

Material Safety Data Sheet Moringa Oil

SECTION 1.1 – PRODUCT IDENTIFICATION

Product Name : Moringa Oil
Molecular Formula : Not applicable
Molecular Weight : Not applicable
CAS No. : 93165-54-9

SECTION: 1.2 COMPANY IDENTIFICATION

Company Name: Indenta Chemicals (India) Pvt. Ltd.

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SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

Name	CAS #	% by Weight
Moringa Oil	93165-54-9	100

Toxicological Data on Ingredients: No Data Available

SECTION 3: HAZARD IDENTIFICATION

3.1 Classification of the substance or mixture

This substance and/or mixture is not classified as hazardous or dangerous according to the Globally Harmonized System of Classification and Labelling of Chemicals (GHS), the OSHA Hazard Communication Standard (HCS) 29 CFR 1910.1200, Regulation (EC) No 1272/2008 (CLP), and Directive 67/548/EEC on dangerous substances.

3.2 Label elements

Not applicable.

3.3 Other hazards

This substance is not considered to be PBT or vPvB. Eye contact may cause mild irritation. Unlikely to cause skin irritation unless exposure is excessive and/or prolonged. Information based on the properties of the material present

SECTION 4: FIRST AID MEASURES

4.1 Description of first-aid measures

GENERAL MEASURES

If you feel unwell, seek medical attention immediately.

INHALATION

Remove from area of exposure; seek medical attention if symptoms persist.

SKIN CONTACT

Wash exposed area with soap and water. If irritation persists, call a physician.

EYE CONTACT

Irrigate with water for at least 15 minutes. If irritation persists, call a physician.

INGESTION

Call physician for advice. Unlikely to cause harm, apart from a laxative effect.

4.2 Most important symptoms and effects, both acute and delayed

None known.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: FIRE AND EXPLOSION DATA

5.1 Extinguishing media

SUITABLE EXTINGUISHING MEDIA

Dry chemical, foam, CO₂, and other standard extinguishing media for oil.

UNSUITABLE EXTINGUISHING MEDIA

Strong water stream/jet may cause fire to scatter and spread.

5.2 Special hazards arising from the substance or mixture

None

5.3 Advice for firefighters

Exercise caution when fighting any fire. Product may burn, but does not readily ignite. Substance/mixture is not an explosive. Use air supplied equipment for fighting interior fires. Isolate materials not yet involved in the fire (if this can be done without risk), and protect personnel. Cool fire exposed containers with water. Prevent run-off water from entering storm drains, bodies of water, or other environmentally sensitive areas.

5.4 Further information

No data available

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

PERSONAL PRECAUTIONS

Use cautious judgement when cleaning up spill. Wear appropriate protective clothing. Avoid contact with eyes.

PROTECTIVE EQUIPMENT

Ensure any personal protective equipment (clothing, gloves, eye, and/or face protection) worn is suitable to provide adequate protection.

EMERGENCY PROCEDURES

None needed.

ADVICE FOR NON-EMERGENCY PERSONNEL

Ensure activities are executed by trained and authorized personnel. Evacuate area as deemed necessary.

ADVICE FOR EMERGENCY RESPONDERS

Only qualified personnel equipped with suitable equipment and protective clothing should intervene.

6.2 ENVIRONMENTAL PRECAUTIONS

Avoid release into the environment. Contain and collect spillage; prevent from reaching drains, sewer, or waterway.

6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Approach all spills with caution.

SMALL SPILLS: Remove sources of ignition and prevent further leakage/spillage if safe to do so. Contain spill to smallest

possible area; clean up with absorbent materials such as paper towels, sand, dirt, etc. Freshly cleaned area may be slippery; take precautions.

LARGE SPILLS: Remove sources of ignition and prevent further leakage/spillage if safe to do so. Contain spill and transfer into leak-proof containers; seal tightly. Dispose of substance/mixture in accordance with local, national, or regional legislation.

6.4 Reference to other sections

For disposal see section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

HANDLING MEASURES

Handle in accordance with good manufacturing, industrial hygiene, and safety procedures. Avoid contact with skin, eyes, and clothing. Use personal protective equipment as necessary. Ground container when dispensing.

VENTILATION

Handle in a well-ventilated area.

INCOMPATIBLE PRODUCTS

Keep away from oxidizing agents, excessive heat, and sources of ignition.

HYGIENE MEASURES

Wash thoroughly after handling of the substance/mixture. When handling, do not eat, drink or smoke. Also refer to section 8.

SUITABLE STORAGE CONDITIONS

Store in closed tight containers below 35°C in well-ventilated areas.

7.2 Conditions for safe storage, including any incompatibilities

Do not store or use near heat, sparks, or flame and store out of sun. Never use pressure to empty. Do not puncture, drag, or slide container.

SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION

8.1 Control parameters

OCCUPATIONAL EXPOSURE LIMITS: No data available.

8.2 Exposure controls

Appropriate engineering controls

EXPOSURE GUIDELINES: Material does not contain hazards for which substance-specific occupational exposure limits have been established by regulatory bodies.

ENGINEERING CONTROLS: Adequate ventilation, and a suitable means of rinsing/washing as necessary. Facility measures to prevent/limit release and potential exposure.

EYE PROTECTION

Safety glasses or goggles.

PROTECTION OF SKIN AND BODY

gloves; chemical resistant clothing may also be worn.

RESPIRATORY PROTECTION

Not normally required. Dust mask or respiratory equipment may be worn when handling large quantities or in inadequate ventilation areas.

THERMAL HAZARDS

None expected under normal use.

OTHER INFORMATION

Avoid prolonged skin contact; gloves may be worn.

ENVIRONMENTAL EXPOSURE CONTROL

Avoid discharge into the environment. Do not allow to enter into surface water or drains.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

a) Appearance	Form: liquid colourless:Pale yellow to yellow/green
b) Odor	Slightly fatty
c) Odor Threshold	No data available
d) pH	No data available
e) Melting point/freezing point	Approximately 10°C
f) Initial boiling point and boiling range	>255°C
g) Flash point	>260°C
h) Evaporation rate	No data available
i) Flammability (solid,gas)	No data available
j) Upper/lower flammability or explosive limits	No data available
k) Vapor pressure	<1
l) Vapor density	>1
m) Relative density	0.90 – 0.92
n) Water solubility	Insoluble
o) Partition coefficient: n-octanol/water	22.3
p) Autoignition temperature	No data available
q) Decomposition temperature	No data available
r) Viscosity	No data available
s) Explosive properties	No data available
t) Oxidizing properties	No data available

9.2 Other safety information

No data available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Not reactive.

10.2 Chemical stability

Stable under normal temperatures and anticipated storage and handling

10.3 Possibility of hazardous reactions

No known hazardous reactions. Hazardous reactions will not occur under normal transport or storage conditions.

10.4 Conditions to avoid

Excessive heat, sources of ignition.

10.5 Incompatible materials

Avoid strong oxidizing materials/agents.

10.6 Hazardous decomposition products

Combustion produces carbon monoxide, carbon dioxide, and thick smoke. In general, products of combustion (such as organic materials) may be irritating and toxic.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

Not expected to be acutely toxic. Ingestion of a single dose is unlikely to cause harm.

Skin corrosion/irritation

Not classified as corrosive to skin or a skin irritant.

Serious eye damage/irritation

Not classified as an eye irritant or considered seriously damaging to the eye.

Respiratory or skin sensitization

Not expected to be classified as a respiratory sensitizer. Does not demonstrate potential for skin sensitization.

Germ cell mutagenicity, carcinogenicity & reproductive toxicity

Not expected to be classified as germ cell mutagenic, carcinogenic nor as a reproductive toxicant. This substance or mixture is not found on the following international and US lists: NTP, IARC, and OSHA.

Specific target organ toxicity (single exposure)

Not expected to be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity (repeated exposure)

Not expected to be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

Not expected to be classified as presenting an aspiration hazard.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

No ecological hazards are associated with this product.

12.2 Persistence and degradability

Not expected to persist in environment based upon available information. Expected to meet at least one definition of biodegradable.

12.3 Bioaccumulative potential

Bioaccumulation is not expected in the aquatic environment.

12.4 Mobility in soil

The potential for mobility in soil is expected to be low (Koc between 500 and 2000).

12.5 Results of PBT and vPvB assessment

This substance/mixture does not meet the criteria for PBT or vPvB.

12.6 Other adverse effects

No data available

SECTION 13: DISPOSAL CONSIDERATION

13.1 Waste treatment methods

Product

Handle all waste with care. Consult the appropriate local expert regarding waste disposal. Waste disposal must be handled in accordance with relevant regulations.

Waste from residue/unused products: Where possible, recycling is preferred over disposal or incineration. Collect and dispose of waste at an authorized disposal facility in compliance with applicable legislations.

Contaminated packaging

Empty containers should be taken to an authorized waste handling site for recycling. If recycling is not possible or practicable, dispose in compliance with applicable legislations.

SECTION 14: TRANSPORT INFORMATION

RELEVANT PROVISIONS/REGULATION OF THE UNITED STATES (US):

- This substance/mixture is not classified by DOT, and not subject to transport regulations.
- NMFC classification #144920 (Fatty acid esters of vegetable, fish or animal oils, NOI, solidified/hydrogenated in bags, boxes or drums).

	Land Transport (ADR/RID)	Inland Waterways (ADN)	Sea Transport (IMDG)	Air Transport (ICAO/IATA)
UN Number	Not subject to transport regulations	Not subject to transport regulations	Not subject to transport regulations	Not subject to transport regulations
UN Proper Shipping Name	Not relevant	Not relevant	Not relevant	Not relevant
Transport Hazard Class(es)	Not relevant	Not relevant	Not relevant	Not relevant
Packing Group	Not relevant	Not relevant	Not relevant	Not relevant
Environmental Hazards	None	None	None	None
Special Precautions for User	No additional information	No additional information	No additional information	No additional information
Transport in Bulk According to Annex II of MARPOL 73/78 & the IBC Code	Not subject to ADR/RID	Not subject to ADN	No subject to IMDG	Not subject to ICAO/IATA

SECTION 15: OTHER REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Relevant provisions/regulations of the european union (eu):

- Regulation (EC) No 1272/2008, 67/548/EEC or 1999/45/EC regarding hazardous or dangerous substance/mixture classification: Not classified as hazardous or dangerous.
- Restrictions according to REACH, Annex XVII and Commission Regulation (EU) No 474/2014: Not listed.
- List of substances subject to authorization (REACH, Annex XIV): Not listed.
- Regulation 649/2012/EU concerning the export/import of hazardous chemicals (PIC): Not listed.
- Regulation (EC) No 1005/2009/EC on substances that deplete the ozone layer (ODS), amending Regulation (EC) No 2037/2000: Not listed.
- Regulation (EC) No 850/2004 on persistent organic pollutants (POP), amending Directive 79/117/EEC: Not listed.
- Regulation 166/2006/EC concerning the establishment of a European Pollutant Release and Transfer Register (PRTR): Not listed.
- Directive 2000/60/EC establishing a framework for communication action in the field of water policy (WFD): Not listed.

RELEVANT PROVISIONS/REGULATIONS OF THE UNITED STATES (US):

- These materials are intended to be used as cosmetic and personal care ingredients and are exempt from Toxic Substances Control Act (TSCA) regulation (40 CFR 710) when used as such. Do not use for other purposes. All ingredients not confirmed on the TSCA Chemical Substance Inventory.
- This product does not contain any chemicals subject to the reporting requirements of EPA regulations 40 CFR 355, 370 and 372 (SARA Section 313).

15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out.

SECTION 16: ADDITIONAL INFORMATION

This information is provided for documentation purposes only.

The information contained in this Certificate of Analysis and Material Safety Data Sheet is obtained from current and reliable sources. The information contained herein is true and to the best of Indenta Chemicals (India) Pvt. Ltd. knowledge. Nothing herein should be interpreted as a recommendation to infringe existing patents or violate any Laws or Regulation. Final determination of the suitability of the material is the sole responsibility of the user. Customers should purchase products from Indenta Chemicals (India) Pvt. Ltd. with the clear understanding that all products must be used at the customer's own discretion and only after referencing Material Safety Data Sheets (MSDS) and all other relevant technical information specific to the product. Indenta Chemicals (India) Pvt. Ltd. shall not be held responsible for any damages to property or for any adverse physical effects (including injury or bodily harm) caused by insufficient knowledge or the improper use of a product. The user of the product is solely responsible for compliance with all laws and regulations applying to the use of the products, including intellectual property rights of third parties. As with any manufacturing process, Indenta Chemicals (India) Pvt. Ltd. strongly recommends small lab scale testing for evaluation purposes prior to full commercial manufacturing. The information on the Indenta Chemicals (India) Pvt. Ltd. website is obtained from current and reliable sources but makes no representation as to its comprehensiveness or accuracy. Nothing contained herein should be considered as a recommendation by Indenta Chemicals (India) Pvt. Ltd. as to the fitness for any use. As the ordinary or otherwise use(s) of this product is outside the control of Indenta Chemicals (India) Pvt. Ltd., no representation or warranty, expressed or implied is made as to the effect(s) of such use(s) (including damage or injury), or the results obtained. The liability of Indenta Chemicals (India) Pvt. Ltd. is limited to the value of the goods and does not include any consequential loss. Indenta Chemicals (India) Pvt. Ltd. shall not be liable for any errors or delays in the content, or for any actions taken in reliance thereon.