

SAFETY DATA SHEET

ABBA

Date of Issue: 11th July 2018

1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION

Chemical name of active ingredient(s): Abamectin

Recommended use: Insecticide

Supplier: Agrisource 2000 Limited
45 Kitchener Road
Pukekohe
Phone: 09 237 0422

Emergency telephone number: 0800 Poison (0800 764 766) 24 Hours

2. HAZARDS IDENTIFICATION

Hazard Classifications: 3.1D, 6.1D, 6.1E, 6.3B, 6.4A, 6.8B, 6.8C, 6.9B, 9.1A, 9.2C, 9.3B, 9.4A

Required identification Details:

- 3.1D: **WARNING** – Combustible Liquid
- 6.1D: **WARNING** – May be harmful if swallowed, inhaled or absorbed through the skin.
- 6.1E: **HARMFUL** - May be harmful if swallowed, inhaled or absorbed through the skin.
- 6.3B: **HARMFUL** – May cause mild skin irritation.
- 6.4A: **HARMFUL** - May cause eye irritation.
- 6.8B: **HARMFUL** – May cause reproductive/development damage from repeated oral exposure.
- 6.8C: **HARMFUL** – May cause harm to breastfeed children from repeated oral exposure.
- 6.9B: **HARMFUL** – May cause organ damage from repeated oral exposure at high doses.
- 9.1A: **ECOTOXIC** – Very Toxic to aquatic organisms. Avoid contamination of any water supply with product or empty container.
- 9.2C: **Harmful** to the soil environment.
- 9.3B: **Harmful** to terrestrial vertebrates.
- 9.4A: **Very toxic** to terrestrial invertebrates.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/preparation Information on hazardous ingredients

Common name	CAS No	%
Abamectin	71751-41-2	1.8
Hydrocarbon solvent	64742-95-6	30-60
Isophrone	78-59-1	30-60
BHT	128-37-0	<10
Other ingredients	Proprietary	Balance

4. FIRST-AID MEASURES

Description of necessary first aid measures: In case of poisoning by any exposure route contact the National Poisons and Hazardous Chemicals Information Centre, PO Box 913, Dunedin. **Phone 0800 764 766, (0800 POISON).**

First-aid measures

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion:

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Skin contact:

In case of contact, immediately flush skin with plenty of Water and soap. Remove contaminated clothing. Cold water may be used. Wash clothing before reuse. Get medical attention.

Eye contact:

Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Get medical attention.

5. FIRE-FIGHTING MEASURES

HAZCHEM Code:

2X

Extinguishing media :

Water spray, extinguishing powder, foam, carbon dioxide.

Fire Hazard Properties:

May give off toxic fumes during fire.

Protection of fire-fighters:

Wear protective clothing and self contained breathing apparatus. Do not breathe smoke or gases.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Avoid contact with skin and eyes. Do not inhale spray. Wear long sleeved shirt, long pants, waterproof gloves and safety goggles or face shield. Do not eat, drink or smoke when using. Wash hands and face before meals and after work.

Environmental precautions:

Do NOT allow spilled product or wash solution to enter sewers, drains, dams, creeks or any other waterways.

Methods for cleaning up:

In the case of spillage, contain spilled material. Keep out animals and unprotected persons. Keep material out of streams and sewers. Vacuum or shovel waste into a drum. To decontaminate spill area, tools and equipment, wash with water. Dispose of drummed wastes in accordance with the requirements of Local Authorities

7. HANDLING AND STORAGE**Handling:**

When mixing or applying, avoid breathing dust and contact with skin and eyes. Wear protective clothing, gloves and goggles. Do not eat or drink while using. Wash hands and face before meals and after work. Wash protective clothing after work.

Storage:

Store in original container tightly closed and in a locked, dry, cool, well ventilated area, away from feed, seeds and foodstuffs. Keep out of reach of children. Store in accordance with the New Zealand Standard for the Management of Agrichemicals (NZS8409).

Packaging materials:

COEX Plastic bottle.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Engineering measures**

Ensure ventilation is adequate, generally natural ventilation is adequate.

Workplace Exposure Standards:

Product – None established.

Active ingredient – None established.

Excipients – isophorone 5 ppm, 28mg/m³ (ceiling)

Hydrocarbon solvent 15ppm (8hr TWA) 30ppm (15min STEL)

Personal Protective Equipment**Respiratory system:**

Where insufficient ventilation, use suitable respiratory protection.

Skin and body:

When opening the container, preparing spray and using prepared spray wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length PVC gloves and goggles.

Hands:

Elbow-length and PVC gloves

Eyes:

Wear chemical goggles or face shield.

General hygiene:

Avoid inhaling aerosols and vapours. Avoid contact with eyes and skin. Store work clothes and street clothes separately. Wash hand before breaks and at the end of work. Change contaminated protective clothing. Keep away from food, drinks and tobacco.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Colour:	Clear yellow
Odour:	Aromatic solvent
pH:	4.5 – 7.0 (CIPAC MT 75.1)
Boiling Point:	Decomposes >90°C
Specific gravity or density:	Approx. 0.95 (20°C) (refer to specific batch COA)
Flashpoint:	60-90°C.
Explosion properties:	Not an explosive.
Oxidation properties:	Not an oxidizer.

10. STABILITY AND REACTIVITY

Stability:	Stable under normal ambient and anticipated storage conditions (0° - 30° C.)
Conditions to avoid:	Extreme heat.
Materials to avoid:	Strong acids, alkalis and other oxidizing agents
Hazardous decomposition Products:	Will not occur under normal storage and recommended conditions.
Hazardous reactions :	At high temperatures, oxides of carbon may be formed which can be toxic, flammable or even corrosive.

11. TOXICOLOGICAL INFORMATION

Acute toxicity – Oral :	LD ₅₀ 10 mg/kg (Rat)
Acute toxicity - Dermal :	LD ₅₀ > 2,000 mg/kg (Rat)
Acute toxicity – Inhalation	LC ₅₀ > 5000 mg/kg (Rat 4h)
Skin irritation :	Slightly irritating (rabbit)
Eye irritation:	Mildly irritating (rabbit)
Sensitisation :	Sensitizer to skin of rabbit

12. ECOLOGICAL INFORMATION

Toxicity to fish:	LC ₅₀ = 3.2 mg/l ,96 hr (Rainbow trout) 9.6mg/l 96hr(bluegill sunfish)
Toxicity to daphnia:	LC ₅₀ (48h) 0.34mg/l daphnia magna
Toxicity to algae:	EC ₅₀ >100mg/l
Toxicity to birds:	LD ₅₀ 84.6mg/kg Mallard duck LD ₅₀ >2000mg/kg Bobwhite quail

13. DISPOSAL CONSIDERATIONS

Methods of disposal:	Ideally, the product should be used for its intended purpose. If there is a need to dispose of the product, follow the recommendations in NZS 8409.
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CONTAINER DISPOSAL: Triple rinse container and add rinsate to spray tank. Dispose of cleaned container at your local AGRECOVERY container collection site.

14. TRANSPORT INFORMATION - International transport regulations

UN number:	2902
Class:	6.1
Packing Group:	III
Marine Pollutant:	Yes
Proper shipping name :	PESTICIDE, LIQUID, TOXIC, N.O.S. (ABAMECTIN)
INTERNATIONAL AIR TRANSPORT ASSOCIATION (IATA):	PESTICIDE, LIQUID, TOXIC, N.O.S. (ABAMECTIN)

15. REGULATORY INFORMATION

ACVM Registered Number:	P8448 (See www.foodsafety.govt.nz for registration Conditions).
HSNO Approval Code:	HSR000735 (See www.epa.govt.nz for controls).
Approved Handler:	This product must be under the personal control of an approved handler or secured.
Tracking:	Not required.

16. OTHER INFORMATION

Disclaimer EXCLUSION OF LIABILITY: PLEASE READ

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