



**CERTIFICATE OF ANALYSIS**  
**ORGANIC CANOLA OIL**

Batch Number: 4530005  
Best Before End: January 2026

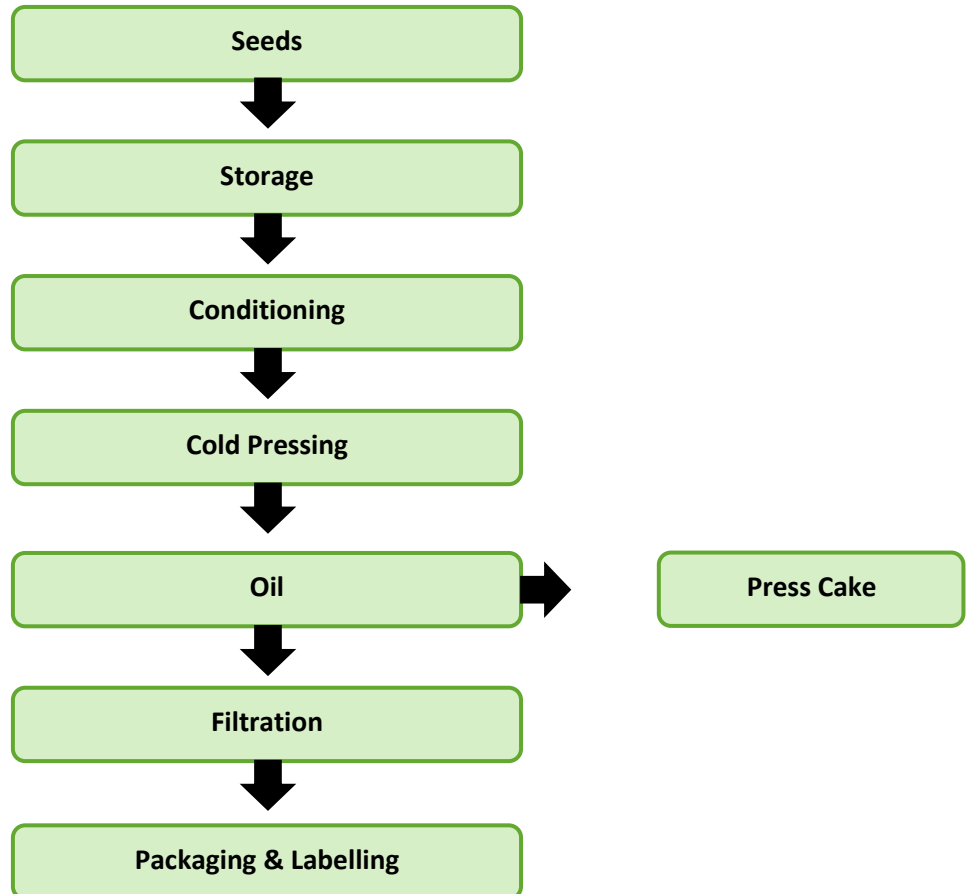
**Appearance:** A very pale yellow, clear oily liquid  
**Odour/Taste:** Neutral

TEST	SPECIFICATION	ANALYSIS
Acid Value	4.0 maximum	1.0
Free Fatty Acid (% as oleic)	2.0 maximum	0.5
Peroxide Value (meq/kg)	10.0 maximum	6.7
Iodine Value	108 - 124	Complies
Refractive Index @ 20°C	1.469 – 1.475	1.474
Relative Density @ 20°C	0.910 – 0.923	0.918

FATTY ACID COMPOSITION (%)		
C16:0 Palmitic	1.5 – 6.0	3.8
C16:1 Palmitoleic	3.0 maximum	0.2
C18:0 Stearic	0.5 – 3.0	1.7
C18:1 Oleic	52.0 – 67.0	62.6
C18:2 Linoleic	16.0 – 30.0	18.3
C18:3 Alpha Linolenic	6.0 – 15.0	9.3

# biOrigins

<b>PRODUCT</b>	Organic Canola Oil
	<b>DATE</b> 27/04/2022



<b>01. IDENTIFICATION OF THE SUBSTANCE/PREPARATION &amp; THE COMPANY/UNDERTAKING</b>	
<b>1.1</b>	<b>PRODUCT IDENTIFIER</b>
	<b>PRODUCT NAME</b> Organic Canola Oil
	<b>INCI NAME</b> Brassica Campestris Seed Oil
	<b>CAS</b> 8002-13-9 90989-79-0
	<b>EC</b> 232-299-0 292-737-1
<b>1.2</b>	<b>RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE, AND USES ADVISED AGAINST</b>
	No additional data
<b>1.3</b>	<b>DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET</b>
	<b>COMPANY ADDRESS</b> Madar Corporation Limited 19 - 20 Sandealth Industrial Estate, Fordingbridge, SP6 1PA
	<b>EMAIL ADDRESS</b> technical@madarcorporation.co.uk
<b>1.4</b>	<b>EMERGENCY TELEPHONE NUMBER</b> + 44 (0) 1425 655 555

<b>02. HAZARDS IDENTIFICATION</b>	
<b>2.1</b>	<b>CLASSIFICATION OF THE SUBSTANCE OR MIXTURE</b>
	<b>CLASSIFICATION (EC 1272/2008)</b>
	Not classified as hazardous.
<b>2.2</b>	<b>LABEL ELEMENTS</b>
	<b>LABEL IN ACCORDANCE WITH (EC) NO 1272/2008</b>
	None
	<b>SIGNAL WORD</b> None
	<b>HAZARD STATEMENTS</b>
	None
	<b>PRECAUTIONARY STATEMENTS AND/OR SUPPLEMENTARY STATEMENTS</b>
	None
	<b>SUPPLEMENTARY STATEMENTS</b>
	None
<b>2.3</b>	<b>OTHER HAZARDS</b>
	<b>ADVERSE EFFECTS ON HUMAN HEALTH</b> No additional data
	<b>ADVERSE PHYSIO-CHEMICAL PROPERTIES</b> No additional data

### **03. COMPOSITION/INFORMATION ON INGREDIENTS**



<b>3.1/3.2</b>	<b>SUBSTANCES/MIXTURES</b>
	100.0% Brassica Campestris Seed Oil CAS: 8002-13-9/90989-79-0 Classification: - Not classified as hazardous.

<b>04. FIRST AID MEASURES</b>	
<b>4.1</b>	<b>DESCRIPTION OF FIRST AID MEASURES</b>
<b>INHALATION</b>	Remove to fresh air and remain in a position which is comfortable for breathing. Seek medical attention.
<b>INGESTION</b>	Do NOT induce vomiting. Observe risk of aspiration if vomiting does occur. Ingestion may cause nausea and vomiting. Immediately rinse mouth and provide fresh air. Seek medical attention.
<b>SKIN CONTACT</b>	Remove contaminated clothing and wash before reuse. Wash skin thoroughly with soap and water. If discomfort occurs/continues, seek medical attention.
<b>EYE CONTACT</b>	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.
<b>4.2</b>	<b>MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED</b>
	No additional data
<b>4.3</b>	<b>INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED</b>
	Treat symptomatically.

<b>05. FIREFIGHTING MEASURES</b>	
<b>5.1</b>	<b>EXTINGUISHING METHODS</b>
	<ul style="list-style-type: none"> <li>- Carbon Dioxide</li> <li>- Alcohol Resistant Foam</li> <li>- Dry Chemical Powder</li> </ul> Do NOT use water.
<b>5.2</b>	<b>HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE</b>
	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.
<b>5.3</b>	<b>ADVICE FOR FIREFIGHTERS</b>
	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.




<b>06. ACCIDENTAL RELEASE MEASURES</b>	
<b>6.1</b>	<b>PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES</b>
	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. Collect contaminated fire extinguishing media separately, do not allow to enter/remain in the environment.
<b>6.2</b>	<b>ENVIROMENTAL PRECAUTIONS</b>
	Do not allow the product to enter drains or sewers, water course or the ground. Do not allow the product to enter the environment.
<b>6.3</b>	<b>METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP THIS PRODUCT</b>
	Cover drains. Absorb with liquid-binding material (e.g., sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in this document.
<b>6.4</b>	<b>REFERENCE TO OTHER SECTIONS</b>
	Section 13

## **07. EXPOSURE CONTROLS AND/OR PERSONAL PROTECTION**

<b>7.1</b>	<b>PRECAUTIONS FOR SAFE HANDLING</b>
	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. Special danger of slipping by leaking/spilling product.
<b>7.2</b>	<b>CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES</b>
	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. Do not store with oxidising agents. Keep storage are between 10.0 - 30.0°C.
<b>7.3</b>	<b>SPECIFIC END USE(S)</b>
	No additional data

## **08. EXPOSURE CONTROLS**

<b>8.1</b>	<b>CONTROL PARAMETERS</b>
	No additional data
<b>8.2</b>	<b>EXPOSURE CONTROLS</b>
	<b>PROTECTIVE EQUIPMENT</b>
	     <p>Use all equipment as required and/or recommended for safe handling.</p>
	<b>PROCESS CONDITIONS</b> No additional data
	<b>ENGINEERING MEASURES</b> Install sufficient ventilation across all areas. Install readily available eyewash stations and safety showers.
	<b>RESPIRATORY EQUIPMENT</b> Respiratory protection required only when vapours and spray mist are present. filter: A Colour Code: brown
	<b>HAND PROTECTION</b> Wear appropriate protective chemically resistant gloves which comply with



	EN374.
<b>EYE PROTECTION</b>	Wear appropriate protective safety goggles which comply with EN166.
<b>HYGIENE MEASURES</b>	Good hygiene practices are always recommended, especially when handling oils, chemicals or any other similar type of material.
<b>SKIN PROTECTION</b>	Wear appropriate protective chemically resistant clothing at all times to prevent any potential skin contact with this product.
<b>ENVIRONMENTAL EXPOSURE CONTROLS</b>	Do not allow the product to enter drains or sewers, water course or the ground. Prevent environmental contamination.
<b>OTHER AND/OR PERSONAL PROTECTIVE MEASURES</b>	Wear anti-slip footwear.

<b>09. PHYSICAL AND CHEMICAL PROPERTIES</b>	
<b>7.1</b>	<b>INFORMATION ON BASIC PHYSICAL &amp; CHEMICAL PROPERTIES</b>
	<b>APPEARANCE (E.G. LIQUID)</b> Liquid
	<b>COLOUR</b> Yellow
	<b>ODOUR</b> Characteristic
	<b>SPECIFIC GRAVITY</b> ~0.9200 @ 20°C
	<b>REFRACTIVE INDEX</b> ~1.4725 @ 20°C
	<b>FLASH POINT (°C)</b> >130.0
	<b>IGNITION TEMPERATURE (°C)</b> >200.0
	<b>MELTING POINT (°C)</b> ca. -15 °C
	<b>BOILING POINT (°C)</b> >230.0
	<b>SOLUBILITY</b> Insoluble in water Soluble in non-polar organic solvents Partition Coefficient: >6.0
	<b>VAPOUR PRESSURE</b> No additional data
<b>9.2</b>	<b>ADDITIONAL INFORMATION</b> No additional data

<b>10. STABILITY &amp; REACTIVITY</b>	
<b>10.1</b>	<b>REACTIVITY</b>
	Expected to remain stable under recommended storage conditions.
<b>10.2</b>	<b>CHEMICAL STABILITY</b>
	Expected to remain stable under recommended storage conditions.
<b>10.3</b>	<b>POSSIBLE HAZARDOUS REACTIONS</b>
	Reacts with oxidizing agents. Fire hazard.
<b>10.4</b>	<b>CONDITIONS TO AVOID</b>
	Avoid humidity and exposure of light and air. Keep away from sources of heat and ignition. Protect from direct sunlight.
<b>10.5</b>	<b>INCOMPATIBLE MATERIALS</b>



	Oxidizing Agents
<b>10.6</b>	<b>HAZARDOUS DECOMPOSITION PRODUCTS</b>
	In the event of fire this product may generate oxides of carbon and other toxic gases/substances. Thermal Decomposition: $\geq 300.0^{\circ}\text{C}$

<b><u>11. TOXOLOGICAL INFORMATION</u></b>	
<b>11.1</b>	<b>ACUTE TOXICITY</b>
	The substance is classified as not hazardous according to regulation (EC) No 1272/2008 (CLP).
<b>11.2</b>	<b>SKIN CORROSION/IRRITATION</b>
	The substance is classified as not hazardous according to regulation (EC) No 1272/2008 (CLP).
<b>11.3</b>	<b>SERIOUS EYE DAMAGE/IRRITATION</b>
	The substance is classified as not hazardous according to regulation (EC) No 1272/2008 (CLP).
<b>11.4</b>	<b>RESPIRATORY/SKIN SENSITIZATION</b>
	The substance is classified as not hazardous according to regulation (EC) No 1272/2008 (CLP).
<b>11.5</b>	<b>GERM CELL MUTAGENICITY/CARCINOGENICITY/REPRODUCTIVE TOXICITY</b>
	The substance is classified as not hazardous according to regulation (EC) No 1272/2008 (CLP).
<b>11.6</b>	<b>STOT – SINGLE EXPOSURE</b>
	The substance is classified as not hazardous according to regulation (EC) No 1272/2008 (CLP).
<b>11.7</b>	<b>STOT – REPEATED EXPOSURE</b>
	The substance is classified as not hazardous according to regulation (EC) No 1272/2008 (CLP).
<b>11.8</b>	<b>ASPIRATION HAZARD</b>
	The substance is classified as not hazardous according to regulation (EC) No 1272/2008 (CLP).
<b>11.9</b>	<b>GENERAL AND/OR ADDITIONAL DATA; E.G. PHOTOTOXICITY</b>
	The substance is classified as not hazardous according to regulation (EC) No 1272/2008 (CLP).

<b><u>12. ECOLOGICAL AFFECTS</u></b>	
<b>12.1</b>	<b>TOXICITY</b>
	The product is not classified as ecotoxic.
<b>12.2</b>	<b>PERSISTENCE &amp; DEGRADABILITY</b>
	Expected to be biodegradable.
<b>12.3</b>	<b>BIOACCUMULATIVE POTENTIAL</b>
	No additional data
<b>12.4</b>	<b>MOBILITY IN SOIL AND/OR WATER</b>
	No additional data
<b>12.5</b>	<b>RESULTS OF A PBT/vPvB ASSESSMENT</b>
	No additional data
<b>12.6</b>	<b>OTHER ADVERSE EFFECTS</b>



	Do not release product into the environment.
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### 13. DISPOSAL CONSIDERATIONS

<b>13.1</b>	<b>WASTE TREATMENT METHODS</b>
	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

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

### 15. REGULATORY INFORMATION

<b>15.1</b>	<b>SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE</b>
	This Safety Data Sheet was prepared in accordance with EC Regulation (EC) 1907/2006 (REACH), 1272/2008 (CLP), EC 453/2010&830/2015.
<b>15.2</b>	<b>CHEMICAL SAFETY ASSESSMENT</b>
	No additional data

### 16. OTHER INFORMATION

<b>16.1</b>	<b>HAZARD STATEMENTS</b>	None
<b>16.2</b>	<b>REVISION DATE</b>	27/04/2022
<b>16.3</b>	<b>REVISION NUMBER</b>	3





<b>PRODUCT</b>	Organic Canola Oil				
<b>CODE</b>		<b>DATE</b>	27/04/2022	<b>REVISION</b>	5

<b>DESCRIPTION</b>	Brassica Campestris Seed Oil is the oil expressed from the seeds of the rapeseed (Cabbage), Brassica campestris L., Brassicaceae; Rape oil				
<b>INCI NAME</b>	Brassica Campestris Seed Oil				
<b>CAS NUMBER</b>	8002-13-9		<b>EC NUMBER</b>	232-299-0	
	90989-79-0			292-737-1	

<b>CHARACTERISTICS</b>	
<b>APPEARANCE AT ROOM TEMPERATURE</b>	Liquid
<b>COLOUR</b>	Yellow
<b>ODOUR</b>	Characteristic

<b>ANALYSIS</b>	
<b>SPECIFIC GRAVITY</b>	0.910 - 0.930 @ 20°C
<b>REFRACTIVE INDEX</b>	1.470 - 1.475 @ 20°C
<b>PEROXIDE VALUE (meq O<sub>2</sub>/kg) (AT TIME OF PRODUCTION ANALYSIS)</b>	<10.0
<b>ACID VALUE (mg KOH/g)</b>	<4.00

<b>FATTY ACID PROFILE (%)</b>		
<b>C16:0</b>	<b>Palmitic Acid</b>	1.50 - 6.00
<b>C18:0</b>	<b>Stearic Acid</b>	0.50 - 3.00
<b>C18:1</b>	<b>Oleic Acid</b>	52.0 - 67.0
<b>C18:2</b>	<b>Linoleic Acid</b>	16.0 - 30.0
<b>C18:3</b>	<b>Linolenic Acid</b>	6.00 - 15.0
<b>C22:0</b>	<b>Erucic Acid</b>	<2.00



**Product Name: Organic Canola Oil**

- Country of Origin: Germany/Lithuania
- This product does not contain and is not derived from any materials of genetically modified materials.
- This product is not known to contain any components which are carcinogenic, reprotoxic or mutagenic.
- The tariff code which we currently have on file for this product is 15141990, however we must advise that tariff codes are checked against the relevant government information/website. These codes are subject to change and may vary depending on county of import/export and intended use.
- This product is suitable for both vegetarian and vegan use.
- The product is REACH exempt, annex V (vegetable oil)

All information enclosed has been provided and confirmed by our supplier of this material.

DATE: 26/04/2022