



CERTIFICATE OF ANALYSIS
ORGANIC PRICKLY PEAR SEED OIL

Batch No:	4496305
Best Before	February 2025

Appearance @20°C: A yellow liquid.
Odour & Taste: Free from rancid and foreign odours and flavours.

TEST	SPECIFICATION	ANALYSIS
Relative Density @ 20°C (g/ml)	0.913 - 0.922	0.923
Refractive Index @ 20°C	1.470 – 1.480	1.475
Acid value (mgKOH/g)	< 1.0	0.42
Peroxide value (Meq/kg)	< 10.0	1.33

FATTY ACID PROFILE	SPECIFICATION	ANALYSIS
C 16:0 Palmitic Acid	8.0 – 12.0	10.26
C 16:1 Palmitoleic Acid	0.7 maximum	0.42
C 18:0 Stearic Acid	2.5 – 5.0	3.30
C 18:1 Oleic Acid	14.0 – 22.0	17.38
C 18:2 Linoleic Acid	63.0 – 72.0	68.76
C 18:3 Linolenic Acid	0.5 maximum	0.23
C 20:0 Arachidic Acid	0.5 maximum	0.36
C 20:1 Eicosenoic Acid	0.5 maximum	0.17
C 22:0 Behenic Acid	1.0 maximum	0.16

Opuntia Ficus Indica Seed Oil is a vegetable oil triglyceride from the seeds of the Prickly Pear plant.

This COA is produced electronically therefore no signature is required.



Flowchart

PRODUCT Organic Prickly Pear Oil

CODE WHC929



DATE 10/05/2022

Washed Seeds

Sieved & Dried

Quality Control Check

Cold Pressing

Filtration

Quality Control Check

Packaging & Labelling

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GMO Statement

PRODUCT NAME: Prickly Pear Organic

MADAR Corporation Limited can confirm that the above listed product is GMO Free.

19-5-2022



Material Safety Data Sheet

01. IDENTIFICATION OF THE SUBSTANCE/ PREPARATION & THE COMPANY/ UNDERTAKING

1.1 PRODUCT IDENTIFIER

PRODUCT NAME Organic Prickly Pear Seed Oil

INCI NAME Opuntia Ficus Indica Seed Oil

CAS 90082-21-6

EC 290-109-1

1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE, AND USES ADVISED AGAINST

Professional use only - suitable as component in personal care products

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

COMPANY Madar Corporation Limited

ADDRESS 19 - 20 Sandleheath Industrial Estate, Fordingbridge, SP6 1PA

EMAIL ADDRESS technical@madarcorporation.co.uk

1.4 EMERGENCY TELEPHONE NUMBER + 44 (0) 1425 655 555

02. HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

CLASSIFICATION (EC 1272/2008)

Not classified as hazardous.

2.2 LABEL ELEMENTS

LABEL IN ACCORDANCE WITH (EC) NO 1272/2008

None

SIGNAL WORD None

HAZARD STATEMENTS

None

PRECAUTIONARY STATEMENTS AND/OR SUPPLEMENTARY STATEMENTS

None

SUPPLEMENTARY STATEMENTS

None

2.3 OTHER HAZARDS

ADVERSE EFFECTS ON HUMAN HEALTH No additional data

ADVERSE PHYSIO-CHEMICAL PROPERTIES No additional data

03. COMPOSITION/ INFORMATION ON INGREDIENTS

3.1/3.2 SUBSTANCES/ MIXTURES

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100.0% Opuntia Ficus Indica Seed Oil

CAS: 90082-21-6

Classification:

- Not classified as hazardous

04. FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES

INHALATION	Remove to fresh air and remain in a position which is comfortable for breathing. If discomfort occurs/continues, seek medical attention.
INGESTION	Do NOT induce vomiting. Ingestion may cause nausea and vomiting. Immediately rinse mouth and provide fresh air. Excessive ingestion can cause gastric distress and mild diarrhoea. If discomfort occurs/continues or if large amounts have been ingested, seek medical attention.
SKIN CONTACT	Remove contaminated clothing and wash before reuse. Wash skin thoroughly with soap and water. If discomfort occurs/continues, seek medical attention.
EYE CONTACT	Rinse eyes with clean water for a minimum of fifteen minutes. If safe to do so, remove to contact lenses and continue to rinse. Seek medical attention.

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Product can irritate eyes.

Product can irritate respiratory system.

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Treat symptomatically.

05. FIREFIGHTING MEASURES

5.1 EXTINGUISHING METHODS

- Carbon Dioxide
- Alcohol Resistant Foam
- Dry Chemical Powder

Do NOT use water.

5.2 HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

In the event of fire this product can generate oxides of carbon and other toxic gases. A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health. Do not breathe in smoke.

5.3 ADVICE FOR FIREFIGHTERS

Wear self-contained respiratory equipment and appropriate protective clothing at all times. Do not inhale any gases or fumes which may be generated. Containers in close proximity to fire should be removed to a safe distance and the exterior of the container cooled with water. Do not allow oil to spread.

06. ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Wear protective clothing as recommended at all times. Handle the product using protective gloves resistant to the chemicals exposed. Avoid contact with skin and inhalation of its vapours. Maintain adequate ventilation in the working area after spilling.

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Material Safety Data Sheet

6.2 ENVIROMENTAL PRECAUTIONS

Do not allow the product to enter drains or sewers, water course or the ground. Do not allow the product to enter the environment.

6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP THIS PRODUCT

Soak up spillage with sand or other inert material. Transfer-soaked material to suitable waste container and dispose according to prevailing regulations. If spillage on water occurs; Remove from the surface with suitable adsorbent material. Disposal according to UK/EU Environmental regulations.

6.4 REFERENCE TO OTHER SECTIONS

Section 13

07. EXPOSURE CONTROLS AND/OR PERSONAL PROTECTION

7.1 PRECAUTIONS FOR SAFE HANDLING

Adhere to all good health, safety and hygiene practices. If handling large/heavy packages or drums, ensure the use of suitable mechanical equipment at all times. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Wear personal protective equipment. Do not breathe vapours or spray mist. Use only in area provided with adequate ventilation. Do not eat, drink or smoke whilst handling this product.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Store in a cool, dry, well-ventilated area. Protect from freezing, heat and light including sunlight. Protect from all potential sources of ignition. Keep all containers tightly sealed when not in use. Intrusion into soil to be avoided. Storage area should not exceed room temperature, refrigeration storage recommended. Electrical equipment and fittings must comply with local regulations.

7.3 SPECIFIC END USE(S)

No additional data

08. EXPOSURE CONTROLS

8.1 CONTROL PARAMETERS

No additional data

8.2 EXPOSURE CONTROLS

PROTECTIVE EQUIPMENT



Use all equipment as required and/or recommended for safe handling.

PROCESS CONDITIONS

No additional data

ENGINEERING MEASURES

Install sufficient ventilation across all areas. Install readily available eyewash stations and safety showers.

RESPIRATORY EQUIPMENT

In the event of airborne contamination or ventilation failure ensure the use of suitable respiratory equipment/protection.

HAND PROTECTION

Wear appropriate protective chemically resistant gloves which comply with EN374.



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EYE PROTECTION	Wear appropriate protective safety goggles which comply with EN166.
HYGIENE MEASURES	Good hygiene practices are always recommended, especially when handling oils, chemicals or any other similar type of material.
SKIN PROTECTION	Wear appropriate protective chemically resistant clothing at all times to prevent any potential skin contact with this product.
ENVIRONMENTAL EXPOSURE CONTROLS	Do not allow the product to enter drains or sewers, water course or the ground. Prevent environmental contamination.
OTHER AND/OR PERSONAL PROTECTIVE MEASURES	No additional data

09. PHYSICAL AND CHEMICAL PROPERTIES

7.1 INFORMATION ON BASIC PHYSICAL & CHEMICAL PROPERTIES

APPEARANCE (E.G. LIQUID)	Liquid
COLOUR	Yellow
ODOUR	Characteristic
SPECIFIC GRAVITY	~0.9185 @ 20°C
REFRACTIVE INDEX	~1.4750 @ 20°C
FLASH POINT (°C)	>200.0
AUTO-IGNITION TEMPERATURE (°C)	No additional data
MELTING POINT (°C)	No additional data
BOILING POINT (°C)	No additional data
SOLUBILITY	Insoluble in water Soluble in oil/ethanol
VAPOUR PRESSURE	No additional data

9.2 ADDITIONAL INFORMATION

No additional data

10. STABILITY & REACTIVITY

10.1 REACTIVITY

Expected to remain stable under recommended storage conditions.

10.2 CHEMICAL STABILITY

Expected to remain stable under recommended storage conditions.

10.3 POSSIBLE HAZARDOUS REACTIONS

Combustible product forming carbon monoxide and unidentifiable organic compounds on combustion.

10.4 CONDITIONS TO AVOID

No additional data

10.5 INCOMPATIBLE MATERIALS

Strong Acids, Alkalis, Oxidising Agents
All potential sources of ignition.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

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Does not decompose at proper handling. Hazardous polymerization will not occur. In the event of fire this product may generate oxides of carbon and other toxic gases.

11. TOXOLOGICAL INFORMATION

11.1 ACUTE TOXICITY

No additional data

11.2 SKIN CORROSION/IRRITATION

No additional data

11.3 SERIOUS EYE DAMAGE/IRRITATION

No additional data

11.4 RESPIRATORY/SKIN SENSITIZATION

No additional data

11.5 GERM CELL MUTAGENICITY/CARCINOGENICITY/REPRODUCTIVE TOXICITY

No additional data

11.6 STOT – SINGLE EXPOSURE

No additional data

11.7 STOT – REPEATED EXPOSURE

No additional data

11.8 ASPIRATION HAZARD

No additional data

11.9 GENERAL AND/OR ADDITIONAL DATA; E.G. PHOTOTOXICITY

No additional data

12. ECOLOGICAL AFFECTS

12.1 TOXICITY

No additional data

12.2 PERSISTENCE & DEGRADABILITY

No additional data

12.3 BIOACCUMULATIVE POTENTIAL

No additional data

12.4 MOBILITY IN SOIL AND/OR WATER

No additional data

12.5 RESULTS OF A PBT/vPvB ASSESSMENT

No additional data

12.6 OTHER ADVERSE EFFECTS

No additional data

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13. DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS

Always dispose of this product in accordance with local and national regulations. Do not allow entry into drains or waterways. Do not contaminate the ground or water with waste. Do not dispose of waste into the environment. Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals. Recycling is always preferable to disposal. When containers have been fully emptied, ensure the labelling remains.

14. TRANSPORT INFORMATION

14.1	UN NUMBER	Not restricted
14.2	UN PROPER SHIPPING NAME	Not applicable
14.3	TRANSPORT HAZARD CLASS(ES)	Not applicable
14.4	PACKING GROUP	Not applicable
14.5	ENVIRONMENTAL HAZARDS	Not applicable
14.6	SPECIAL PRECAUTIONS FOR USER	Details throughout document: 6, 7, 8
14.7	TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 AND THE IBC CODE	No additional data

15. REGULATORY INFORMATION

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

This Safety Data Sheet was prepared in accordance with EC Regulation (EC) 1907/2006 (REACH), 1272/2008 (CLP), EC 453/2010&830/2015.

15.2 CHEMICAL SAFETY ASSESSMENT

No additional data

16. OTHER INFORMATION

16.1	HAZARD STATEMENTS	None
16.2	REVISION DATE	13/05/2022
16.3	REVISION NUMBER	3

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Product Specification

PRODUCT	Organic Prickly Pear Seed Oil		
	DATE	13/05/2022	REVISION 3
DESCRIPTION	Opuntia Ficus-Indica Seed Oil is the oil expressed from the seeds of Opuntia ficus-indica.		
INCI NAME	Opuntia Ficus Indica Seed Oil		
CAS NUMBER	90082-21-6	EC NUMBER	290-109-1

CHARACTERISTICS

APPEARANCE AT ROOM TEMPERATURE	Liquid
COLOUR	Yellow
ODOUR	Characteristic

ANALYSIS

SPECIFIC GRAVITY (g/ml)	0.913 - 0.922 @ 20°C
REFRACTIVE INDEX	1.470 - 1.480 @ 20°C
PEROXIDE VALUE (AT TIME OF PRODUCTION ANALYSIS)	≤10.0
Acid Value (mg KOH/g)	≤1.00

FATTY ACID PROFILE (%)

C16:0	Palmitic Acid	8.00 - 12.0
C16:1	Palmitoleic Acid	≤0.70
C18:0	Stearic Acid	2.00 - 5.00
C18:1	Oleic Acid	14.0 - 22.0
C18:2	Linoleic Acid	63.0 - 72.0
C18:3	Linolenic Acid	≤0.50
C20:0	Arachidic Acid	≤0.50
C20:1	Eicosenoic Acid	≤0.50
C22:0	Behenic Acid	≤1.00

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Vegetarian & Vegan Suitability Statement

PRODUCT NAME: Prickly Pear Organic

MADAR Corporation Limited can confirm that the above listed product has not been tested in animals and does not contain dairy or any other animal product, by product or derivative and is therefore suitable for vegetarian and vegan use.

19-05-2022