

RAINTREE FARMS LIMITED

MORINGA OLEIFERA OIL MATERIAL SAFETY DATA SHEET

SECTION I: IDENTIFICATION OF THE PRODUCT AND COMPANY

Supplier Name:	Raintree Farms Limited		
Supplier Address:	Ntooma Road, Kikuube Village, Bikonzi Sub-County, Bujenje County, Masindi, Uganda		
Supplier Contacts:	+256 775 464 461	cs@raintreefarms.com	raintreefarms.com
Product Trade Name:	Moring Oleifera (Moringa) Seed Oil	INCI: MORINGA OLEIFERA SEED OIL Cosmetic Ingredient	
Processing Method:	Cold pressed expeller	Gravity-filtered	Machine-filtered
Recommended Use:	Topical / Body Oil	DO NOT inject	
Product Description:	Bright/Light yellow with a distinct nutty scent		

SECTION II: HARZARDS IDENTIFICATION

Signal Word	Hazard Statement	Precaution Statement	Hazard Pictogram
N/A	N/A	Store in a cool dry place. Keep out of reach of children	N/A
Other Hazards:	May cause skin irritation/allergic reaction in some. Patch test recommended.		
Classification of the substance:	N/A		
Flammability hazard:	Considered non-flammable with a flashpoint of 250°C		
Reactivity Hazard:	None		
Environmental Hazard:	Release into water systems may cause adverse environmental effects		

Risks from exposure:

- Inhalation: Under normal circumstances, no adverse reactions expected
- Skin Contact: This is product is not a skin irritant
- Eye Contact: Direct contact with eyes may cause irritation
- Ingestion: May be cause of discomfort, nausea, or vomiting when ingested
- No noted chronic adverse reactions

SECTION III: COMPOSITION AND INGREDIENT INFORMATION

TYPE OF PRODUCT: Raintree Farms Seed Oils

Composition: Moringa Oleifera Seed Oil is the oil expressed from the seeds of the tropical tree *Moringa oleifera*, *Moringaceae*.

Moringa Oleifera oil does not belong to any list of substances hazardous to human or animal health according to EU guideline 548/67 and further amendments. It also does not pose adverse effects to those having recognized exposition limits.

Application: Emollient, skin conditioning and beautification.

Ingredients:	Weight %	CAS No.	EINECS No.	Hazard Classification
Moringa Oleifera Cold-Pressed Seed Oil	100%	93165-54-9	296-941-1	Not Classified

SECTION IV: FIRST AID MEASURES

Eye Contact	If moringa oil enters eyes, flush with water or safe eye wash solution for several minutes. If irritation persists, seek immediate medical attention
Skin Contact	Generally regarded as safe on contact. In case of irritation, wash skin thoroughly with soap and water after handling. If irritation persists, seek immediate medical attention
Inhalation	If exposed to fumes and breathing becomes difficult, remove victim to fresh air. For severe cases, use artificial respiration to support breathing and seek immediate medical attention.
Ingestion	If moringa is ingested, call physician or poison center if victim feels unwell. Do NOT induce vomiting or give dilutants (milk or water) to unconscious victim or if they can't swallow. Seek medical advice and take a copy of the product SDS.
Medical Condition from Exposure	No data available

SECTION V: FIRE FIGHTING MEASURES

Extinguishing media	Carbon dioxide, spray foam, inert powder, or any "C" class media. DO NOT USE WATER.
Special Exposure	Fine oil mists may be hazardous. On extremely long heating at high temperature gaseous components occur of acrolein variety and may cause irritation.
Protection Against Fire	Standard procedures apply
Fire Fighting Gear	Fire responders should wear eye protection. Structural firefighters should wear Self-Contained Breathing Apparatus (SCBA) and fully protective equipment.

SECTION VI: ACCIDENTAL RELEASE MEASURES (Steps for Spills)

Spillage on soil:	Use a solid absorbent and/or wash floors with detergent. May cause slip on floors. If solidified, shovel into containers.
Spillage on water:	Moringa oil density is lower than water, allowing it to settle on the surface. The matter is then easy to collect off the surface. Recommended to dispose according to the UK/EU Environmental regulations.

SECTION VII: STORAGE AND HANDLING

Store in a cool, dry, well-ventilated place away from the sun. Oil-soaked materials may be subject to spontaneous combustion in certain circumstances

SECTION VIII: Exposure Controls/Personal Protection

Precautions: Goggles and gloves should be worn if there is a risk of splashing. Ensure adequate ventilation.

SECTION IX: Physical and Chemical Properties

Typical analytical properties:	
Appearance:	Mobile liquid – may solidify Colour: Pale to mid yellow
Specific gravity @ 20°C: 0.912 – 0.922 Acid Value:	1.0 maximum
Iodine Value:	80 – 95
Peroxide Value:	5.0 maximum at time of first analysis
Saponification Value:	185 – 197
Moisture content:	0.5% maximum
Typical Fatty Acid profile:	
C16:0 Palmitic Acid: 10.5% maximum	
C16:1 Palmitoleic Acid: 0.5% maximum	
C18:0 Stearic Acid: 12.0% maximum	
C18:1 Oleic Acid: 65.0 – 80.0%	
C18:2 Linoleic Acid: 10 – 22%	
Storage:	Store in original sealed containers away from heat and light.
Shelf Life:	We recommend user re-tests product if stored for more than 18 months.

SECTION X: Stability and Reactivity

Conditions to avoid:	High temperature near flash point.
Materials to avoid:	Strong acids and oxidising agents.
Hazardous decomposition products:	No decomposition if stored normally.
Hazardous reactions:	Polymerisation not likely to occur.
Shelf Life:	Minimum 36 months when stored in nitrogen flushed containers.

SECTION XI: Toxicological Information

Toxicity Data	No available data
Suspected Cancer Agent	No cancer-causing agents present
Irritancy	Not a common irritant
Sensitization to the Product	N/A
Reproductive Toxicity	No data available

SECTION XII: Ecological Information

This product is readily biodegradable and non-toxic.

SECTION XIII: Disposal Considerations

Waste disposal according to appropriate local regulation for this product category

SECTION XIV: Transport Information

This product is classified as not dangerous. Not classified RID/ADR/IMDG.

SECTION XV: Regulatory Information

In compliance with the requirements in the current cosmetics directives 67/548 EEC et 1999/45/EC.