



## Certificate of Analysis

<b>Product Description:</b>	<b>Camelina Seed Oil, CP</b>	<b>INCI Name:</b>	<b>Camelina Sativa Seed Oil</b>
<b>EINECS Number:</b>	<b>Not Listed</b>	<b>CAS Number:</b>	<b>Not Listed</b>
<b>Batch Number:</b>	<b>4304507</b>	<b>Best Before End:</b>	<b>November 2019</b>

Analytical Details	Result
Appearance	Yellow to amber mobile liquid
Odour	Characteristic
Specific Gravity @ 20°C	0.912
Refractive Index @ 20°C	1.479
Free Fatty Acid	1.23
Peroxide Value MeqO <sub>2</sub> /kg	0.70

Palmitic Acid	C16:0	5.1
Stearic Acid	C18:0	2.4
Oleic Acid	C18:1	15.3
Linoleic Acid	C18:2	16.8
Alpha Linolenic Acid	C18:3	36.6
Arachidic Acid	C20:0	1.1



## Allergen Statement

### Camelina Seed Oil

INCI Name: Camelina Sativa Seed Oil

We confirm to the best of our knowledge that the Camelina Seed Oil, CP supplied by Madar Corporation on I00206 contains no allergens.

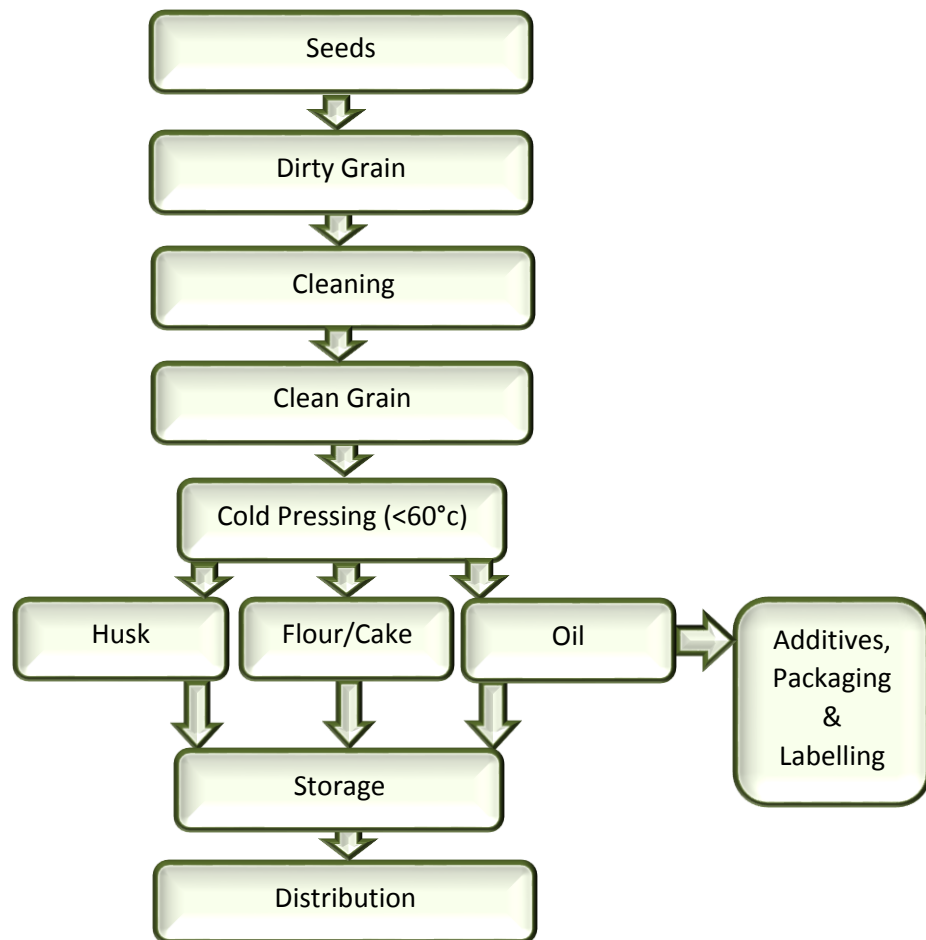
From The 7th Amendment to the Cosmetic Directive of the European Union (EU) – Annex III 26  
Fragrance Allergens

<u>Annex III Ref:</u>	<u>Material:</u>	<u>CAS No:</u>	<u>Total Allergen Inclusion Level (%)</u>
67	AMYL CINNAMAL	122-40-7	0
68	BENZYL ALCOHOL	100-51-6	0
69	CINNAMYL ALCOHOL	104-54-1	0
70	CITRAL	5392-40-5	0
71	EUGENOL	97-53-0	0
72	HYDROXY-CITRONELLAL	107-75-5	0
73	ISOEUGENOL	97-54-1	0
74	AMYL CINNAMYL ALCOHOL	101-85-9	0
75	BENZYL SALICYLATE	118-58-1	0
76	CINNAMAL	104-55-2	0
77	COUMARIN	91-64-5	0
78	GERANIOL	106-24-1	0
79	HYDROXY-METHYLPENTYL CYCLOHEXENECARBOXALDEHYDE	31906-04-4	0
80	ANISE ALCOHOL	105-13-5	0
81	BENZYL CINNAMATE	103-41-3	0
82	FARNESOL	4602-84-0	0
83	BUTYLPHENYL METHYLPROPIONAL	80-54-6	0
84	LINALOOL	78-70-6	0
85	BENZYL BENZOATE	120-51-4	0
86	CITRONELLOL	106-22-9	0
87	HEXYL CINNAM-ALDEHYDE	101-86-0	0
88	LIMONENE	5989-27-5	0
89	METHYL HEPTIN CARBONATE	111-12-6	0
90	ALPHA-ISOMETHYL IONONE	127-51-5	0
91	EVERNIA PRUNASTRI EXTRACT	90028-68-5	0
92	EVERNIA FURFURACEA EXTRACT	90028-67-4	0



## Camelina Oil

### Manufacturing Flow Chart





## IFRA Conformity Certificate

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<b>Internal Code</b>	<b>I00206</b>
<b>Product Name</b>	Camelina Seed Oil, CP
<b>INCI</b>	Camelina Sativa Seed Oil
<b>CAS Number</b>	N/A
<b>EINECS Number</b>	N/A

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### Product Statement

We hereby certify that the above named product does not include any of the components listed in the 48th Amendment of the IFRA Code of Practice. Therefore its use is not restricted.

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It is the ultimate responsibility of the customer to ensure the safety of the intended final product containing this material, by carrying out additional tests if necessary.

#### DISCLAIMER:

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.



# Material Safety Data Sheet

According to EU Regulation 1907/2006

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

### 1.1 Product Identifier

Product Name	Camelina Sativa Oil, CP				
Biological Definition	Camelina Sativa Seed Oil is a fixed oil expressed from the seeds of the Gold of Pleasure, Camelina Sativa (L.), Brassicaceae				
INCI Name	Camellia Sativa Seed Oil				
Synonyms & Trade Names	--				
Internal Product Code	I00206				
CAS-No	N/A	EC No.	N/A	EINECS No.	N/A

### 1.2 Details of the supplier of the safety data sheet

Company Identification	Madar Corporation 19-20 Sandleheath Industrial Estate, Fordingbridge, Hampshire, SP6 1PA, UK Tel: 01425 655555 Email: sales@madarcorporation.co.uk				
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## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Classification (67/548/EEC)	Not classed as a hazardous substance
Classification (EU 1272/2008)	Not classed as a hazardous substance

### 2.2 Label elements

Label in accordance with Regulation (EC) No 1272/2008

GHS Label:	None
Signal word:	None
Contains	None
Hazard Statements:	None
Precautionary Statements:	None
Supplementary Precautionary Statements:	None

### 2.3 Other hazards

Adverse physio-chemical properties	None
Adverse effects on human health	None

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

100% Camellia Oleifera Seed Oil  
C18:1 Oleic Acid 75.0 - 87.0 %  
C18:2 Linoleic Acid ≤ 15.0%

### 3.2 Mixtures

EU INCI	US INCI
N/A	N/A



#### SECTION 4: First aid measures

##### 4.1 Description of first aid measures

General Information	Not Hazardous
Inhalation	Remove affected person to fresh air. Seek medical attention if any discomfort continues.
Ingestion	Do not induce vomiting. Seek medical attention.
Skin Contact	Remove contaminated clothing. Wash skin with soap and water. Seek 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. Seek medical attention if irritation continues.

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

N/A

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

N/A

#### SECTION 5: Fire fighting measures

##### 5.1 Extinguishing Media

Use CO<sub>2</sub>, Dry Powder or Foam type extinguishers.

##### 5.2 Special hazards arising from the substance or mixture.

This product is made up of inflammable material with low risk. The product may only form ignitable mixtures or burn only upon heating above the flash point. Dangerous combustion residues: smoke, carbon monoxide, carbon dioxide.

##### 5.3 Advice for fire-fighters

No additional data available.

#### SECTION 6: Accidental release measures

##### 6.1 Personal precautions

Wash residue with soap and water.

##### 6.2 Environmental precautions

Keep out of storm sewer and natural water ways.

##### 6.3 Methods and material for containment and cleaning up

Absorb with non-combustible absorbent.

##### 6.4 References to other sections.

Please refer to *Section 8 - Exposure controls/personal protection* for further information on personal precautions  
Please refer to *Section 13 - Disposal Considerations* for further information on waste treatment.

## SECTION 7: Handling and Storage

### 7.1 Precautions for safe handling

Keep containers leak proof closed and dry. Protect against sun/light. Prevent spills and leakages to avoid slip hazard.

### 7.2 Conditions for safe storage, including any incompatibilities

Intrusion into soil to be avoided. Store the product in cool (max. at room temperature) and well-ventilated environment and keep away from sources of ignition. Provide suitable mechanical equipment for the safe handling of drums and heavy packages. Electrical equipment and fittings must comply with local regulations.

### 7.3 Specific end use(s)



N/A

## SECTION 8: Exposure controls/personal protection

### 8.1 Control Parameters

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

### 8.2 Exposure Controls

Eye protection		The use of safety glasses is recommended. Eye wash station should be available at all times.
Hand protection		No special measures required
Respiratory Equipment	Ensure area is well ventilated.	
Hygiene Measures	Good personal hygiene practices are always advisable, especially when working with chemicals / oils.	
Engineering Measures	Efferent mechanical exhaust system recommended	

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance	Mobile liquid
Colour	Dark amber to yellow mobile liquid
Odour	Strong natural vegetable odour
Relative Density	0.920 - 0.950 @ 20°C
Flash Point (°C)	>100
Refractive Index	1.470 – 1.480 @ 20°C
Melting Point (°C)	No additional data available.
Boiling Point (°C)	>350
Vapour Pressure	No additional data available.
Solubility in Water @20°C	Insoluble in water. Soluble in oil and alcohol.
Auto-ignition temperature (°C)	No additional data available.

### 9.2 Other information

N/A



## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No significant reactivity hazard under proper handling.

### 10.2 Chemical stability

Chemically stable under the recommended handling and storage conditions.

### 10.3 Possibility of hazardous reactions

Reacts with oxidants. Combustible liquid.

### 10.4 Conditions to avoid

Avoid heat, flames, sunlight and other sources of ignition.

### 10.5 Incompatible materials

Avoid contact with strong oxidising agents

### 10.6 Hazardous decomposition products

Product does not decompose at proper handling. Hazardous polymerisation will not occur. Combustion produces; smoke, carbon monoxide and carbon dioxide.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects.

Acute toxicity:	No additional data available
Skin corrosion / irritation:	Hot oil will cause adverse skin affects. Prevent by normal care and personal hygiene.
Serious eye damage/irritation:	May irritate eyes.
Respiratory or skin sensitisation:	If ingested, low order toxicity may cause irritation of the stomach and intestines which results in nausea and vomiting.
Germ cell mutagenicity:	No additional data available
Carcinogenicity:	No components are listed as a carcinogen.
Reproductive toxicity:	No adverse effects on reproduction are known.
STOT-single exposure:	No additional data available
STOT-repeated exposure:	No additional data available
Aspiration hazard:	No additional data available
Other information:	No additional data available





**SECTION 12:** Ecological information

**12.1 Toxicity**

Very toxic to aquatic life. May cause adverse effects to aquatic environments.

**12.2 Persistence and degradability**

No data available.

**12.3 Bio-accumulative potential**

No data available.

**12.4 Mobility in soil**

No data available.

**12.5 Results of PBT and VPVB assessment**

No data available.

**12.6 Other adverse effects**

N/A

**SECTION 13:** Disposal considerations

**13.1 Waste Treatment Methods**

Do not release into the environment. Collect waste into suitable containers and contact hazardous chemical disposal company.

**SECTION 14:** Transport information

Warning Icon	Not registered as hazardous
Proper Shipping Name	N/A
UN No. Road	N/A
ADR Class	N/A
Hazard No (ADR)	N/A
Hazchem Code	N/A
UN No. SEA	N/A
IMDG Class	N/A
IMDG Pack Gr.	N/A
EMS	N/A
UN No. AIR	N/A
Air Class	N/A
Air Pack Gr.	N/A

**SECTION 15: Regulatory information**

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

EU Directives	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 <sup>th</sup> Dec 2006 Concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 199/45/EC and repealing Council Regulation Council Regulation (EEC) No793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, and 93/105/EEC and 2000/21/EC including amendments.
Statutory Instruments	The Chemicals (Hazard Information and Packaging for Supply Regulations 2009 (S.I. 2009 No 716).
Approved Code of Practice	Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations
Guidance Notes	Workplace Exposure Limits EH40. CHIP for everyone HSG 108.

**15.2 Chemical safety assessment**

An assessment has not been executed as this is not a hazardous material according to article 31 of REACH 1907/2006.

**SECTION 16: Other information**

Training instructions: Refer to possible hazard before use of this product.

**Abbreviations and acronyms:**

MSDS	Material Safety Data Sheet
INCI	International Nomenclature of Cosmetic Ingredients
CAS	Chemical Abstract Service
IMDG	International Maritime Code for Dangerous Goods
ADR	Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID	International Carriage of Dangerous Goods by Rail
ICAO	International Civil Aviation Organization
ADN	International Carriage of Dangerous Goods by Inland Waterways
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
Trem Card	Transport Emergency Card
STOT	Specific Target Organ Toxicity
N/A	Not Available

Complies with REACH guidance for SDS as circulated by ECHA 2011.

**Disclaimer**

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## MATERIAL SPECIFICATION

### Camelina Seed Oil

**Inci Name:** Camelina Sativa Seed Oil

**Cas No:** N/A

**Einecs No:** N/A

<b>ANALYTICAL DETAILS</b>	<b>RANGE</b>
APPEARANCE	Dark amber to yellow mobile liquid
ODOUR	Strong natural vegetable odour
REFRACTIVE INDEX @ 20°C	1.470 – 1.480
SPECIFIC GRAVITY @ 20°C	0.920 – 0.950
FREE FATTY ACID (% AS OLEIC)	≤ 5.0
PEROXIDE VALUE (Meq / kg)	≤ 5.0
ACID VALUE	≤ 10.0

Best Before: 24 Months from the date of manufacture



**Date:** 10/01/2019

**Re: Vegan – Camelina CP Oil**

We can confirm that the Camelina CP Oil supplied by the MADAR Corporation Limited is suitable for Vegans.