

MATERIAL SAFETY DATA SHEET
BIOAZA 10000 PPM

Distributor

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PRODUCT NAME : AZADIRACHTIN 1% EC
CHEMICAL FAMILY : BOTANICAL INSECTICIDE
CHEMICAL NAME : AZADIRACHTIN - A
FORMULA : $C_{35}H_{44}O_{16}$

2. COMPOSITION/INFORMATION OF INGREDIENTS:

<u>COMPONENTS</u>	<u>CAS No.</u>	<u>WT%</u>
Azadirachtin	11141-17-6	76% w/w min.

1. HAZARDOUS IDENTIFICATION

EMERGENCY OVERVIEW

This product is a pale yellow to white material with peanut / garlic odour. There is no specific antidote if this product is ingested. Treat symptomatically. If a large amount has been ingested, give plenty of water to drink and seek medical attention.

Central Insecticides Board signal word : Caution

POTENTIAL HEALTH EFFECTS : None
ROUTE(S) OF ENTRY : Eyes, skin, oral, inhalation.
HUMAN EFFECTS AND SYMPTOMS OF OVER EXPOSURE : May cause irritation of eyes, skin or respiratory tract.
ACUTE EYE CONTACT : Cause mild eye irritation.
CHRONIC EYE CONTACT : Chronic exposure not likely from normal use.
ACUTE SKIN CONTACT : May cause mild reversible irritation. LD50 >2g/Kg
CHRONIC INGESTION : Chronic exposure not likely from normal use.
ACUTE INGESTION : LD50 >5g / Kg ACUTE
INHALATION : LC50 >2.02 mg / L.
CHRONIC INHALATION : No known effects

Location

| Sapna Business Park (SBP) | |Kyang'ombe Road | OFF ICD Road | |Nairobi - Kenya |



1. FIRST AID MEASURES:

If poisoning is suspected, immediately contact a physician, the nearest hospital, or the nearest Poison Control Centre, tell the person contacted the complete product name and the type and amount of exposure. Describe any symptoms and follow the advice given.

FIRST AID FOR EYES:

Immediately rinse eyes with a lot of water. Hold eyelids apart to rinse the entire surface of the eyelids. Do not apply any medicating agents except on the advice of a physician.

FIRST AID FOR SKIN:

Wash with plenty of soap and water, including hair, and under fingernails. Do not apply any medicating agents except on the advice of a physician. Remove contaminated clothing and decontaminate place affected.

FIRST AID FOR INHALATION:

Move victim from contaminated area to fresh air. Apply artificial respiration, if necessary.

FIRST AID FOR INGESTION:

If victim is fully conscious, immediately give large quantities of water to drink and get medical help. Never give anything by mouth to an unconscious person.

1. FIRE FIGHTING MEASURES:

EXTINGUISHING MEDIA: Dry chemical, foam, or carbon dioxide.

**UNUSUAL FIRE AND
EXPLOSION HAZARDS:** None known.

SPECIAL FIRE FIGHTING:

Wear full protective clothing & 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.

PROCEDURES

1. ACCIDENTAL RELEASE MEASURES:

SPILL OR LEAK PROCEDURES:

Wear chemical safety glasses with side shields or chemical Goggles, rubber gloves, rubber boots, long-sleeved shirt, long pants, head covering and a NIOSH-approved dust or pesticide respirator with a dust filter. For small spills, sweep up, keeping dust to a minimum and place in an approved chemical container. Wash the spill area with water containing a strong detergent, absorb with absorbent material. Seal the container and handle in an approved manner.

1. **HANDLING AND STORAGE :**

STORAGE TEMPERATURE

(MIN./MAX.) : Room temperature.

SHELF LIFE : Stable

SPECIAL SENSITIVITY .. : None known.

HANDLING AND STORAGE : Store the material in a well-ventilated secure area out of the reach of children and domestic animals. Do not store food, beverages or tobacco products in the storage area. Always wash thoroughly after handling.

1. **EXPOSURE CONTROLS/ PERSONAL PROTECTION:**

ORAL PROTECTION REQUIREMENTS : Prevent eating, drinking, tobacco usage and cosmetic application in areas where there is a potential for exposure to the material. Always wash thoroughly after handling.

EYE PROTECTION EQUIPMENTS : To avoid eye contact, wear safety goggles.

SKIN PROTECTION REQUIREMENTS : To avoid skin contact, wear rubber gloves, rubber boots, long-sleeved shirt, long pants & head covering.

RESPIRATORY/VENTILATION :

To avoid breathing dust, use with adequate ventilation and REQUIREMENTS wear a NIOSH approved dust or pesticide respirator with a dust filter.

1. **PHYSICAL AND CHEMICAL PROPERTIES:**

PHYSICAL FORM : Powder
COLOUR : Pale yellow to white
ODOUR : Garlic / Peanut
MELTING POINT : 154 – 158°C
FLASH POINT (above 24.5°C) : Not applicable
BULK DENSITY : 0.25 g / cc

1. **STABILITY AND REACTIVITY:**

STABILITY : Stable
HAZARDOUS POLYMERIZATION : Will not occur.



Beyond Business

INCOMPATIBILITIES : Acid, acid chlorides, oxidizing agent, reducing metals, alkyl metals.

DECOMPOSITION : Easily biodegradable.

11. TOXICOLOGICAL INFORMATION:

Acute oral toxicity (LD₅₀ Rat) : > 5.0 g/kg body weight
 Acute dermal toxicity (LD₅₀ Rat) : > 2.0 g/kg
 Acute inhalation (LC50 - Rat) : > 2.02 mg / L.
 Eye Contact (Rabbit) : Irritant and reversible in 12 days.
 Skin Contact (Rabbit) : May cause mild reversible irritation.

1. ECOLOGICAL INFORMATION:

Totally biodegradable in nature.
May be hazardous to fish and aquatic invertebrates. Do not apply on water bodies.

1. DISPOSAL CONSIDERATION :

Do not reuse product packing materials and residues. Dispose the product packing materials and residues according to local state and federal health and environmental regulations.

1. TRANSPORT INFORMATION:

Non hazardous.

1. REGULATORY INFORMATION:

OSHA status: N/A
 TSCA status: N/A
 CERCLA reportable quantity: N/A
 RCRA status: N/A
 Technical shipping name: Azadirachtin

1. OTHER INFORMATION:

N/A – Not applicable
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