 <b>PJ Margo Pvt. Ltd.</b>	<b>MATERIAL SAFETY DATA SHEET</b>	MSDS No.:	PJM/FP/MSDS/N-04
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<b>MATERIAL:</b>		<b>AZADIRACHTIN 300 ppm (0.03%) EC : Botanical Insecticide</b>	

**PJ MARGO PRIVATE LIMITED,**  
**NO: 344/8, IV MAIN ROAD,**  
**SADASHIVANAGAR,**  
**BANGALORE - 560 080.**  
**TEL: +91-80-23613051-3**

**1. PRODUCT AND COMPANY INFORMATION:**

PRODUCT NAME : AZADIRACHTIN 300 ppm (0.03%) EC  
 FAMILY / GROUP : BOTANICAL INSECTICIDE  
 SCIENTIFIC NAME : AZADIRACHTIN (Min. 300 ppm)

**2. COMPOSITION/INFORMATION OF INGREDIENTS :**

COMPONENTS	CAS NO.	WT%	OSHA PEL	TLV's	
				TWA	STEL
Azadirachtin	-	0.03 % w/w	--	--	--
Neem Oil	8002-65-1	93.97 % w/w	--	--	--
Emulsifier		6.00 % w/w	--	--	--

**3. HAZARDOUS IDENTIFICATION:**

**EMERGENCY OVERVIEW**

This product is a clear brown liquid with a characteristic odor, 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 EFFECTS:**

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 de-contaminate the 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

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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
- SHELF LIFE : 1 Year
- 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
- ODOR : Characteristic
- BOILING POINT : > 110<sup>0</sup>C
- FLASH POINT : > 40<sup>0</sup>C
- PH ( 1% SOLUTION) : 5.5 - 6.0
- SOLUBILITY WITH WATER : Soluble
- SPECIFIC GRAVITY : 0.91 to 0.93
- ACIDITY : < 0.50%
- AFLATOXIN CONTENT : Not detectable
- MOISTURE : < 2.0%
- CORROSION : NIL

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**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 M<sub>1</sub>  
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:**

DOT hazard class : Not applicable

**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

To the best of our knowledge, the information contained herein is accurate. However, neither PJ Margo nor any of its subsidiaries assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All material may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards, which exist.

**This product is for agricultural use only.**