



NEEM OIL

MSDS

Version 23.03.2017

MATERIAL SAFETY DATA SHEET

NEEM OIL

1. PRODUCT NAME AND COMPANY IDENTIFICATION

Product Name: NEEM OIL
Product Use: Personal Care Formulations
Company Name: Renala
Company Address: Lot VA 19 DB, Tsiadana, 101 Tana, Madagascar
Telephone Number: +261 32 05 777 76
Date Issued: 23/03/2017

2. COMPOSITION/INGREDIENT INFORMATION

Definition/Botanical Origin: The cold-pressed, filtered oil is obtained from the Melia Azadirachta seeds.
INCI name: Melia Azadirachta Seed Oil
CAS N°: 8002-65-1/90063-92-6
EINECS: 290-052-2
IFRA: Not Restricted
Additives: None

3. HAZARDS IDENTIFICATION

Eye Contact: Eye contact may cause irritation
Skin Contact: Skin irritation is not expected with normal contact. Excessive and/or prolonged exposure may cause irritation.
Ingestion: Ingestion is relatively non-toxic unless aspiration occurs
Inhalation: This product has a low vapor pressure and is not anticipated to present an inhalation hazard at ambient conditions.

4. FIRST AID MEASURES

Eyes: Flush with plenty of water or eye wash solution for 15 minutes. Get medical attention if irritation persists.
Skin: Wash with soap and water- get medical attention if irritation persists.
Ingestion: Rinse mouth out with water. If symptoms appear, seek medical advice.
Inhalation: Move to fresh air in case of accidental inhalation of vapours.
Medical Conditions generally None



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Aggravated by Exposure:

5. FIRE FIGHTING MEASURES

Flash Point:	>250 ° C
Extinguishing Media:	Water spray, Dry Chemical, Carbon Dioxide, Inert powder, Foam
Special Firefighting Procedures:	Do not use direct water jet on burning material. Cool containers exposed to flame with water. Limit the spread of oil. Treat as an oil fire. Avoid vapour inhalation. Wear positive pressure self-contained breathing apparatus & protective clothing.
Unusual Fire & Explosion Hazards:	Combustible but no particular hazard.

6. ACCIDENTAL RELEASE MEASURES (STEPS FOR SPILLS)

Personal Precautions:	Avoid contact with skin eyes and clothes. Note that spillages constitute a slipping hazard. Use individual protective equipment (safety glasses, waterproof-boots, suitable protective clothing) in case of major spillages.
Environment Precautions	Keep away from drains, soils, surface & groundwaters.
Cleaning up methods for spillages:	Remove all potential ignition sources. Contain spilled material. Cover with an inert or non-combustible inorganic absorbent material, sweep up and remove to an approved disposal container. Clean with hot water & detergents. Observe state, federal & local disposal regulations.

7. HANDLING AND STORAGE

Precautions in handling:	Apply good manufacturing practice & industrial hygiene practices. Observe good personal hygiene, and do not eat, drink or smoke whilst handling. Avoid static discharges.
Storage conditions:	Store in tightly closed original container, in a cool & dry area away from heat sources & protected from light. Keep air contact to a minimum.
Fire protection	Keep away from ignition sources & naked flames. Take precautions to avoid static discharges in working area.



8. EXPOSURE CONTROL/PERSONAL PROTECTION

Eye protection:	Use safety glasses if there is a risk of splashing.
Skin protection:	Gloves should be worn
Respiratory protection:	Use only in well ventilated areas. Use protection in poor ventilation.
Work/hygiene protection	Normal work and hygiene practices for handling non-hazardous liquid material.

9. PHYSICAL AND CHEMICAL PROPERTIES

Color:	Light green to dark green
Appearance:	Greenish brown liquid at ambient temperature.
Odor:	Strong spicy characteristic odor.
Melting point °C:	N/A
Flash point °C:	> 250 °C
Solubility in water:	Insoluble
Solubility in Alcohol:	Slightly soluble
Free fatty acid content (% as Oleic):	50-62
Peroxide value (meq O ₂ / kg):	N/A
Iodine value:	68 – 78
Color (Lovibond 5.25 cell):	N/A
Specific gravity @ 20°C:	0.909 - 0.919
Refractive index @ 20°C:	1,450 - 1,460

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions of use. Avoid strong oxidizers, acids and alkali.
Conditions to avoid:	None.
Hazardous Decomposition of Byproducts:	Combustion produces carbon monoxide, carbon dioxide, and thick smoke. In general, products of combustion (such as organic materials) may be irritation and toxic.
Hazardous polymerization:	Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute Oral:	None.
Dermal:	None.
Eye:	None.
Inhalation:	None.
Irritancy:	None.



12. ECOLOGICAL INFORMATION

Biodegradability:	Readily biodegradable
Precautions:	Prevent surface contamination of soil, ground & water surface.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods:	Do not put into sewer lines. Dispose of according to local, state and federal regulations.
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14. TRANSPORT INFORMATION

Road (ADR/RID):	N/A
Sea (IMDG):	N/A
Air (IATA):	N/A
Chip:	See section15

15. REGULATORY INFORMATION

Hazards	N/A
Symbols	N/A
Risk Phrases:	N/A
Safety Phrases:	N/A

16. ADDITIONAL INFORMATION

This information is provided for documentation purposes only.
This product is not considered hazardous.

The data provided in this material safety data sheet is meant to represent typical data/analysis for this product and is correct to the best of our knowledge. The data was obtained from current and reliable sources, but is supplied without warranty, expressed or implied, regarding it's correctness or accuracy. It is the user's responsibility to determine safe conditions for the use of this product, and to assume liability for loss, injury, damage or expense arising from improper use of this product. The information provided does not constitute a contract to supply to any specification, or for any given application, and buyers should seek to verify their requirements and product use.

This safety sheet cannot cover all possible situations which the user may experience during processing. Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin should be provided to your employees or customers.