



CERTIFICATE OF ANALYSIS

SUNFLOWER ORGANIC

Batch No.: 4343106

Best Before End: November 2020

Analysis Description	Minimum Value	Maximum Value	Result	Compliance
Appearance			Clear mobile liquid	Pass
Colour			Colourless - pale yellow	Pass
Odour			Free from rancid/foreign	Pass
Specific Gravity at 20°C	0.910	0.930	0.919	Pass
Refractive Index at 20°C	1.462	1.478	1.473	Pass
Acid Value		0.5	0.06	Pass
Iodine Value	120	140	120	Pass
Saponification Value	184	194	191	Pass
C16:0 Palmitic %	5	7.6	7.0	Pass
C16:1 Palmitoleic %		0.3	0.1	Pass
C18:0 Stearic %	2.7	6.5	5.5	Pass
C18:1 Oleic %	14	39.4	32.5	Pass
C18:2 Linoleic %	48.3	74.0	52.8	Pass
C18:3 Linolenic %		0.3	0.2	Pass
C20:0 Arachidic %		0.5	0.4	Pass
C22:0 Behenic %		1.5	1.0	Pass

Shelf life of this product depends very much on storage conditions, particularly temperature and exposure to light and air.

Expiry date must be considered as subjective; the expiry date given here is based on the best of our knowledge and experience of the material when stored under recommended conditions in original unopened containers.

Due to the natural ingredients contained in many of our products, there may be a slight batch to batch variation in the colour, odour or consistency. However, we ensure that this does not affect the quality and efficacy of the products in any way.

We hereby certify that the above material meets the required specification and is released for free sale.



DECLARATION OF ALLERGENS

DIRECTIVE 76/768/EEC (and its amendments) LIST OF ALLERGENS (Skin care)

PRODUCT	Sunflower Oil Organic
INCI NAME	Helianthus Annuus (Sunflower) Seed Oil
PRODUCT CODE	OVCSUNF

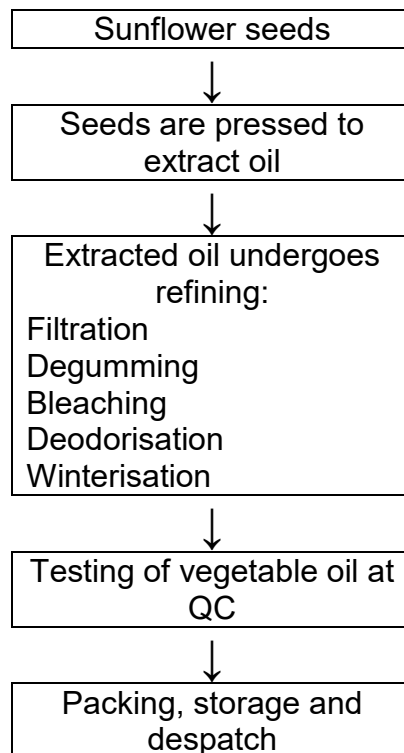
MATERIAL	CAS NUMBER	TOTAL ALLERGEN INCLUSION LEVEL (%)
AMYL CINNAMAL	122-40-7	-
BENZYL ALCOHOL	100-51-6	-
CINNAMYL ALCOHOL	104-51-6	-
CITRAL	5392-40-5	-
EUGENOL	97-53-0	-
HYDROXYCITRONELLAL	107-75-5	-
ISO EUGENOL	97-54-1	-
AMYL CINNAMYL ALCOHOL	101-85-9	-
BENZYL SALICYLATE	118-58-1	-
CINNAMAL	104-55-2	-
COUMARIN	91-64-5	-
GERANIOL	106-24-1	-
HYDROXYISOHEXYL 3-CYCLOHEXENE CARBOXALDEHYDE	31906-04-4	-
ANISE ALCOHOL	105-13-5	-
BENZYL CINNAMATE	103-41-3	-
FARNESOL	4602-84-0	-
BUTYLPHENYL METHYLPROPIONAL	80-54-6	-
LINALOOL	78-70-6	-
BENZYL BENZOATE	120-51-4	-
CITRONELLOL	106-22-9	-
HEXYL CINNAMAL	101-86-0	-
LIMONENE	5989-27-5	-
METHYL 2-OCTYNOATE	111-12-6	-
ALPHA-ISOMETHYL IONONE	127-51-5	-
EVERNIA PRUNASTRI EXTRACT	90028-68-5	-
EVERNIA FURFURACEA EXTRACT	90028-67-4	-

DATE: 29.04.2013



PRODUCTION FLOW CHART

ORGANIC SUNFLOWER OIL





SAFETY DATA SHEET
SUNFLOWER ORGANIC OIL

This SDS is not mandated under REACH Regulation (EC) No 1907/2006 and is provided for information only.

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

1.1. Product identifier

Product name SA CERT ORGANIC SUNFLOWER OIL RW
Product number 90023
CAS number 8001-21-6
EC number 232-273-9

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

Identified uses Not applicable

1.3. Details of the supplier of the safety data sheet

Supplier Madar Corporation
19–20 Sandleheath Industrial Estate,
Fordingbridge,
Hampshire,
SP6 1PA,
UK
Tel: 01425 655555
Email: technical@madarcorporation.co.uk

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Comment This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.

Physical hazards Not Classified

Health hazards Not Classified

Environmental hazards Not Classified

**Classification (67/548/EEC or -
1999/45/EC)**

2.2. Label elements

EC number 232-273-9

Hazard statements NC Not Classified



2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

Product name	SA CERT ORGANIC SUNFLOWER OIL RW
CAS number	8001-21-6
EC number	232-273-9

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	No specific recommendations.
Inhalation	Move affected person to fresh air at once. Get medical attention if any discomfort continues.
Ingestion	If necessary, rinse mouth and provide fresh air. Get medical attention if any discomfort continues.
Skin contact	Wash skin thoroughly with soap and water.
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 if any discomfort continues.

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

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

Notes for the doctor	No specific recommendations.
----------------------	------------------------------

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Extinguish with the following media: Foam, carbon dioxide or dry powder.
Unsuitable extinguishing media	Water.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products	Oxides of carbon.
-------------------------------	-------------------

5.3. Advice for firefighters

Protective actions during firefighting	Containers close to fire should be removed or cooled with water.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. In case of spills, beware of slippery floors and surfaces.
----------------------	---

6.2. Environmental precautions

Environmental precautions	No negative effects on the aquatic environment are known.
---------------------------	---

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Contain and absorb spillage with sand, earth or other non-combustible material. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Wash thoroughly after dealing with a spillage.

6.4. Reference to other sections

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Handle all packages and containers carefully to minimise spills.

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. Keep away from heat, sparks and open flame. Protect from freezing and direct sunlight.

Storage class Unspecified storage.

7.3. Specific end use(s)

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

8.2. Exposure controls

Protective equipment



Eye/face protection Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles or face shield.

Hand protection Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

Other skin and body protection Wear appropriate clothing to prevent any possibility of skin contact. Wear apron or protective clothing in case of contact.

Hygiene measures No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products.

Respiratory protection No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance Liquid.

Colour Colourless to pale yellow.

Odour Characteristic.

Flash point >300°C

Relative density ~ 0.920 @ 20°C

9.2. Other information

Refractive index ~ 1.470 @ 20°C

SECTION 10: Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

Stability Stable at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Will not polymerise.

10.4. Conditions to avoid

Conditions to avoid Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

Materials to avoid Strong oxidising agents. Strong acids. Strong alkalis.

10.6. Hazardous decomposition products

Hazardous decomposition products Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Oxides of nitrogen.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

General information No specific health hazards known.

Inhalation No specific health hazards known.

Ingestion No specific health hazards known. No harmful effects expected from quantities likely to be ingested by accident.

Skin contact No specific health hazards known.

Eye contact Vapour or spray in the eyes may cause irritation and smarting.

Acute and chronic health hazards No specific health hazards known.

Medical symptoms No specific symptoms noted, but this chemical may still have adverse health impact, either in general or on certain individuals.

Medical considerations May cause allergic contact eczema. Prolonged or repeated exposure may cause the following adverse effects: Allergic rash. Get medical attention.

SECTION 12: Ecological Information

Ecotoxicity No negative effects on the aquatic environment are known.

12.1. Toxicity

12.2. Persistence and degradability

Persistence and degradability The product is expected to be biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential The product does not contain any substances expected to be bioaccumulating.



12.4. Mobility in soil

Mobility The product is insoluble in water.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Waste is suitable for incineration.

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

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.



SECTION 15: Regulatory information

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

EU legislation

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).

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).

Guidance

Workplace Exposure Limits EH40.

15.2. Chemical safety assessment

SECTION 16: Other information

Key literature references and sources for data European Chemicals Agency, <http://echa.europa.eu/>

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.

PRODUCT SPECIFICATION

Product Name	Organic Sunflower Oil		
Date	29/06/2016	Product Code	OVCSUNF
		Rev	4
Reason for Revision	Updated to new specification format		

Description	The Oil is produced by the refining, bleaching and deodorisation of the crude oil obtained from the seed of organically grown sunflower.		
Appearance	Clear and bright pale yellow liquid		
Odour	Bland or faint typical, free from rancid or foreign odours		
Flavour	Bland or faint typical, free from rancid or foreign odours		
INCI Name	Helianthus annuus seed oil (Sunflower Oil)		
CAS Number	8001-21-6	EC Number	-
EINECS Number	232-273-9		

Test Specification

Analytical Test	Specification Range
Refractive Index @20°C	1.472-1.476
Moisture (%)	0.1 Maximum
Smoke Point (°C)	200 Minimum
Flash Point (°C)	300 Minimum

Product Breakdown

Ingredient	% in Product	Country of Origin
Sunflower Oil	100%	Italy

Specification

Analytical Characteristics- Typical			
Test	Test Method	Unit	Value
Free Fatty Acids	-	%	0.3 Max
Peroxide Value	-	meq/kg	1 Max
Iodine Value	-		120-140

Typical Fatty Acid Table

C16:0 Palmitic Acid %	3-10
C18:0 Stearic Acid %	1-10
C18:1 Oleic Acid %	14-39
C18:2 Linoleic Acid %	48-70
C18:3 Linolenic Acid %	0.3 Maximum

PRODUCT SPECIFICATION

Nutritional Values

Nutrition Information (per 100ml as sold)		
Test	Unit	Result
Energy	Kcals/kJ	3700kj/ 900kcal
Protein	(g)	0
Carbohydrate	(g)	0
Of which sugar	(g)	0
Fat	(g)	100
Of which saturates	(g)	12.0
Of which mono-unsaturates	(g)	20.5
Of which poly-unsaturates	(g)	63.3
Salt	(g)	0

Dietary and Food Intolerance Information	Yes	No
Suitable for Vegetarians	✓	
Suitable for Vegans	✓	
Suitable for Halal Diets	✓ (not formally certified)	
Suitable for Kosher Diets	✓	

Allergens

The oil does not contain any of the allergens required to be declared under current EU legislation, namely: Cereals containing gluten, Crustaceans, Molluscs, Eggs, Fish, Peanuts, Nuts, Soyabeans, Milk, Celery, Mustard, Sesame, Lupin, Sulphur Dioxide

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.

Please note as this is a wholly natural material some parameters, in particular, appearance, colour and odour, may change due to natural variation and climate change. This in no way affects the quality and efficacy of the product.

DATA SHEET

ORGANIC SUNFLOWER OIL

INCI name:	Helianthus Annuus Seed Oil
Synonyms:	Sunflower, common sunflower
Country of Origin:	Romania/ Hungary/ Ukraine/ Argentina/ France/ Slovenia/ Slovakia/ Austria/ Italy/ Kazakhstan/ Moldova/ Poland/ Russia/ Brazil/ Peru/ Chile/ Uganda (botanical origin); The Netherlands (processed)
CAS Number:	8001-21-6
EC Number:	232-273-9
Status:	100% Pure & Natural



General Description

Sunflower is an annual flowering plant belonging to the Asteraceae family. Growing up to 3.5 metres high, it has a single, large flower, typically red, orange or yellow in colour.

Extraction

Helianthus annuus Seed Oil is the oil expressed and refined from the seeds of the Sunflower, *Helianthus annuus* L., Compositae.

Common Uses/Applications

- Aromatherapy applications.
- Component used in cosmetic products.

Aromatherapy Actions/Uses

- Considered to have the following properties: emollient, nutritional, antioxidant, UV absorption and Hypoallergenic.
- Regarded to be helpful for: heart disease, dry skin, cardiovascular health, infections, prostate health, acne, skin irritations, eczema, psoriasis, dry brittle hair, dry scalp, stretch marks, sun damaged skin, skin burns, skin injuries and scars.

Allergens and IFRA

Contains none of the 26 allergens designated by the EU in European Union Cosmetics Regulation (EC) No 1223/2009 Annex III.

Does not contain material restricted/prohibited by IFRA and therefore does not require an IFRA statement.

Animal Non-Testing Declaration

Inovia International has never been involved in animal testing or retesting for any of its products, nor has it sanctioned any third party to conduct such testing.

Transmissible/ Bovine Spongiform Encephalopathy (T.S.E/B.S.E)

This product does not contain, and is not derived from, specified risk material as defined in Commission Decision 97/534/EC or mechanically recovered meat obtained from the vertebral column of bovine, ovine or caprine animals. During production, storage and transport there is no contact with any extracts of animal (cattle, sheep, goat etc) origin and a cross contamination is excluded. Product is therefore free from Bovine Spongiform Encephalopathy (BSE) and Transmissible Spongiform Encephalopathy (TSE).

Statement on Genetically Modified Organisms

We confirm to the best of our knowledge that this product does not contain nor has been produced with the aid of any genetically modified organism. In consequence, this product will not contain any detectable residues of protein or DNA resultant from genetic modification.

The data provided in this document is meant to represent anecdotal, typical data and information for this product and is correct to the best of our knowledge. The data was obtained from current and reliable sources, but is supplied without warranty, expressed or implied, regarding its correctness or accuracy. It is the user's responsibility to determine safe conditions for the use of this product, and to assume liability for loss, injury, damage or expense arising from improper use of this product. The information provided does not constitute a contract to supply to any specification, or for any given application, and buyers should seek to verify their requirements and product use.

Revision Date: 17/08/2017

Revision: 2



STATEMENT ON VEGAN SUITABILITY

ORGANIC SUNFLOWER OIL RW

We confirm to the best of our knowledge that the above product sold by MADAR Corporation Limited does not contain any animal substances.

During production, storage and transport there is no contact with any extracts of animal origin.

We therefore declare that the product is suitable for vegans.