Do not use or store near heat or open flame. Store in the original closed container and in cool, dry and well-ventilated place.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

National Exposure Standards:	Not available
Biological Limit Values:	Not available
Engineering Controls:	Ensure good ventilation in confined space.
Personal Protective Equipment (PPE):	Eye/Face: To protect against accidental eye contact, goggles/face-shield should be worn. Hand Protection: Rubber gloves should be worn. Skin Protection: Light protective clothes should be worn according to local regulations. Wash thoroughly with soap and water after handling. Respiratory Protection: Ensure good ventilation and wear half-mask with adequate filter.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Yellowish liquid
Odour:	Characteristic odour
pH:	6.1

Melting Point:	Not available
Solubility:	Miscible in water
Density:	0.9694g/ml
Flammability:	Not flammable
Oxidizing Potential:	Not an oxidant
Flashpoint:	76°C

10. STABILITY AND REACTIVITY

Chemical Stability:	Stable under the normal handling and storage conditions.
Incompatible Materials:	Avoid mixed with pesticides having highly acidic and alkaline nature.
Hazardous Decomposition Products:	Thermal decomposition may emit toxic fumes and irritating vapors.
Polymerisation:	Will not occur.

11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure:	
Acute Health Effects:	Acute Oral Toxicity: LD ₅₀ for rats >303 mg/kg Acute Dermal Toxicity: LD ₅₀ for rabbits >2020 mg/kg Acute Inhalation Toxicity: LC ₅₀ (4 h) for rats >2.29 mg/l
Chronic Health Effects:	Skin Irritation: Moderately irritating Eye Irritation: Severely irritating Skin sensitization: May cause sensitization by skin contact.

12. ECOLOGICAL INFORMATION

Ecotoxicity:	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Algae: for green algae, EC ₅₀ (96h) = 13.12mg/L (based on formulated material). Bird: LD ₅₀ > 2000mg/kg for Japanese quail (based on formulated material). Fish: LC ₅₀ (96h) = 5.31 mg/L for Zebra fish (based on formulated material). Daphnia: EC ₅₀ (48h) = 6.30µg/L for <i>Daphnia similis</i> (based on formulated material). Earthworm: LC ₅₀ (14day) = 2332.61mg/kg (based on formulated material). Honeybee: LD ₅₀ (48h) = 0.35µg/bee (based on formulated material).
Persistence/Degradability:	Bioaccumulation: No bioaccumulation. Stability in water: Biodegradable in water. Stability in soil: Biodegradable in soil.

13. DISPOSAL CONSIDERATIONS

Disposal Method(s):	Disposal of product would be treated, stored, transported, and disposed of according to the local waste regulation.
Precautions for Landfill or Incineration:	Do not flush to surface water or sanitary sewer system. Empty containers and product should not be burnt.

14. TRANSPORT INFORMATION

UN Number:	3082
UN Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (CONTAINS ABAMECTIN)
DG Class & Subsidiary Risk:	6.1
Packing Group:	III
EPG/GTEPG:	Guide 47
Special Precautions for User:	Not available
HazChem Code:	Not available
Other Information:	IATA Classification Shipping Name: Environmentally hazardous substance, liquid, N.O.S. Abamectin 18g/l Emulsifiable Concentrate Class: 9

UN No.: 3082
Packaging Group III
IMO Classification
Shipping Name: Environmentally hazardous substance, liquid, N.O.S.
Abamectin18g/l Emulsifiable Concentrate
Class: 9
UN No.: 3082
Packaging Group III
Marine Pollutant
ADR Classification:
Shipping Name: Environmentally hazardous substance, liquid, N.O.S.
Abamectin18g/l Emulsifiable Concentrate
Class: 9
UN No.: 3082
Packaging Group III

15. REGULATORY INFORMATION

Poisons Schedule: Schedule 6.
Additional Information: APVMA Product No. 63632

16. OTHER INFORMATION

Date of Preparation: April, 2009
Revision Date: -
Revision Number: 0
Revision Summary: Rev 0 -

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~END OF SAFETY DATA SHEET~