

Material Safety Data Sheet (MSDS)

Product Name: Neem oil

MSDS Generate Date: 20-05-2017

Revision Date: 30-12-2024

Supplier:

Rawpharma Biz Pvt Ltd

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1. Identification of the Substance/Preparation and Company

Product Name: Neem Oil

Other Names: Azadirachta indica oil, Margosa Oil

Use of Substance: Cosmetic ingredient, biopesticide, agriculture, pharmaceuticals, soaps, and personal care products.

2. Hazard Identification

- Not classified as hazardous under normal conditions of handling.
- May cause mild skin or eye irritation in sensitive individuals.
- Inhalation of mist/vapors may cause respiratory irritation.
- Environmental hazard: Toxic to fish and aquatic organisms.

3. Composition / Information on Ingredients

Substance: Neem Oil

CAS Number: 8002-65-1

EINECS Number: 294-504-4

Composition: 100% pure cold-pressed neem seed oil containing Azadirachtin and related limonoids.

4. First Aid Measures

- **Inhalation:** Move to fresh air. If breathing difficulty persists, seek medical attention.
 - **Skin Contact:** Wash thoroughly with soap and water. If irritation persists, consult a physician.
 - **Eye Contact:** Rinse immediately with plenty of water for at least 15 minutes. Seek medical advice if irritation continues.
 - **Ingestion:** Rinse mouth with water. Do not induce vomiting. Seek medical attention if discomfort occurs.
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5. Fire Fighting Measures

- **Suitable Extinguishing Media:** Dry chemical, foam, carbon dioxide, water spray.
 - **Special Hazards:** May produce irritating fumes under fire conditions.
 - **Protective Equipment:** Firefighters should wear self-contained breathing apparatus.
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6. Accidental Release Measures

- Wear protective gloves and eyewear.
 - Absorb spilled material with inert absorbent (sand, earth, or vermiculite).
 - Prevent entry into waterways.
 - Dispose according to local regulations.
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7. Handling and Storage

- Handle in well-ventilated areas.
- Avoid contact with eyes and prolonged skin contact.

- Store in tightly closed containers in a cool, dry, and dark place.
- Keep away from heat and direct sunlight.

8. Exposure Controls / Personal Protection

- **Respiratory Protection:** Not required under normal use; use mask if mist is generated.
- **Eye Protection:** Safety goggles recommended.
- **Skin Protection:** Protective gloves recommended.
- **General Hygiene:** Wash hands after handling.

9. Physical and Chemical Properties

- **Appearance:** Brownish to yellow liquid
- **Odor:** Strong garlic/sulfur-like odor
- **Solubility:** Insoluble in water; soluble in alcohols and organic solvents
- **Boiling Point:** > 200°C
- **Flash Point:** > 200°C (closed cup)
- **Specific Gravity:** ~0.91–0.93 g/cm³
- **Viscosity:** Moderate

10. Stability and Reactivity

- **Stability:** Stable under normal conditions.
- **Conditions to Avoid:** Heat, light, and air exposure.
- **Hazardous Decomposition:** Emits acrid smoke and irritating fumes when burned.
- **Incompatible Materials:** Strong oxidizing agents.

11. Toxicological Information

- **Acute Toxicity:** Low oral toxicity; LD50 (rat, oral) > 5000 mg/kg.
- **Skin:** May cause mild irritation in sensitive individuals.

- **Eyes:** Mild irritation possible.
- **Chronic Effects:** No evidence of carcinogenicity.
- **Sensitization:** Possible in some individuals.

12. Ecological Information

- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- Biodegradable in soil.
- Avoid release into natural water sources.

13. Disposal Considerations

- Dispose of in accordance with local, regional, and national regulations.
- Do not dispose of into drains or waterways.
- Empty containers may retain residue; dispose of properly.

14. Transport Information (Detailed)

Neem Oil is **not classified as hazardous for transport** under ADR, IMDG, IATA, or DOT regulations.

- **UN Number:** Not applicable
- **UN Proper Shipping Name:** Neem Oil (non-hazardous)
- **Transport Hazard Class:** Not regulated
- **Packing Group:** Not applicable
- **Environmental Hazards:** Not classified as marine pollutant under IMDG, but precautionary measures should be taken to avoid spillage into watercourses.
- **Special Precautions for User:**
 - Transport in tightly closed containers.
 - Avoid exposure to high temperatures and direct sunlight during transit.
 - Ensure containers are properly secured to prevent leakage.

- **Regulatory Transport Labels:** None required.
- **Road/Rail (ADR/RID):** Not regulated
- **Sea (IMDG):** Not regulated
- **Air (IATA/ICAO):** Not regulated
- **Domestic Transport:** Safe under normal transport conditions when packed in leak-proof containers.

15. Regulatory Information

- Neem Oil is exempt from many hazardous substance regulations due to its natural origin.
- Complies with EU Regulation (EC) No 1223/2009 for cosmetic products.
- Approved for organic agriculture as per NOP/IFOAM standards.

16. Other Information

- The information provided is based on current knowledge and intended to describe the product with respect to health, safety, and environmental requirements.
- It should not be construed as guaranteeing specific properties.
- Users are responsible for ensuring safe handling and compliance with local laws.
- **MSDS Generate Date:** 20-05-2017
- **Revision Date:** 30-12-2024
- **Website:** www.rawpharmabiz.com
- MSDS are based on the manufacturer's provided information.