

CERTIFICATE OF ANALYSIS ORGANIC CANOLA OIL

Batch Number: 4546111
Best Before End: June 2026

Appearance: A very pale yellow, clear oily liquid

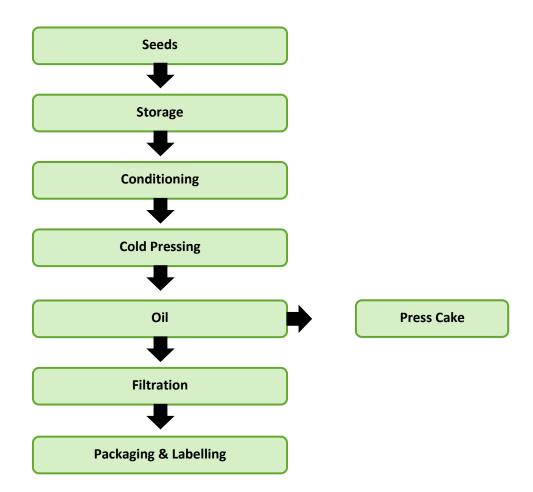
Odour/Taste: Neutral

TEST	SPECIFICATION	ANALYSIS
Acid Value	4.0 maximum	1.8
Free Fatty Acid (% as oleic)	2.0 maximum	0.9
Peroxide Value (meq/kg)	10.0 maximum	3.4
Iodine Value	108 - 124	116.0
Refractive Index @ 20°C	1.469 – 1.475	1.473
Relative Density @ 20°C	0.910 - 0.923	0.920

FATTY ACID COMPOSITION (%)		
C16:0 Palmitic	1.5 – 6.0	3.9
C16:1 Palmitoleic	3.0 maximum	0.2
C18:0 Stearic	0.5 – 3.0	1.9
C18:1 Oleic	52.0 – 67.0	56.4
C18:2 Linoleic	16.0 – 30.0	23.0
C18:3 Alpha Linolenic	6.0 – 15.0	9.5



PRODUCT	Organic Canola Oil		
		DATE	27/04/2022





01. IDEN	01. IDENTIFICATION OF THE SUBSTANCE/PREPARATION & THE COMPANY/UNDERTAKING		
1.1	PRODUCT IDENTIFIER		
	PRODUCT NAME	Organic Canola Oil	
	INCI NAME	Brassica Campestris	Seed Oil
	CAS	8002-13-9 90989-79-0	
	EC	232-299-0 292-737-1	
1.2	RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE, AND USES ADVISED AGAINST		
	No additional data		
1.3	DETAILS OF THE SUP	PLIER OF THE SAFETY I	DATA SHEET
	COMPANY Madar Corporation Limited ADDRESS 19 - 20 Sandleheath Industrial Estate, Fordingbridge, SP6 1PA		
	EMAIL ADDRESS technical@madarcorporation.co.uk		
1.4	4 EMERGENCY TELEPHONE NUMBER		+ 44 (0) 1425 655 555

02. HAZ	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 127	72/2008	
	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	
	100.0% Brassica Campestris Seed Oil	
	CAS: 8002-13-9/90989-79-0	
	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. Seel medical attention.		
	INGESTION 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 medica attention.		
	SKIN CONTACT Remove contaminated clothing and wash before reuse. Wash skin thoroughly with soap and water. If discomfort occurs/continues, seek medical attention.		
	Rinse eyes with clean water for a minimum of fifteen minutes. If safe to do so, remove contact lenses and continue to rinse. Seek medical attention.		
4.2	MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED		
	No additional data		
4.3	INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED		
	Treat symptomatically.		

<u>05. FIRE</u>	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.		

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. Collect contaminated fire extinguishing media separately, do not allow to enter/remain		
	in the environment.		
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		
	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.		
6.4	REFERENCE TO OTHER SECTIONS		
	Section 13		

07. EXP	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. Special danger of slipping by leaking/spilling 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. Do not store with oxidising agents. Keep storage are between 10.0 - 30.0°C.		
7.3	SPECIFIC END USE(S)		
	No additional data		

08. EXP	POSURE 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 Respiratory protection required only when vapours and spray mist are present filter: A Colour Code: brown		
	HAND PROTECTION	Wear appropriate protective chemically resistant gloves which comply with	



	EN374.	
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	Do not allow the product to enter drains or sewers, water course or the ground.	
CONTROLS		
OTHER AND/OR PERSONAL PROTECTIVE MEASURES	Wear anti-slip footwear.	

09. PHYSICAL AND CHEMICAL PROPERTIES		
7.1 INFORMATION ON BASIC PHYS	7.1 INFORMATION ON BASIC PHYSICAL & CHEMICAL PROPERTIES	
APPEARANCE (E.G. LIQUID)	Liquid	
COLOUR	Yellow	
ODOUR	Characteristic	
SPECIFIC GRAVITY	~0.9200 @ 20°C	
REFRACTIVE INDEX	~1.4725 @ 20°C	
FLASH POINT (°C)	>130.0	
IGNITION TEMPERATURE (°C)	>200.0	
MELTING POINT (°C)	ca15 °C	
BOILING POINT (°C)	>230.0	
SOLUBILITY	Insoluble in water Soluble in non-polar organic solvents Partition Coefficient: >6.0	
VAPOUR PRESSURE	No additional data	
9.2 ADDITIONAL INFORMATION	No additional data	

10. STA	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		
	Reacts with oxidizing agents. Fire hazard.		
10.4	CONDITIONS TO AVOID		
	Avoid humidity and exposure of light and air. Keep away from sources of heat and ignition. Protect from direct		
	sunlight.		
10.5	INCOMPATIBLE MATERIALS		



		Oxidizing Agents	
	10.6	HAZARDOUS DECOMPOSITION PRODUCTS	
Γ		In the event of fire this product may generate oxides of carbon and other toxic gases/substances.	
L		Thermal Decomposition: ≥300.0°C	

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

12. ECC	12. ECOLOGICAL AFFECTS		
12.1	TOXICITY		
	The product is not classified as ecotoxic.		
12.2	PERSISTENCE & DEGRADABILITY		
	Expected to be biodegradable.		
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		



Do not release product into the environment.

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. TRAI	14. TRANSPORT INFORMATION		
14.1	UN NUMBER	Not regulated	
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. OTH	16. OTHER INFORMATION		
16.1	HAZARD STATEMENTS	None	
16.2	REVISION DATE	27/04/2022	
16.3	REVISION NUMBER	3	



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

DESCRIPTION	Brassica Campestris Seed Oil is the oil expressed from the seeds of the rapeseed (Cabbage), Brassica campestris L., Brassicaceae; Rape oil		
INCI NAME	Brassica Campestris Seed Oil		
CAS NUMBER	FC NUMBER		232-299-0 292-737-1

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

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

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