

MATERIAL SAFETY DATA SHEET

ECONEEM **Botanical Insecticide**

1. CHEMICAL PRODUCT AND COMPANY INFORMATION :

PRODUCT NAME : ECONEEM
CHEMICALFAMILY : BOTANICAL INSECTICIDE
CHEMICAL NAME : AZADIRACHTIN 0.3%
COMPANY : PJ MARGO PRIVATE LIMITED
NO. 344/8, 4TH MAIN,
SADASHIVANAGAR,
BANGALORE -560080.
TEL: 91-80-23613051-3

2. COMPOSITON/INFORMATION OF INGREDIENTS :

<u>COMPONENTS</u>	<u>CAS</u> <u>NO.</u>	<u>WT</u> <u>(%)</u>	<u>OSHA</u> <u>PEL</u>	<u>TLV's</u> <u>TWA</u>	<u>STEL</u>
Neem Extract containing					
Azadirachtin	11141-17-6	0.30	~	~	~
Normal Butanol	~	75.0	~	~	~
Neem Oil	8002-65-1	10.0	~	~	
Emulsifier		12.0			
Others		2.7			

3. HAZARDOUS IDENTIFICATION

EMERGENCY OVERVIEW

This product is a dark brown coloured liquid with characteristic repulsive odour, which is intended to use as insecticide. 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.

POTENTIAL HEALTH EFFECTS : None
ROUTE(S) OF ENTRY : Eyes, skin, oral, inhalation.
HUMAN EFFECTS AND : May cause drowsinessirritation of eyes, skin or respiratory tract.
SYMPTOMS OF OVEREXPOSURE
ACUTE EYE CONTACT : Cause mild eye irritation.
CHRONIC EYE CONTACT : Chronic exposure not likely from normal use.
ACUTE SKIN CONTACT : Slightly irritating. May cause irritation.
CHRONIC INGESTION : Chronic exposure not likely from normal use.
MEDICAL CONDITIONS
AGGRAVATED BY EXPOSURE : Not known.

3. PHYSICAL AND CHEMICAL CHARACTERISTICS

Physical form	:	Liquid
Boiling point range	:	116° C.
Vapour density	:	Heavier than air
Weight per Litre	:	0.83 – 0.87 Kg.
Flash point	:	36° – 38° C
Appearance	:	Light to dark brown liquid
Odour	:	Fragrant odour
Solubility in water	:	Soluble

4. FIRE AND EXPLOSION DATA

Extinguishing Media	:	Carbon dioxide, Polymer foam.
Unusual Fire and Explosion Hazards	:	Flammable liquid
Special Fire Fighting procedure	:	Wear SBCA and other protective clothing to prevent contact with skin and eyes.
Stability	:	Stable
Hazardous Polymerization:	:	Will not occur.
Conditions to avoid	:	Keep away from heat, sparks and open flames.
Incompatibility	:	Acids, Acid Chlorides, Oxidizing agents, Alkali and reducing agents.
Hezardous decomposition Products	:	Not known

5. HEALTH HAZARD DATA

Routes of entry	:	Inhalation, eyes, skin, oral.
Effects of over exposure	:	May cause drowsiness
Ingestion (Swallowing)	:	Acute oral rat : > 5000 mg/kg Acute oral mice: 6556 mg/kg
Skin contact and Absorption	:	Acute Dermal rabbits : > 2000 mg/kg
Eye (contact)	:	Moderate irritant to mucous membrane in rabbits.
Skin (contact)	:	Primary skin Irritation : Slight irritant Primary irritation No. 0.42

6. **FIRST AID MEASURES**

- Eye (contact) : Flush immediately with copious amounts of water. Seek medical help.
- Skin (contact) : Wash with plenty of soap and water. Remove contaminated clothes. Seek medical help.
- Ingestion (Swallowing) : Call a physician. Induce vomiting followed by large amounts of milk or water.
- Inhalation (Breathing) : Remove to fresh air. Seek medical attention, if irritation persists.

1. **ACCIDENTAL RELEASE MEASURES :**

Steps to be taken in case material is released or spilled :

Wear self contained breathing apparatus, rubber boots and heavy rubber gloves, shut off sources of ignition, absorb on sand or vermiculite and place in cold containers for disposal. Ventilate the area and wash the spill site after material pick up.

8. **STORAGE AND WASTE DISPOSAL METHOD**

Storage :

Store in a cool and dry place away from heat and open flame. The rooms meant for storing the material should be well built, well ventilated and aerated and of sufficient dimensions. Store the material in separate rooms away from food and feed stuff in separate almirah under lock and key.

Disposal of containers :

1. Do not leave the empty containers outside so as to prevent their re-use.
2. Destroy used containers and bury them 18 inches below the soil in non-crop land away from habitation and underground water course.
3. Dispose off empty containers surplus material and washings from spray equipments in a safe manner so as to prevent environmental or water pollution, or contamination of food and animal feed.
4. Never use the empty containers for storing food or water.

9. SPECIAL PROTECTION INFORMATION

No special equipment required.

Ventilation : Use with adequate ventilation.
Protective Gloves : Rubber or PVC is advised
Eye protection : The use of safety goggles is advised during mixing and loading.
Other protective Equipment : None.

10. SPECIAL PRECAUTIONS

Avoid heat, sparks and open flames. Store away from food and feed stuffs.

Other precautions : None

11. INFORMATION ORIGIN

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BANGALRORE-560 080
KARNATAKA, INDIA

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