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SAFETY DATA SHEET

(according to Regulation (EU) No. 1907/2006)

PRODUCT: MORINGA SEED OIL

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- 1.1 **Product identifier** : COLD PRESSED MORINGA SEED OIL
Scientific name: Moringa oleifera **INCI Name:** Moringa oleifera seed oil
CAS: 93165-54-9 **EINECS Number:** 296-941-1
Index No / Inventory Num.: -- **REACH Registration number:**
- 1.2 **Usage:** Personal Care formulations
- 1.3 **Details of the supplier of the safety data sheet:**
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Clocolan
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- 1.4 **Emergency telephone number:** +27 (0) 83 303 8253

SECTION 2: Hazards identification

- 2.1 **Hazardous components** – None
2.2 **Health hazards:** May cause eye irritation
2.3 **Flammability hazards:** non-flammable liquid with a flashpoint >200°C
2.4 **Reactivity hazards** : None
2.5 **Environmental hazards:** Not been investigated, however release may cause adverse environmental effects.

SECTION 3: Composition/information on ingredients

Vegetable oil obtained by cold pressing of the seeds of Moringa oleifera seed oil

Ingredients	WT%	CAS #	EINECS#	Hazard classified.	Risk Phrases
Moringa Oleifera seed oil	100%	93165-54-9	296-941-1	Not classified	None

SECTION 4: First aid measures

4.1 Description of first aid measures

- Consumption:** N/A
Eye contact: First rinse with plenty of water for several minutes. If irritation persists take to a doctor.
Inhalation: N/A
Skin contact: N/A
- 4.2 **Most important symptoms and effects, both acute and delayed:** None

SECTION 5: Firefighting measures

- 5.1 **Flash Point:** >200°C
5.2 **Extinguishing media:** Recommended: Foam or dry powder. For safety reasons do not use full water jet.
5.3 **Special hazards arising from the substance or mixture:** Not applicable.
5.4 **Advice for firefighters:** Closed containers may build up pressure at elevated temperatures. Avoid inhalation of fumes or vapours. Use appropriate respiratory protection. Prevent run-off from fire fighting to enter drains or water courses.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures: Do NOT smoke and do NOT expose the product to an open flame or to any other potential source of ignition. Wear appropriate gloves to prevent skin exposure. Avoid contact with skin and inhalation of its vapours or smoke. Maintain adequate ventilation in the working area after spilling.

6.2 Environmental precautions: Avoid contaminating the environment via the sewers or water sources.

6.3 Methods and material for containment and cleaning up: Cover with an inert, inorganic, non-combustible absorbent material (e.g. dry-lime, sand, soda ash). Ventilate area and wash spill site after material pickup is complete. Dispose of in accordance with current laws and regulations.

SECTION 7: Handling and storage

7.1 Precautions for safe handling:

Keep away from food, drink and animal feeding stuffs. Do not smoke. Avoid contact with skin and eyes. Handle in accordance with good industrial hygiene and safety practice.

7.2 Conditions for safe storage, including any incompatibilities:

Keep the product in its original container well sealed, in a dry and ventilated area, away from potential sources of ignition and protected from light. Store in accordance with national regulations and follow the warnings on the label.

7.3 Packaging

Glass, lacquer lined steel drums, Aluminium, HDPE,

7.4 Shelf life

When stored within advised conditions, retest after 12 months and then at 3 months intervals up to a maximum life of 36 months

SECTION 8: Exposure controls/personal protection

8.1 Control parameters Occupational Exposure Limits

8.2 Exposure Parameters

Ingredients	CAS #	OSHA PEL	NIOSH PEL
Moringa Oleifera seed oil	93165-54-9	TWA 15mg/m ³ (Total) 5mg/m ³ (Respirable Fraction) <i>Vegetable oil</i>	TWA 10mg/m ³ (Total) 5mg/m ³ (Respirable Fraction) <i>Vegetable oil</i>

8.3 Exposure controls

Personal protection equipment: Use personal protection equipment according to Directive 89/686/EEC.

Eye/Face protection: N/A

Respiratory Protection: N/A

Skin Protection: N/A

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance: LIQUID

Colour: Colourless to clear pale yellow

Odour: Subtle neutral

Flash Point: >200°C

Peroxide value

Iodine value

Saponification value

Solubility in water insoluble

SECTION 10: Stability and reactivity

10.1 Stability

Stable under normal conditions of use

10.2 Incompatibility

Avoid strong oxidizers acids alkali.

10.3 Possibility of hazardous reactions: **Hazardous Polymerization:** will not occur

10.4 Conditions to avoid: Avoid excessive temperature and sunlight

10.5 Incompatible materials: Strong oxidizing agents

10.6 Hazardous decomposition products: Carbon monoxide and dioxide smoke (thermal decomposition products are water and CO²).

SECTION 11: Toxicological information

11.1 Acute oral

11.2 Dermal non-toxic

11.3 Eye None

11.4 Inhalation N/A

11.5 Irritancy Skin and eyes – not expected to be an irritant

11.6 Carcinogenicity not listed as a carcinogen and is accepted skin care ingredient -GRAS

11.7 Sensitization to product: Not expected to cause skin sensitization

SECTION 12: Ecological information

12.1 Bio-degradation No information

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Container disposal: Can be reused.

Disposal conditions: Dispose of in accordance with all state and local environmental regulations. This material and its container must be disposed of in a safe way.

SECTION 14: Transport information

14.1 Customs tariff code Non regulated material

14.2 Road(ADR/RID) This product is not considered as dangerous

14.3 Air (IATA) This product is not considered as dangerous

14.4 Sea(IMDG) This product is not considered as dangerous

SECTION 15: Regulatory information

15.1 Hazards: N/A

15.2 Symbols N/A

15.3 Risk phrases N/A.

15.4 Safety phrases N/A.

SECTION 16: Other information

This material is provided for documentation purposes only

Key literature references and sources for data:

1. Council Directive 67/548/EEC of 27 June 1967 on the approximation of laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances.
2. Directive 1999/45/EC of the European Parliament and of the Council of 31 May 1999 concerning the approximation of the laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labelling of dangerous preparations.
3. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.
4. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
5. Occupational Exposure Limits by the INSHT (Spanish National Institute of Safety and Hygiene at Work)