



Certificate of Analysis

Product Description: Evening primrose oil virgin pressed organic

Product KOSHER: No

Batch No.: 4327803

Best Before End: June 2020

Country of Origin final product: CHINA

Shelf life data refers to our standard specification and assumes appropriate storage conditions in sealed original containers.

Physical and Chemical Characteristics

parameter	unit	specification	result
acid value	mg KOH/g	max. 5,0	2,20
peroxide value	meq O2/kg	max. 20,0	5,1
refractive index (20 °C)		ca. 1,478	1,4784
relative density (20 °C)		ca. 0,923	0,927

Fatty Acid Composition (GC of FAMES)

parameter	unit	specification	result
< C 16	%	max. 0,3	<0,05
16:0 palmitic acid	%	4,0 - 10,0	6,4
18:0 stearic acid	%	1,0 - 4,0	2,0
18:1 oleic acid	%	5,0 - 12,0	6,6
18:2 linoleic acid	%	65,0 - 85,0	74,4
18:3 gamma linolenic acid	%	7,0 - 14,0	9,3
18:3 alpha linolenic acid	%	max. 1,0	0,3

Allergen Statement:

Our Product:

Evening primrose oil refined min. 9% GLA

Allergen Data Sheet according to Directive 2011/1169/EC	Product ingredient	Risk of cross contamination	Remarks / details about the ingredient / origin and amount of cross contamination
	Y/N	Y/N	
Cereals containing gluten (i.e. wheat, rye, barley, oats, spelt, kamut or their hybridised strains) and products thereof	N	N	
Crustaceans and products thereof	N	N	
Eggs and products thereof	N	N	
Fish and products thereof	N	N	
Peanuts and products thereof	N	N	
Soybeans and products thereof	N	N	
Milk and products thereof (including lactose)	N	N	
Nuts i. e. Almond (<i>Amygdalus communis</i> L.), Hazelnut (<i>Corylus avellana</i>), Walnut (<i>Juglans regia</i>), Cashew (<i>Anacardium occidentale</i>), Pecan nut (<i>Carya illinoiesis</i> (Wangenh.) K. Koch), Brazil nut (<i>Bertholletia excelsa</i>), Pistachio nut (<i>Pistacia vera</i>), Macadamia nut and Queensland nut (<i>Macadamia ternifolia</i>) and products thereof	N	N	
Celery and products thereof	N	N	
Mustard and products thereof	N	N	
Sesame seeds and products thereof	N	N	
Sulphur dioxide and sulphites at concentrations of more than 10 mg/kg or 10 mg/litre expressed as SO ₂ ."	N	N	
Lupin and products thereof	N	N	
Molluscs and products thereof	N	N	

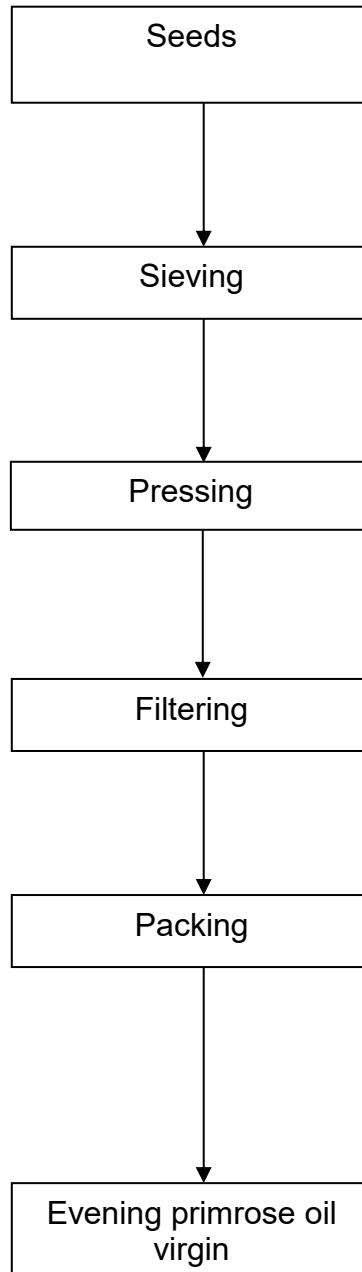
The a. m. information is given to the best of our knowledge and is valid until further notice.

22.01.2015



Pressing Process Flow Chart

Evening primrose oil virgin pressed organic





Safety data sheet according to 1907/2006/EC, Article 31

EVENING PRIMROSE OIL

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Version b

1. Identification of Substance/Preparation and Company :

- **Product name :** Evening primrose oil pressed and refined organic
- **Supplier:**
MADAR Corporation Limited
19-20 Sandleheath Industrial Estate
Fordingbridge
Hampshire
SP6 1PA
- **Approved Sellers :** Cosmetic Butters, Mystic Moments, New Directions, World of Moulds
- **REACH Status:** Exempted from compulsory Regulation according to Annex II No. 9 of Commission Regulation (EC) No. 987/2008 amending Regulation (EC) No 1907/2006 of REACH as regards Annexes IV and V.

2. Hazards Identification :

- **Human Health Hazards :** No specific hazards under normal use conditions.
- **Hazards Reactions :** None.

3. Composition / Information on Ingredients :

- **Chemical characterization :** Triglycerides from different fatty acids.
- **CAS-No. :** 90028-66-3
- **EINECS-No. :** 289-859-2
- **INCI Name:** Oenothera biennis oil

4. First - Aid - Measures :

- **General :** No important measures required.
- **First aid - inhalation :** Move to fresh air. Seek medical advice after significant exposure.
- **First aid - skin :** Remove soaked clothes and wash the skin with soap and water.
- **First aid - eye :** Rinse with plenty of water. Eyelids should be held away from the eyeball to ensure thorough rinsing. If symptoms persist seek medical advice.
- **First aid - ingestion :** No important measures required. Seek medical attention if necessary.

5. Fire Fighting Measures :

- **Extinguishing media :** Foam, dry chemical powder, carbon dioxide, sand or earth.
- **Unsuitable extinguishing media :** water
- **Special exposure hazards :** None.



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- **Protective equipment** : In case of insufficient ventilation, wear suitable respiratory equipment. Depending on the dimensions of the fire wear full protection.
- **Other information** : Avoid contact with oxidizing agents.

6. Accidental Release Measures :

- **Personal precautions** : The usual precautions for handling chemicals should be observed. Pay attention to the slippery ground.
- **Environmental precautions** : Prevent further leakage or spillage. Prevent from spreading or entering into drains, ditches or rivers by using sand, earth or appropriate barriers.
- **Clean - up methods** : Absorb or contain liquid with sand, earth or spill control material. Shovel into a suitable, clearly marked container for disposal.
- **Other information** : No dangerous substances will be released.

7. Handling and Storage :

- **Handling** : The usual precautions for handling chemicals should be observed. Keep away from open fire.
- **Storage** : Keep container tightly closed. Avoid direct sunlight, heat sources and strong oxidizing agents. → Store at ambient temperatures.
- **Fire and explosion prevent** : Avoid contact with oxidizing agents.

8. Exposure Controls / Personal Protection :

- **Engineering control measures** : The usual precautions for handling chemicals should be observed.

- **Occupational exposure standards** :

<u>Component name</u>	<u>Limit type</u>	<u>Value/Unit</u>	<u>Other Information</u>
			can be left out

- **Respiratory protection** : none
- **Hand protection** : none
- **Eye - Protection** : safety goggles

9. Physical and Chemical Properties :

- **Form** : liquid
- **Colour** : yellow
- **Odour** : characteristic

	<u>Value</u>	<u>Unit</u>	<u>Method</u>
• Change of physical state :			
• Melting - area :	unknown		
• Boiling - point :	> 250	°C	
• Flashpoint :	unknown		
• Ignition - point :	> 300	°C	
• Explosive properties :	unknown		
• Density : at 20 °C	0,920 - 0,930	g/cm ³	
• Vapour pressure :	unknown		



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- **Viscosity:** unknown
- **Solubility in**
 - water :** insoluble
 - organic solvents :** miscible

10. Stability / Reactivity :

- **Stability :** No thermal destruction if it is used properly.
- **Materials to avoid :** Avoid contact with strong oxidizing agents.
- **Hazardous decomposition products :** At very high temperatures acrolein may be formed.
- **Hazardous reactions :** none

11. Toxicological Information :

- **Acute toxicity :** There are no data available for this product.
- **Toxicological Data :**
 - Skin sensitisation :** Unknown
 - Skin irritation :** not irritating
 - Eye irritation :** not irritating
- **Additional toxicological information:**
Not classified as hazardous conform EEC Dangerous Substance Directive and Dangerous Preparation Directives. If the product is used properly it will not cause any injuries to health.

12. Ecological Information :

- **Biotic degradation :** biodegradable
- **Other information :** Specific ecological data for this product are not available.

13. Disposal Information :

- **Product :**
 - Precautions :** According to local regulations (most probably controlled incineration).
- **Contaminated packaging :**
 - Precautions :** According to local regulations.
- **Recommended detergent :** water and detergent

14. Transport Information :

Not dangerous for conveyance.

15. Regulatory Information :

- **EC Classification :**
Not classified as dangerous according to CLP Regulation (EC) No. 1272/2008.
Not classified as dangerous according to Directive 67/548/EC or Directive 1999/45/EC.
- **National Regulation :**
Wassergefährdungsklasse (Germany): nicht wassergefährdend im Sinne des § 19g Abs. 5 WHG.
(Einstufung nach VwVwS vom 17. Mai 1999, Nummer 1.2 a) in Verbindung mit Anhang 1)



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16. Other Information :

This data sheet and the health, safety and environmental information it contains is considered to be accurate as of the data of compilation specified above. Any information contained herein has been reviewed. However, no warranty or representation, express or implied, is made as to the accuracy or completeness of the data and information contained in this data sheet.

Health and safety precautions and environmental advice noted in this data sheet may not be accurate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as a permission, recommendation or authorisation, given or implied, to practice any patented invention without a valid licence. MADAR Corporation Limited shall not be responsible for any damage or injury resulting from the abnormal use of the material, from any failure to adhere to recommendations, or from any hazards inherent in the nature of the material.

Product - Specification



Reg-No.: Sp380120a

Rev-No.: a

Printing Date: 8. June 2016

Page: 1

Product / Trading-Name: **Evening primrose oil virgin pressed organic**

Description: Evening primrose oil is obtained from the seeds of Oenothera, especially Oenothera Biennis L. und Oenothera Lamarkiana L. through cold expression. It is not refined.

Product No.: 380120

CAS No.: 90028-66-3

EINECS No.: 289-859-2

INCI Name: Oenothera Biennis Oil

Properties: Yellow to greenish oil with typical odour and taste. Practically insoluble in water and in ethanol, miscible with light petroleum.

Parameter	Method	Unit	Value
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Physical and Chemical Characteristics

acid value	Ph. Eur. [2.5.1]	mg KOH/g	max. 5,0
peroxide value	Ph. Eur. [2.5.5]	meq O2/kg	max. 20,0
refractive index (20 °C)	Ph. Eur. [2.2.6]		ca. 1,478
relative density (20 °C)	Ph. Eur. [2.2.5]		ca. 0,923

Fatty Acid Composition (GC of FAMES)

< C 16	Ph. Eur. [2.4.22]	%	max. 0,3
16:0 palmitic acid	Ph. Eur. [2.4.22]	%	4,0 - 10,0
18:0 stearic acid	Ph. Eur. [2.4.22]	%	1,0 - 4,0
18:1 oleic acid	Ph. Eur. [2.4.22]	%	5,0 - 12,0
18:2 linoleic acid	Ph. Eur. [2.4.22]	%	65,0 - 85,0
18:3 gamma linolenic acid	Ph. Eur. [2.4.22]	%	7,0 - 14,0
18:3 alpha linolenic acid	Ph. Eur. [2.4.22]	%	max. 1,0

Storage:

Keep in well closed, well filled containers or under inert gas, protect from light, cool and dry.

Residual Solvents:

It complies with the guideline CPMP/ICH/283/95 and CPMP/ICH/1940/00 corr. (residual solvents)

Date: 27.01.11



Vegetarian & Vegan Suitability Statement

PRODUCT NAME: Evening Primrose Organic Oil

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.

12/04/18