



Certificate of Analysis

PRODUCT DETAILS		
Product Name	MORINGA SEED OIL	
Product Code	OVMORI	
Tariff Number	15159060	
Country of Origin	Various	
Batch Number	4379406	
Best Before End	November 2021	
Identification	CAS No: 93165-54-9	EC No:296-941-1
PHYSICAL AND CHEMICAL CHARACTERISTIC		
	SPECIFICATION RANGE	RESULTS
Appearance	Liquid	Conforms
Colour	Pale Yellow to Yellow	Conforms
Odour	Characteristic	Conforms
Relative Density @ 20°C	0.909 - 0.922	0.915
Refractive Index @ 20°C	1.464 - 1.474	1.47
Acid Value (mgKOH/g)	≤1.0	0.1
Saponification Value (mgKOH/g)	185.0 - 197.0	190
Peroxide Value (Meg/kg)	≤5.0 (at time of production analysis)	0.23
Fatty Acid Profile (%)		
C16:0 Palmitic Acid	≤10.5	6.12
C18:0 Stearic Acid	≤12.0	2.96
C18:1 Oleic Acid	65.0 - 85.0	77.3
C18:2 Linoleic Acid	≤22.0	14.06
C20:0 Arachidic Acid	≤2.0	0.32
STORAGE AND SHELF LIFE		
Storage	Store in tightly closed container with minimum headspace in a cool, dark and dry place.	
Shelf life	24 Months unopened and stored as above.	

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ALLERGEN STATEMENT

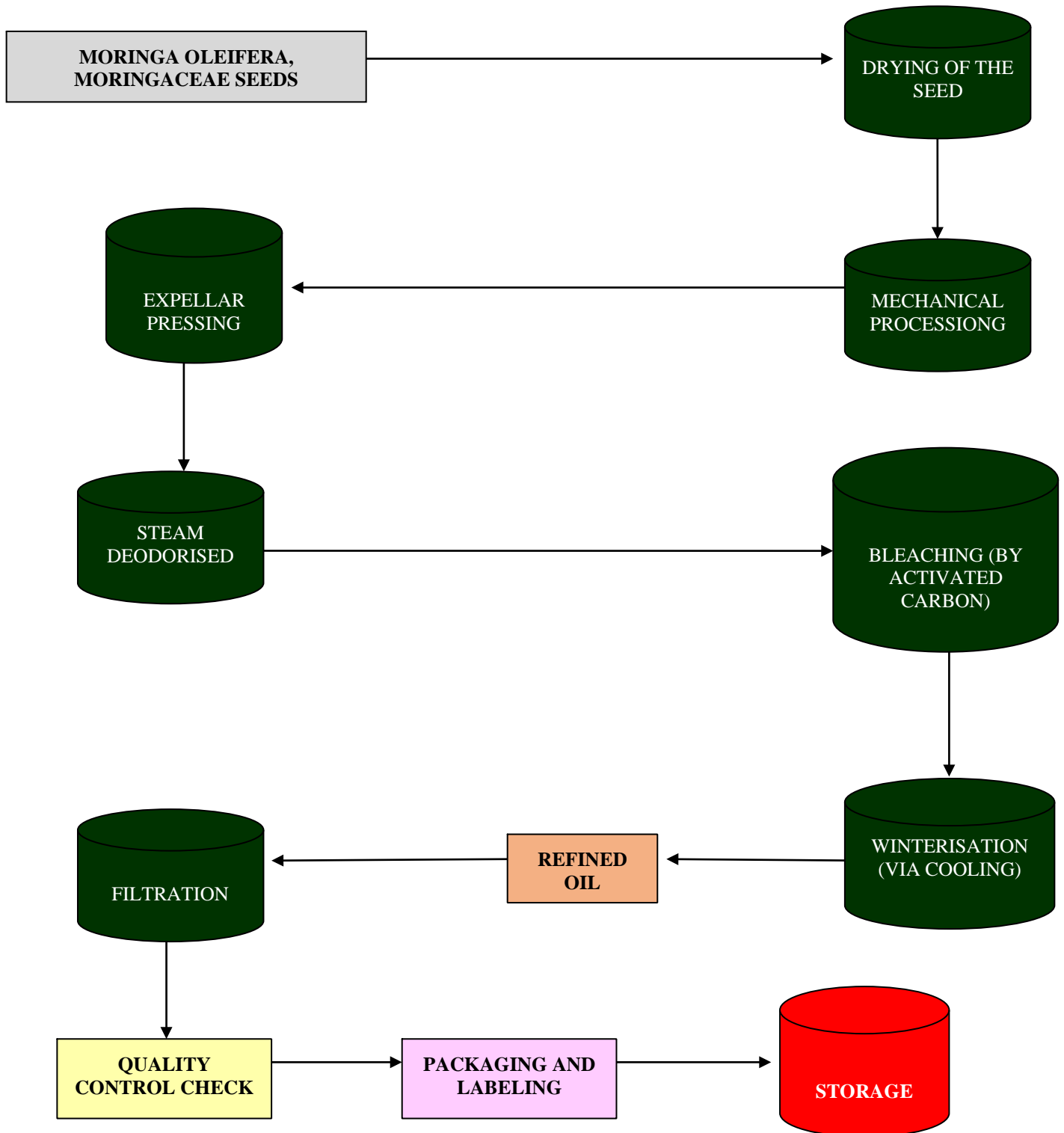
PRODUCT NAME MORINGA SEED OIL

Compounds	C.A.S	% Natural	% Synthetic	% Total
Alpha-Hexyl cinnamic aldehyde (HCA)	101-86-0	-	-	-
Amyl cinnamic alcohol	101-85-9	-	-	-
Amyl cinnamic aldehyde (ACA)	122-40-7	-	-	-
Anisyl alcohol	105-13-5	-	-	-
Benzyl salicylate	118-58-1	-	-	-
Benzyl benzoate	120-51-4	-	-	-
Benzyl cinnamate	103-41-3	-	-	-
Benzyl alcohol	100-51-6	-	-	-
Cinnamic alcohol	104-54-1	-	-	-
Cinnamic aldehyde	104-55-2	-	-	-
Citral	5392-40-5	-	-	-
Citronellol	106-22-9	-	-	-
Coumarin (2p-1-benzopyran-2-one	91-64-5	-	-	-
D'limonene	5989-27-5	-	-	-
Eugenol	97-53-0	-	-	-
Farnesol	4602-84-0	-	-	-
Geraniol	106-24-1	-	-	-
Lylal (Hydroxymethylpentyl cyclohexene carbalde)	31906-04-4	-	-	-
Hydroxycitronellal	107-75-5	-	-	-
Isoeugenol	97-54-1	-	-	-
Alpha-Iso-methyl Ionone	127-51-5	-	-	-
Linalool	78-70-6	-	-	-
Methyl heptine carbonate	111-12-6	-	-	-
Oakmoss absolute	9000-50-4	-	-	-
p-tert-Butyl-alpha-methylhydrocinnamic a	80-54-6	-	-	-
Tree moss	68648-41-9	-	-	-
	TOTAL	-	-	-

BiOrigins, 19-20 Sandleheath Industrial Estate, Fordingbridge, Hampshire, SP6 1PA, UK

Tel: 01425 655555 Email: technical@madarcorporation.co.uk

MORINGA SEED OIL
FLOW CHART





SAFETY DATA SHEET
MORINGA SEED OIL

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name MORINGA SEED OIL
Product No. OVMORI
Synonyms, Trade Names CAS- Moringa Oleifera Seed Oil
No. 85507-69-3
EC No. 287-390-8

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet

Supplier MADAR Corproation Limited
19-20 Sandleheath Industrial Estate
Fordingbridge
Hampshire
SP6 1PA

Tel: +44 1425 655555 (Opening Hours 9am - 5pm)

sales@madarcorporation.co.uk

1.4. Emergency telephone number

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and Chemical Hazards Not classified.
Human health Not classified. Environment Not classified.

Classification (67/548/EEC)

Not classified.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

2.2. Label elements

EC No. 287-390-8
Label In Accordance With (EC) No. 1272/2008
No pictogram required.

2.3. Other hazards

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Product name MORINGA SEED OIL
CAS-No. 85507-69-3
EC No. 287-390-8

SECTION 4: FIRST AID MEASURES

MORINGA SEED OIL

4.1. Description of first aid measures

Inhalation

No vapours present at normal temperatures.

Ingestion

Product is not considered hazardous. Product is edible quality. Seek medical advice in case of any adverse effects.

Skin contact

Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.

Eye contact

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention if any discomfort continues.

4.2. Most important symptoms and effects, both acute and delayed

4.3. Indication of any immediate medical attention and special treatment needed

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

Use as appropriate: CO₂, dry powder or foam type extinguishers, spraying extinguishing media to base of flames.

Unsuitable extinguishing media

Do not use direct water jet on burning material.

5.2. Special hazards arising from the substance or mixture

Specific hazards

Closed containers may build up pressure when exposed to heat and should be cooled with water spray.

5.3. Advice for firefighters

Special Fire Fighting Procedures

Avoid breathing fire vapours. Keep away from sources of heat, sparks and flames. Cool endangered drums with water.

Protective equipment for fire-fighters

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Avoid inhalation and direct contact with skin and eyes. Use individual protective equipment (safety glasses, waterproof boots, suitable protective clothing) in case of major spillages.

6.2. Environmental precautions

Do not discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

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. Observe state, federal & local regulations.

6.4. Reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Apply good manufacturing practise and industrial hygiene practises, ensuring proper ventilation. Observe good personal hygiene and do not eat, drink or smoke whilst handling.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep air contact to a minimum. Keep away from heat sources and protected from light.

7.3. Specific end use(s)

MORINGA SEED OIL

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

8.2. Exposure controls

Protective equipment



Process conditions

Provide eyewash station.

Engineering measures

Provide adequate ventilation.

Respiratory equipment

In case of inadequate ventilation use suitable respirator.

Hand protection

Chemical resistant gloves (PVC)

Eye protection

Wear approved safety goggles.

Hygiene measures

Good personal hygiene practices are always advisable, especially when working with chemicals / oils.

Personal protection

Avoid inhalation and contact with skin and eyes.

Skin protection

Wear an apron.

Environmental Exposure Controls

Avoid discharging into drainage water. Only eliminate by authorised companies.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Yellow.
Odour	Free from rancid and foreign odours
Relative density	0.912 - 0.922 20c
Flash point (°C)	>300c

9.2. Other information

Refractive Index	1.464 - 1.474
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SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

It presents no significant reactivity hazards, by itself or in contact with water.

10.2. Chemical stability

Stable under normal temperature conditions.

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

10.5. Incompatible materials

Materials To Avoid

Strong acids. Strong alkalis. Strong oxides.

10.6. Hazardous decomposition products

None (thermal decomposition products are H₂O and CO₂)

MORINGA SEED OIL

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Toxicological information

No information available.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Not known.

12.1. Toxicity

12.2. Persistence and degradability

12.3. Bioaccumulative potential

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Dispose of in compliance with all local and national regulations.

SECTION 14: TRANSPORT INFORMATION

General

Not regulated.

14.1. UN number

14.2. UN proper shipping name

14.3. Transport hazard class(es)

14.4. Packing group

14.5. Environmental hazards

14.6. Special precautions for user

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

SECTION 15: REGULATORY INFORMATION

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

Guidance Notes

CHIP for everyone HSG(108).

EU Legislation

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, including amendments.

MORINGA SEED OIL

15.2. Chemical Safety Assessment

SECTION 16: OTHER INFORMATION

SDS No. 20460
Date 23/07/2014
Risk Phrases In Full
NC Not classified.
Hazard Statements In Full



Product Specification

PRODUCT DETAILS		
Product Name	MORINGA SEED OIL	
Product Code	OVMORI	
Tariff Number	15159060	
Country of Origin	Various	
INCI Name	Moringa Oleifera, Moringaceae	
Natural Status	We hereby declare, to the best of our knowledge and from information received from our supplier, that this product is in accordance to the requirements of Articles 3 (2) (d) of Regulation (EC) 1334/2008 and therefore can be designated as natural. This product does not contain any solvents or additives.	
Food Grade Status	No	
Kosher Certified	Not Certified	
Halal Certified	Suitable	
GMO Declaration	To the best of our knowledge and from information received from our supplier, this product does not derive from genetically modified starting raw material, or additives that are derived from genetically modified organisms.	
Manufacturing Process	Please request Flowchart	
Identification	CAS No: 93165-54-9	EC No:296-941-1
PHYSICAL AND CHEMICAL CHARACTERISTIC		
Appearance	Liquid	
Colour	Pale Yellow to Yellow	
Odour	Characteristic	
Relative Density @ 20°C	0.909 - 0.922	
Refractive Index @ 20°C	1.464 - 1.474	
Flash Point °C	≥300	
Solubilities	Insoluble in water. Soluble in common organic solvents.	
Acid Value (mgKOH/g)	≤1.0	
Saponification Value (mgKOH/g)	185.0 - 197.0	
Peroxide Value (Meg/kg)	≤5.0 (at time of production analysis)	
Fatty Acid Profile (%)		
C16:0 Palmitic Acid	≤10.5	
C18:0 Stearic Acid	≤12.0	
C18:1 Oleic Acid	65.0 - 85.0	
C18:2 Linoleic Acid	≤22.0	
C20:0 Arachidic Acid	≤2.0	
FRAGRANCE ALLERGENS		
NONE PRESENT		
FOOD ALLERGENS		
NONE PRESENT		
IFRA		

NONE PRESENT		
STORAGE AND SHELF LIFE		
Storage	Store in tightly closed container with minimum headspace in a cool, dark and dry place.	

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Vegan and Vegetarian Statement

IDENTIFICATION	
Product:	MORINGA SEED OIL
Cas No:	93165-54-9
EINECS No:	296-941-1
STATEMENT	
<p>We, MADAR Corporation Limited, from information received from our supplier, hereby declare that the material listed above is compliant with a vegan or vegetarian diet.</p> <p>It does not contain any animal ingredients or animal by products. No animal ingredients or by products are used in the manufacturing process.</p> <p>This document represents to the best of our knowledge and from information received from our supplier. It does not release the buyer from the obligation to carry out an examination of the goods received. All uses made by the buyer are done under their own responsibility.</p>	