

MATERIAL SAFETY DATA SHEET

TRICURE

Botanical Fungicide

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1. PRODUCT AND COMPANY INFORMATION:

PRODUCT NAME : TRICURE
FAMILY / GROUP : TRITERPENOIDS
SCIENTIFIC NAME : AZADIRACHTIN

2. COMPOSITON/INFORMATION ON INGREDIENTS:

<u>COMPONENTS</u>	<u>COMPOSITION (%)</u>
Azadirachtin	... 0.03% W/W min.
Neem Oil containing useful limonoids	... 89.97% W/W
Emulsifier	... 10.00% W/W

3. HAZARDOUS IDENTIFICATION:

EMERGENCY OVERVIEW

This product is a clear brown liquid with a characteristic repulsive odour, which is intended to be used for plant protection. 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 HAZARDS:

ROUTE(S) OF ENTRY : Eyes, skin, oral, inhalation.

HUMAN EFFECTS AND SYMPTOMS OF EXPOSURE : May cause irritation of eyes, skin or respiratory tract.

ACUTE EYE CONTACT : Causes mild irritation.

CHRONIC EYE CONTACT : Chronic exposure not likely from normal use.

ACUTE SKIN CONTACT : May cause irritation.

CHRONIC INGESTION : Chronic exposure not likely from normal use.

MEDICAL CONDITIONS AGGREGATED BY EXPOSURE : Not known

4. 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 eyes and lids. 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.

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.

5. **FIRE FIGHTING MEASURES :**

EXTINGUISHING MEDIA : Dry chemical, foam or carbon dioxide.

UNUSUAL FIRE AND
EXPLOSION HAZARDS : None known.

SPECIAL FIRE FIGHTING
PROCEDURES : Wear full protective clothing and self-contained breathing apparatus. Evacuate non-essential 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.

6. **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.

7. **HANDLING AND STORAGE :**

STORAGE TEMPERATURE : Room temperature (Not more than 40⁰C)

SHELF LIFE : Stable

SPECIAL SENSITIVITY .. : None

HANDLING AND STORAGE
PRECAUTIONS : Store the material in a well ventilated, secure area out of the reach of children and domestic animals.

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

9. PHYSICAL AND CHEMICAL PROPERTIES:

- PHYSICAL STATE : Liquid
- COLOUR : Clear brown
- SPECIFIC GRAVITY : 0.92 ± 0.05%
- ODOUR : Characteristic repulsive odour
- MISCIBILITY : Miscible with water
- pH : 6.2
- STABILITY : Stable at normal condition of storage.
- CORROSION : Nil
- FLASH POINT (@27°C) : > 40 - 42°C

10. STABILITY AND REACTIVITY:

- STABILITY : Stable
- HAZARDOUS POLYMERIZATION : Will not occur
- INCOMPATIBILITIES : Not compatible with highly alkaline substances.
- DECOMPOSITION : Easily biodegradable

11. TOXICOLOGICAL INFORMATION :

- ACUTE ORAL TOXICITY (RAT) : > 8650 mg/kg
- ACUTE ORAL TOXICITY (MICE) : > 8650 mg/kg
- ACUTE DERMAL TOXICITY (RABBIT) : > 2000 mg/kg
- IRRITATION TO MUCOUS MEMBRANE: Mild irritant M₁
- PRIMARY SKIN IRRITATION : Mild irritant. PSI Index is 0.46

12. ECOLOGICAL INFORMATION:

Totally biodegradable in nature.
Do not apply on water bodies.

13. 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.

14. TRANSPORT INFORMATION:

- Shipping Name : Neem based fungicide.
- Flammability : Flammable liquid.

15. REGULATORY INFORMATION:

OSHA status: N/A
TSCA status: N/A
CERCLA reportable quantity: N/A
RCRA status: N/A

16. OTHER INFORMATION:

N/A – Not applicable

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This product is for agricultural use only.