

MATERIAL SAFETY DATA SHEET

Product: Neem Raj-1500 PPM

Formulator: Neem India Products Pvt. Ltd.,
Siddhartha Arcade,
Opp. Holiday Camp, Station Road,
Aurangabad -431005, M.S, India

1. CHEMICAL IDENTIFICATION

Product: Neemraj -1500 PPM
EPA Signal Word: CAUTION
Active Ingredient: Azadirachtin concentration of 1500 PPM
Chemical Name: Azadirachtin
Chemical Class: Insecticide

2. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT NAME	OSHA – PEL	ACGIH – TLV	OTHER	NTP/IARC/OSHA CARCINOGEN
Active Ingredient 0.15% min.	N/A	N/A	N/A	N/A
Other Ingredients 99.85% min	N/A	N/A	N/A	N/A

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

This product is a light brown liquid intended for use as a pesticide to control insects on agricultural crops. This product should pose no health concerns through normal use in accordance with label directions.

Physical Properties:

Appearance: Light Brown liquid
Odour: Garlic repulsive
Symptoms of Acute Exposure: None known
Primary Routes of Exposure: Fine Mist by Inhalation, ingestion, eyes, and skin.
Medical Conditions Likely to be Aggravated by Exposure: None known
Hazardous Decomposition Products: None known.
Unusual Fire Hazards: In case of fire, use, DCP, Carbon dioxide, and /or Polymer Foam Extinguisher, Non explosive, Non hazardous.
Explosion, and Reactivity Hazards: Non-explosive and non-reactive.

Special fire fighting Procedure: Fire fighters should wear proper protective equipments and self-contained breathing apparatus with full face-piece operated in positive pressure mode. Move containers from fire area if it can be done without risk. Use water to keep fire exposed containers cool.



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4. FIRST AID MEASURES

Ingestion: In case of poisonous symptoms occurs, call the physician immediately. If swallowed, induce vomiting by copious water and soap.

Inhalation: Remove the victim from immediate source of exposure and assure that the victim is breathing.

If breathings difficult, seek medical attention.

Eye Contact: Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. Seek immediate medical attention, preferably with an ophthalmologist

Skin Contact: In case of contact, wash with plenty of soap and water. Seek medical attention if irritation develops or persists.

FOR MEDICAL EMERGENCIES INVOLVING THIS PRODUCT, CALL +91 240 2354912-17

5. FIRE FIGHTING MEASURES

Fire Fighting Guidance: In case of fire, use DCP Extinguisher, CO₂ Extinguisher and/or Polymer Foam extinguisher

6. ACCIDENTAL RELEASE MEASURES

In Case of Spills or Leaks

Use personal protections like Heavy Rubber Hand Gloves, Antistatic Rubber Boots, Coverall, Face shield and Helmet before attending spills or leaks.

Use flameproof implements while attending spillages or leakages as the formulation is flammable. Use gas mask in case of major spillage in closed area. Flush the area with water. Do not allow water to contaminate surrounding area. Shut off sources of ignition. Dike around spills, place in closed containers for disposal. Ventilate and wash spill site after material pick-up. Avoid run-off into storm sewers and ditches which lead to waterways.

7. HANDLING AND STORAGE

Precautions in Handling: Wash hands before eating, drinking, chewing tobacco. Remove clothing immediately if contaminated with Neem Raj-1500 PPM. Then wash thoroughly with plenty of lukewarm water and put on clean clothing.

Storage: Do not contaminate water, food, or feed by storage or disposal. Do not reuse container. Keep in tightly closed and original containers away from heat and direct Sunlight. Store this product in cool and dry place at about 10 to 40 degree Celsius in a well ventilated room under lock. Thus, the product will have long shelf life.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Harmful if absorbed through skin or inhaled. Avoid breathing mist of product. Causes moderate eye irritation. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling. Wash contaminated clothing before reuse.

Manufacturing and Packaging Employees

Eye/Face Wear chemical safety goggles.

Skin Protection Wear Polyethylene gloves.

Respiratory Protection Thorough ventilation is recommended in case of accidental spillage.

Additional Protection Information: Wash hands before eating, drinking, chewing tobacco. Remove



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Neem India Products Private Limited

CIN NO : U24210MH2002PTC134611

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clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Applicators/Handlers : Wear cover all, water proof gloves, and rubber boots and chemical goggle.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Light Brown Liquid
Melting Point:	N/A
Boiling Point:	N/A
Flash Point:	>145 °C
Specific Gravity:	0.87 -0.90gm/cc
Density:	0.87 -0.90gm/cc
Solubility in H2O:	Forms stable emulsion with water
Active Ingredient:	1500 to 1725 ppm (approx)

10. STABILITY AND REACTIVITY

Stability:	Stable
Hazardous :	Non hazardous
Polymerization:	Will not occur

11. TOXICOLOGICAL INFORMATION

Acute Toxicity/Irritation Studies Species

Oral:	Swiss Albino mice -LD 50 (mg/kg body wt.) >5000
Dermal:	Sprague Dowley Rat - LD 50 > 3260
Inhalation:	Sprague Dowley Rat - LC 50 (mg/L)> 3260
Primary Eye Irritation:	Data not available
Primary Skin Irritation:	Rabbit- None
Skin Sensitization:	Data not available
Mutagenic Potential:	Non-mutagenic
Reproductive Hazard Potential	NOAEL 5000 mg/kg
Chronic/Subchronic Toxicity Studies	Data not available
Carcinogenic Potential	Non-carcinogenic

12. ECOLOGICAL INFORMATION

Do not apply directly to water, or to areas where surface water is present or to inertial areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing off equipment wash waters or reinstate.

13. DISPOSAL CONSIDERATION

Container Disposal:

Metal – Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose off in a sanitary landfill, or by other procedures approved by State and local authorities.



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Plastic – Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Glass – Triple rinse (or equivalent). Then dispose off in a sanitary landfill or by other approved State and local procedures.

Hazardous Information: Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. Do not reuse container.

14. TRANSPORT INFORMATION

DOT Classification	Not regulated.
International Maritime Organization	Not regulated.
International Civil Aviation Organization	Not regulated.

15. REGULATORY INFORMATION

SARA Title III Classification

Section 302/304:	N/A
Section 311/312:	N/A
Section 313 chemical(s):	N/A
Proposition 65	Not Applicable
CERCLA Reportable Quantity (RQ)	Not Applicable

16. REGULATORY INFORMATION (CONTINUED)

RCRA Classification

If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste.

TSCA Status	Not Applicable
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17. OTHER INFORMATION

NFPA Hazard Ratings

Health	1	0 Least
Flammability:	2	1 Slight
Reactivity:	1	2 Moderate
		3 High
		4 Severe

Prepared By:

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Notice: The information and recommendations contained herein are provided in good faith and are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information herein.



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