



CERTIFICATE OF ANALYSIS

Batch number: 4408304

Name: EVENING PRIMROSE OIL CRD ORGANIC

Best Before Date: September 2022

TESTS	METHOD	MIN.	MAX.	RESULT	UNIT
Peroxide Value (Meq O/kg)	SGS Method	2.00	20.00	13.10	
Free Fatty Acid % (Oleic acid)	SGS Method	0	4.0	0.3	
Fatty Acid profile	SGS Method			Passed	
Palmitic Acid (16:0)	SGS Method	5.0	9.0	6.3	%
Stearic Acid (18:0)	SGS Method	1.0	3.0	1.8	%
Oleic Acid (18:1)	SGS Method	5.0	12.0	6.2	
Linoleic Acid (18:2)	SGS Method	68.0	78.0	74.9	%
Gamma Linolenic Acid (18:3)	SGS Method	8.0	13.0	8.6	%
Acid Value (mg KOH/g)	SGS Method	0	8.00	0.56	
Density @ 20 deg/C	SGS Method	0.919	0.929	0.923	g/cm3
Refractive Index at 20 Deg C:	SGS Method	1.4730	1.4830	1.4791	
Iodine Value	SGS Method	147.0	167.0	161.4	
Saponification Value	SGS Method	180.0	200.0	189.9	
PHYS STATE - VISCOUS LIQ WAXES POSSIBLE	SGS Method			Passed	
COLOUR - YELLOW/GREEN	SGS Method			Passed	
Organoleptic Assessment (ORGANO)	SGS Method			Passed	

The specifications mentioned above have to be considered as technical information. However, since Madar Corporation Limited as a material supplier is unable to exercise any control over the use of the products, including designing, testing, specifying a compound or product incorporating any of the products, is the sole responsibility of the buyer who shall assume any consequences thereof, whether direct or indirect, and whatsoever its nature, and the seller makes no warranties in respect thereof.

Above information does not release the customer from making their own controls upon receipt of the product.

PRODUCT INFORMATION SHEET

PRODUCT NAME	EVENING PRIMROSE OIL CRD ORGANIC
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REGULATORY INFORMATION

BOTANICAL NAME	<i>Oenothera biennis</i>
INCI NAME	OENOTHERA BIENNIS OIL
CAS NUMBER	90028-66-3
EINECS NUMBER	289-859-2
REACH STATUS	EXEMPT - ANNEX V (SUPPLIER GUIDANCE)
COUNTRY OF MANUFACTURE	UK
PRODUCTION METHOD	COLD PRESSING
SUITABLE FOR FRAGRANCE / COSMETIC USE	YES
SUITABLE FOR VEGAN	YES
SUITABLE FOR VEGETARIAN	YES

INGREDIENT AND OTHER INFORMATION

INGREDIENT GRADE/QUALITY	100% Pure & Natural
GMO LABELLING IN ACCORDANCE WITH REGULATIONS (EC) 1829/2003 and (EC) 1830/2003	<p>According to the publication of these regulations, this product:</p> <ul style="list-style-type: none"> - Is not a GMO - Does NOT derived from GMO - Does NOT contain GMO - Does NOT use GMO in the production and manufacturing processes. <p>All reasonable steps have been taken to avoid contamination from GMOs or their derivatives.</p>
RESIDUAL SOLVENT (AS DEFINED UNDER DIRECTIVE 2009/32/EC)	This product does NOT use or contain any residual solvents.
COMPLIANCE TO COSMETIC REGULATION (EC) 1223/2009	This product complies with the requirements of Regulation 1223/2009 for cosmetic products.
COMPLIANCE TO IFRA	This product is not listed and/or contains substances currently listed in the



	International Fragrance Association IFRA Standard 48th amendment on regulated substances, nor are these intentionally added.
COSMETIC ALLERGENS	This product does not contain any of the 26 fragrance allergens subject to special labelling requirements introduced into Annex III of the Cosmetics Directive (EC) 1223/2009 by the 7th amendment (2003/15/EC).
CMR COMPONENTS PRESENT AT GREATER THAN 0.01%	None
NANOMATERIAL	This product does NOT contain any nanoparticles or subject to any nanotechnology.
ANIMAL TESTING	This product complies with Art.18 of Regulation (EC) 1223/2009 on cosmetic products concerning the ban on animal testing for purposes of compliance with that regulation.
BSE/TSE	This product is NOT manufactured or contains any raw materials produced from or substances derived from animal origin.
KOSHER STATUS	This product is Kosher certified. Certificate is available upon request.
HALAL STATUS	This product is produced in accordance with Halal standards. Compliance statement is available upon request.

*The information contained herein is based on the present state of our knowledge.
The validity of this document is one year from the issue date.*

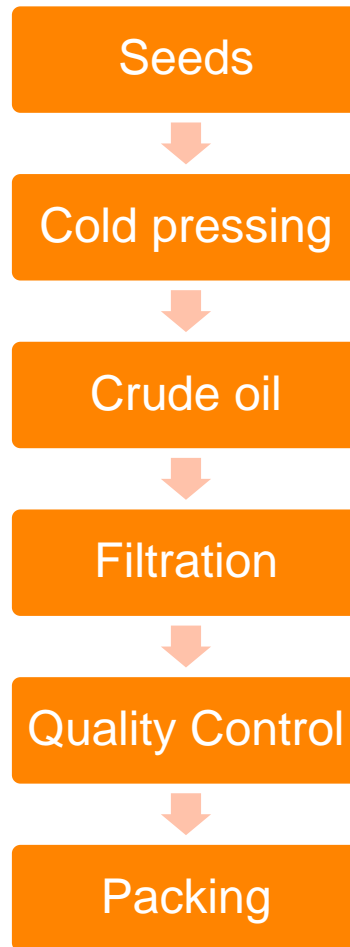
*Customers are reminded that safety data sheets and other product information including instructions, recommendations and suggestions as to the suitability of the products for any particular purpose or for use under any specific conditions or the safety of the product are based on our current state of knowledge only. Any information provided is presented to the Customer as accurately as possible and in good faith but is not guaranteed.
The Customer is responsible for determining whether products and the information in this document are appropriate for Customer's use and for the adherence to the legal and regulatory environment and constraints within which the Customer operates in.*



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Production Flow Chart

Product: Evening Primrose Oil CRD Organic



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Customers are reminded that safety data sheets and other product information including instructions, recommendations and suggestions as to the suitability of the products for any particular purpose or for use under any specific conditions or the safety of the product are based on our current state of knowledge only. Any information provided is presented to the Customer as accurately as possible and in good faith but is not guaranteed.

The Customer is responsible for determining whether products and the information in this document are appropriate for Customer's use and for the adherence to the legal and regulatory environment and constraints within which the Customer operates in.

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SAFETY DATA SHEET
EVENING PRIMROSE, OENOTHERA BIENNIS, EXT

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

1.1. Product identifier

Product name EVENING PRIMROSE, OENOTHERA BIENNIS, EXT
Synonyms; trade names ORGANIC EVENING PRIMROSE OIL CRUDE
CAS number 90028-66-3

EC number 289-859-2

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

Identified uses Cosmetics

1.3. Details of the supplier of the safety data sheet

Supplier Madar Corporation Limited
 19 - 20 Sandleheath Industrial Estate
 Fordingbridge
 SP6 1PA

+44 1425655 555
 technical@madarcorporation.co.uk

1.4. Emergency telephone number

Emergency telephone +44 1425 655 555

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified
Health hazards Not Classified
Environmental hazards Not Classified

2.2. Label elements

EC number 289-859-2
Hazard statements NC Not Classified

2.3. Other hazards

This substance is not classified as PBT or vPvB according to current EU criteria.

SECTION 3: Composition/information on ingredients

3.1. Substances BiOrigins, 19-20 Sandleheath Industrial Estate, Fordingbridge, Hampshire, SP6 1PA, UK
 Tel: 01425 655555 Email: technical@madarcorporation.co.uk
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EVENING PRIMROSE, OENOTHERA BIENNIS, EXT

Product name	EVENING PRIMROSE, OENOTHERA BIENNIS, EXT
CAS number	90028-66-3
EC number	289-859-2
Composition comments	The data shown are in accordance with the latest EC Directives.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Rinse nose and mouth with water. Get medical attention if any discomfort continues.
Ingestion	Do not induce vomiting. Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention if any discomfort continues.
Skin contact	Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing.
Eye contact	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.

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

Eye contact	May cause temporary eye irritation.
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4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor	Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products	Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.
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5.3. Advice for firefighters

Special protective equipment for firefighters	Use protective equipment appropriate for surrounding materials.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Follow precautions for safe handling described in this safety data sheet. Avoid inhalation of vapours and contact with skin and eyes. Provide adequate ventilation.
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6.2. Environmental precautions

Environmental precautions	Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.
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6.3. Methods and materials for containment and cleaning up

Pl: Office 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, 140, 150, 160, 170, 180, 190, 200, 210, 220, 230, 240, 250, 260, 270, 280, 290, 300, 310, 320, 330, 340, 350, 360, 370, 380, 390, 400, 410, 420, 430, 440, 450, 460, 470, 480, 490, 500, 510, 520, 530, 540, 550, 560, 570, 580, 590, 600, 610, 620, 630, 640, 650, 660, 670, 680, 690, 700, 710, 720, 730, 740, 750, 760, 770, 780, 790, 800, 810, 820, 830, 840, 850, 860, 870, 880, 890, 900, 910, 920, 930, 940, 950, 960, 970, 980, 990, 1000
 Estate, Fordingbridge, Hampshire, SP6 1PA, UK
 Tel: 01425 655555 Email: technical@madarcorporation.co.uk

EVENING PRIMROSE, OENOTHERA BIENNIS, EXT

Methods for cleaning up Absorb spillage with non-combustible, absorbent material. Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13. Flush contaminated area with plenty of water.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid spilling. Avoid contact with skin and eyes. Provide adequate ventilation.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

8.2. Exposure controls

Protective equipment



Appropriate engineering controls Provide adequate ventilation.

Eye/face protection Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses. Personal protective equipment for eye and face protection should comply with European Standard EN166.

Hand protection The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. To protect hands from chemicals, gloves should comply with European Standard EN374.

Other skin and body protection Wear suitable protective clothing as protection against splashing or contamination.

Hygiene measures Wash at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke.

Respiratory protection No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs. EN 136/140/141/145/143/149

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance Liquid.

Colour Green-yellow.
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EVENING PRIMROSE, OENOTHERA BIENNIS, EXT

Odour threshold	No information available.
pH	No information available.
Melting point	No information available.
Initial boiling point and range	No information available.
Flash point	180°C
Evaporation rate	No information available.
Evaporation factor	No information available.
Flammability (solid, gas)	No information available.
Upper/lower flammability or explosive limits	No information available.
Other flammability	No information available.
Vapour pressure	No information available.
Vapour density	No information available.
Relative density	0.924 @ 20°C
Bulk density	No information available.
Solubility(ies)	No information available.
Partition coefficient	No information available.
Auto-ignition temperature	No information available.
Decomposition Temperature	No information available.
Viscosity	No information available.
Explosive properties	No information available.
Explosive under the influence of a flame	No information available.
Oxidising properties	No information available.
<u>9.2. Other information</u>	
Other information	Not determined.
Refractive index	No information available.
Particle size	No information available.
Molecular weight	No information available.
Volatility	No information available.
Saturation concentration	No information available.
Critical temperature	No information available.
Volatile organic compound	No information available.

SECTION 10: Stability and reactivity**10.1. Reactivity****Reactivity**

There are no known reactivity hazards associated with this product.
 BiOrigins, 19-20 Sandheath Industrial Estate, Fordingbridge, Hampshire, SP8 1PA, UK
 Tel: 01425 655555 Email: technical@madarcorporation.co.uk

EVENING PRIMROSE, OENOTHERA BIENNIS, EXT

10.2. Chemical stability

Stability Stable at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Not determined.

10.4. Conditions to avoid

Conditions to avoid Avoid excessive heat for prolonged periods of time.

10.5. Incompatible materials

Materials to avoid Not determined.

10.6. Hazardous decomposition products

Hazardous decomposition products Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Skin corrosion/irritation

Skin corrosion/irritation No information available.

Serious eye damage/irritation

Serious eye damage/irritation No information available.

Respiratory sensitisation

Respiratory sensitisation No information available.

Skin sensitisation

Skin sensitisation No information available.

Germ cell mutagenicity

Genotoxicity - in vitro No information available.

Carcinogenicity

Carcinogenicity No information available.

Reproductive toxicity

Reproductive toxicity - fertility No information available.

Specific target organ toxicity - single exposure

STOT - single exposure No information available.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure No information available.

Aspiration hazard

Aspiration hazard No information available.

Inhalation May cause respiratory irritation.

Ingestion Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract.

Skin contact May be slightly irritating to skin.

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Eye contact May cause temporary eye irritation.

SECTION 12: Ecological Information

Ecotoxicity The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

12.1. Toxicity

Toxicity Not considered toxic to fish.

12.2. Persistence and degradability

Persistence and degradability There are no data on the degradability of this product.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient No information available.

12.4. Mobility in soil

Mobility Not determined.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

12.6. Other adverse effects

Other adverse effects Not determined.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Do not puncture or incinerate, even when empty. Waste should be treated as controlled waste.

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

EVENING PRIMROSE, OENOTHERA BIENNIS, EXT

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78
and the IBC Code

SECTION 15: Regulatory information

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

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) (as amended).
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 (as amended).
Commission Regulation (EU) No 2015/830 of 28 May 2015.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

EVENING PRIMROSE, OENOTHERA BIENNIS, EXT

Abbreviations and acronyms used in the safety data sheet	<p>ATE: Acute Toxicity Estimate.</p> <p>ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.</p> <p>ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.</p> <p>CAS: Chemical Abstracts Service.</p> <p>DNEL: Derived No Effect Level.</p> <p>IATA: International Air Transport Association.</p> <p>IMDG: International Maritime Dangerous Goods.</p> <p>Kow: Octanol-water partition coefficient.</p> <p>LC₅₀: Lethal Concentration to 50 % of a test population.</p> <p>LD₅₀: Lethal Dose to 50% of a test population (Median Lethal Dose).</p> <p>PBT: Persistent, Bioaccumulative and Toxic substance.</p> <p>PNEC: Predicted No Effect Concentration.</p> <p>REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.</p> <p>RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.</p> <p>vPvB: Very Persistent and Very Bioaccumulative.</p> <p>IARC: International Agency for Research on Cancer.</p> <p>MARPOL 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978.</p> <p>cATpE: Converted Acute Toxicity Point Estimate.</p> <p>BCF: Bioconcentration Factor.</p> <p>BOD: Biochemical Oxygen Demand.</p> <p>EC₅₀: 50% of maximal Effective Concentration.</p> <p>LOAEC: Lowest Observed Adverse Effect Concentration.</p> <p>LOAEL: Lowest Observed Adverse Effect Level.</p> <p>NOAEC: No Observed Adverse Effect Concentration.</p> <p>NOAEL: No Observed Adverse Effect Level.</p> <p>NOEC: No Observed Effect Concentration.</p> <p>LOEC: Lowest Observed Effect Concentration.</p> <p>DMEL: Derived Minimal Effect Level.</p> <p>EL50: Exposure Limit 50</p> <p>hPa: Hectopascal</p> <p>LL50: Lethal Loading fifty</p> <p>OECD: Organisation for Economic Co-operation and Development</p> <p>POW: Octanol-water partition coefficient</p> <p>SCBA: self-contained breathing apparatus</p> <p>STP: Sewage Treatment Plant</p> <p>VOC: Volatile Organic Compounds</p>
Classification abbreviations and acronyms	<p>Acute Tox. = Acute toxicity</p> <p>Aquatic Acute = Hazardous to the aquatic environment (acute)</p> <p>Aquatic Chronic = Hazardous to the aquatic environment (chronic)</p>
Key literature references and sources for data	Supplier's information.
Revision comments	NOTE: Lines within the margin indicate significant changes from the previous revision.
Revision date	29/08/2018
Version number	1.000
SDS number	55559
SDS status	<p>BiOrigins, 19-20 Sandleheath Industrial Estate, Fordingbridge, Hampshire, SP6 1PA, UK</p> <p>Appointed 1425 655555 Email: technical@madarcorporation.co.uk</p>



EVENING PRIMROSE OIL CRUDE ORGANIC

NOVEMBER 2018

INCI Name: OENOTHERA BIENNIS OIL

<u>Test</u>	<u>Specification</u>
Physical State	Viscous liquid-waxes possible
Colour	Yellow - green
Peroxide Value (Meq/kg)	2.00 - 20.00
Free Fatty Acid % (Oleic acid)	Maximum 4
Fatty Acid profile	PASS
Palmitic Acid (16:0) (%)	5.0 - 9.0
Stearic Acid (18:0) (%)	1.0 - 3.0
Oleic Acid (18:1) (%)	5.0 - 12.0
Linoleic Acid (18:2) (%)	68.0 - 78.0
Gamma Linolenic Acid (18.3)(%)	8.0 - 13.0
Acid Value (mg KOH/g)	Maximum 8
Density @ 20 deg/C (g/ml)	0.919 - 0.929
Refractive Index at 20°C	1.4730 - 1.4830
Iodine Value	147.0 - 167.0
Saponification Value	180.0 - 200.0

Conforms to the EU Cosmetic Regulation (EC 1223/2009) & Current IFRA Standard (48th Amendment)

Revision 00