



Beyond Business

EAST AFRICAN BUSINESS COMPANY

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MATERIAL SAFETY DATA SHEET

ABASI 5 EC

SECTION 1: PRODUCT IDENTIFICATION

Product name: Abamectin 5% EC

Brand Name: Abasi 5 EC

Chemical name: 5-O-demethylavermectin A_{1a} (i) mixture with 5-O-demethyl-25-de (1-methylpropyl)-25-(1-methylethyl) avermectin A_{1a} (ii)

Molecular weight: C₄₈H₇₂O₁₄ (avermectin B_{1a}); C₄₇H₇₀O₁₄ (avermectin B_{1b})

Molecular formula: 873.1 (avermectin B_{1a}); 859.1 (avermectin B_{1b})

CAS No.: 71751-41-2

SECTION 2: COMPOSITION AND INGREDIENT INFORMATION

Abamectin 5.0% w/v

SECTION 3: HEALTH HAZARD INFORMATION

Symptoms of acute exposure: Causes eye and skin irritation. Harmful if swallowed or absorbed through the skin. Allergic skin reactions are possible.

SECTION 4: FIRST AID MEASURES

Ingestion: Call a poison control center or doctor immediately for treatment advice. Do not give any liquid to the person. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.



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Eye contact: If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Skin contact: If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15- 20 minutes. Call a poison control center or doctor for treatment advice.

Inhalation: Move person to fresh air. If person is not breathing, call an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

Symptoms of human poisoning: Symptoms of poisoning observed in laboratory animals include pupil dilation, vomiting, convulsions and/or tremors, and coma.

Note to physician: No specific antidote is available. Symptomatic treatment.

SECTION 5: FIRE AND EXPLOSION INFORMATION

Unusual fire, explosion and reactivity hazards: Combustible liquid. It can release vapors which form explosive mixtures at temperatures at or above the flash point. Heavy vapors can flow along surfaces to distant ignition sources and flash back. During a fire, irritating and possibly toxic gases may be generated by thermal decomposition or combustion.

In case of fire: Use appropriate extinguishing media for combustibles in the area. Wear full protective clothing and self-contained breathing apparatus. Evacuate nonessential personnel from the area to prevent human exposure to fire, smoke, fumes or products of combustion. Prevent use of contaminated buildings, area, and equipment until decontaminated. Water runoff can cause environmental damage. If water is used to fight fire, dike and collect runoff.



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SECTION 6: ACCIDENTAL RELEASE MEASURES

In case of spill or leak: Control the spill at its source. Contain the spill to prevent from spreading or contaminating soil or from entering sewage and drainage systems or any body of water. Clean up spills immediately, observing precautions outlined in Section 8. Cover entire spill with absorbing material and place into compatible disposal container. Scrub area with hard water detergent (e.g. commercial products such as Tide, Joy, Spic and Span). Pick up wash liquid with additional absorbent and place into compatible disposal container. Once all material is cleaned up and placed in a disposal container, seal container and arrange for disposition.

SECTION 7: HANDLING AND STORAGE

Store the material in a well-ventilated, secure area out of reach of children and domestic animals. Do not store food, beverages or tobacco products in the storage area. Prevent eating, drinking, tobacco use, and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Ingestion: Prevent eating, drinking, tobacco usage and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling.

Eye contact: Where eye contact is likely, use chemical splash goggles. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.



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Skin contact: Where contact is likely, wear chemical-resistant (such as nitrile or butyl) gloves, coveralls, socks and chemical-resistant footwear. For overhead exposure, wear chemical-resistant headgear.

Inhalation: A combination particulate/ organic vapor respirator may be necessary until effective engineering controls are installed to comply with occupational exposure limits. Use a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with an HE prefilter.

Use a self-contained breathing apparatus in cases of emergency spills, when exposure levels are unknown, or under any circumstances where air-purifying respirators may not provide adequate protection.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Light yellow homogeneous transparent liquid

Odor: Characteristic

pH: 4.0- 7.0

SECTION 10: STABILITY AND REACTIVITY INFORMATION

Stability: Stable under normal use and storage conditions.

Materials to avoid: None known.

Hazardous decomposition products: Can decompose at high temperatures forming toxic gases.



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SECTION 11: TOXICOLOGICAL INFORMATION

Oral: Acute oral LD₅₀ for rats 369 mg/kg.

Dermal: Acute dermal LD₅₀ for rats >2000 mg/kg.

Inhalation: LC₅₀ rat (4 hour) > 2.0 mg/l

Irritation: Slightly irritating to skin, moderately irritating to eyes (rabbit)

Skin sensitization: Not a skin sensitizer (guinea pig)

SECTION 12: ECOLOGICAL INFORMATION

For Abamectin technical:

Birds: Acute oral LD₅₀ for mallard ducks 84, bobwhite quail >2000 mg/kg.

Fish: LC₅₀ (96 h) for rainbow trout 3.2, bluegill sunfish 9.44 µg/l.

Daphnia: EC₅₀ (48 h) 0.34µg/l.

Bees: Acute LD₅₀ (oral) 10.21ng/bee

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal: Do not reuse product containers. Dispose of product containers, waste containers, and residues according to local, state, and federal health and environmental regulations.

SECTION 14: TRANSPORT INFORMATION

Do not transport with food.

**SECTION 15: REGULATORY INFORMATION****Risk phrases:**

R23: Toxic by inhalation.

R25: Toxic if swallowed.

R36/38: Irritating to eyes and skin.

R61: May cause harm to the unborn child.

R65: Harmful: May cause lung damage if swallowed.

Safety phrases:

S2: Keep out of reach of children.

S23: Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).

S24: Avoid contact with skin.

S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S53: Avoid exposure-obtain special instructions before use.

S62: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

SECTION 16: OTHER INFORMATION**Disclaimer**

The information contained in the Safety Data sheet is correct to the best of our knowledge at the date of issue. It is intended as a guide for the safe use, handling, disposal, storage and transportation and is not intended as a warranty or as a specification. The information relates only to the product specified and may not be suitable for combinations with other materials or in processes other than those specifically described herein.

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Disclaimer

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