

Certificate of Analysis

PRODUCT DETAILS					
Product Name		SAFFLOWER OIL REFINED			
Tariff Number		15121910			
Country of Origin		EU			
Batch Number		4515203			
Expiry Date		August 2025			
Identification		CAS No: 8001-23-8		EC No: 232-276-5	
PHYSICAL AND CHEMICAL CHARACTERISTIC					
		SPECIFICATION RANGE		RESULTS	
Appearance		Liquid		Conforms	
Colour		Light Yellow		Conforms	
Odour		Neutral		Conforms	
Relative Density @ 20°C		0.910 - 0.930		0.920	
Acid Value (mgKOH/g)		≤1.0		0.15	
Saponification Value (mgKOH/g)		180 - 195		192	
FATTY ACID PROFILE (%)					
CONSTITUENT RANGE	RESULTS	CONSTITUENT RANGE	RESULTS	CONSTITUENT RANGE	RESULTS
C16:0 Palmitic Acid 3.0 - 10.0	6.55%	C18:0 Stearic Acid 1.0 - 7.0	3.24%	C18:1 Oleic Acid 5.0 - 40.0	31.47%
C18:1 Oleic Acid 5.0 - 40.0	57.62%				
STORAGE AND SHELF LIFE					
Storage		Store in tightly closed container with minimum headspace in a cool, dark and dry place.			

ALLERGEN DECLARATION

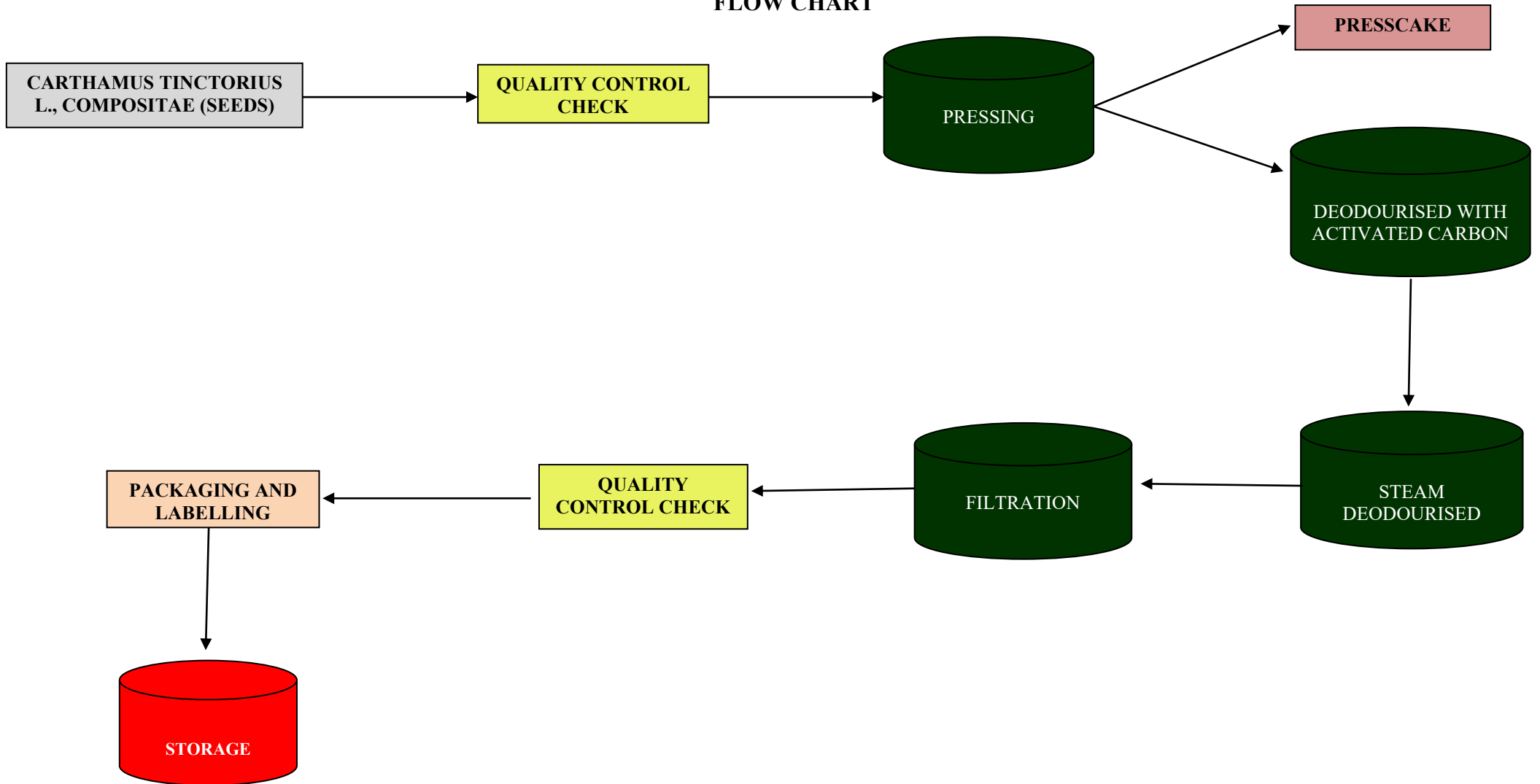
We hereby confirm that the following item contains the components listed below. Stated are the total levels added plus levels from natural ingredients. The information is supplied to enable compliance with Cosmetic and Detergent regulations.

SAFFLOWER OIL REFINED

Ingredient	CAS	EC	Concentration (%)
There are no allergens.			

Regulatory Affairs Department

PROCESSING – SAFFLOWER OIL REFINED
FLOW CHART





GMO Statement

IDENTIFICATION	
Product:	SAFFLOWER OIL REFINED
Cas No:	8001-23-8
EINECS No:	232-276-5
STATEMENT	
<p>Referring to Regulation (EC) No 1829/2003 of 22nd September 2003 on genetically modified food and feed and Regulation (EC) No 1830/2003 of 22nd September 2003 concerning the traceability and labelling of genetically modified organisms and the traceability of food and feed products produced from genetically modified organisms, we have proofed with our supplier if the above mentioned product is subject of these legislations.</p> <p>According to our current knowledge and supplier's information we assume that this product has not been produced of nor contain any genetically modified organism. Therefore, it does not fall under the scope of the legislations mentioned above.</p> <p>However, due to the fact that we do not analyse the batches, we cannot guarantee any explicit assurance.</p> <p>This is a computer-generated document and it does not require a signature. It is the ultimate responsibility of our customer to ensure the safety of the final product containing this material.</p>	

SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: SAFFLOWER OIL REFINED!
1

Version:

Section 1. Identification of the substance or the mixture and of the supplier

1.1 Product Identifier

Product identifier: SAFFLOWER OIL REFINED; CAS: 8001-23-8

Other identifiers: SAFFLOWER OIL REFINED SAFFLR1000 EC: 232-276-5 Carthamus Tinctorius Seed Oil

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

Product uses: Professional Use Only, COSMETIC USE ONLY

1.3 Details of the supplier of the safety data sheet

Company name: Madar Corporation Limited

Company address: 19 - 20 Sandleheath Industrial Estate

Fordingbridge

SP6 1PSA

Contact: technical@maarcorporation.co.uk
01425 655 555

E-Mail address:

Company phone:

1.4 Emergency telephone number

Emergency phone: 01425 655 555

Section 2. Hazards identification

2.1 Classification of the substance or mixture

Classification under Regulation (EC) No 1272/2008

Class and category of danger: This material does not meet the criteria for classification under Regulation (EC) No 1272/2008.

2.2 Label elements

Classification under Regulation (EC) No 1272/2008

Signal word: None

Hazard statements: None

M factor: None

Supplemental Information: None



SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: SAFFLOWER OIL REFINED!

Version: 1

Precautionary statements: None

Pictograms: None

2.3 Other hazards

Other hazards: None

Section 3. Composition / information on ingredients

3.1 Substances

Product identifier: SAFFLOWER OIL REFINED; CAS: 8001-23-8

Section 4. First-aid measures

4.1 Description of first aid measures

Inhalation: Remove from exposure site to fresh air, keep at rest, and obtain medical attention.

Eye exposure: Flush immediately with water for at least 15 minutes. Contact physician if symptoms persist.

Skin exposure: Remove contaminated clothes. Wash thoroughly with soap and water. Contact physician if irritation persists.

Ingestion: Rinse mouth with water and obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed

None expected, see Section 4.1 for further information.

4.3 Indication of any immediate medical attention and special treatment needed

None expected, see Section 4.1 for further information.

Section 5: Firefighting measures

5.1 Extinguishing media

Suitable media: Carbon dioxide, Dry chemical, Foam.

5.2 Special hazards arising from the substance or mixture

In case of fire, may be liberated: Carbon monoxide, Unidentified organic compounds.

5.3 Advice for fire fighters:

In case of insufficient ventilation, wear suitable respiratory equipment.



SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: SAFFLOWER OIL REFINED!

Version: 1

Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Avoid inhalation. Avoid contact with skin and eyes. See protective measures under Section 7 and 8.

6.2 Environmental precautions:

Keep away from drains, surface and ground water, and soil.

6.3 Methods and material for containment and cleaning up:

Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Contain spillage immediately by use of sand or inert powder. Dispose of according to local regulations.

6.4 Reference to other sections:

Also refer to sections 8 and 13.

Section 7. Handling and storage

7.1 Precautions for safe handling:

Keep away from heat, sparks, open flames and hot surfaces. - No smoking. Use personal protective equipment as required. Use in accordance with good manufacturing and industrial hygiene practices. Use in areas with adequate ventilation. Do not eat, drink or smoke when using this product.

7.2 Conditions for safe storage, including any incompatibilities:

Store in a well-ventilated place. Keep container tightly closed. Keep cool. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

7.3 Specific end use(s):

Professional Use Only, COSMETIC USE ONLY: Use in accordance with good manufacturing and industrial hygiene practices.

Section 8. Exposure controls/personal protection

8.1 Control parameters

Workplace exposure limits: Not Applicable

8.2 Exposure Controls

Eye / Skin Protection

Wear protective gloves/eye protection/face protection

Respiratory Protection

Under normal conditions of use and where adequate ventilation is available to prevent build up of excessive vapour, this material should not require special engineering controls. However, in conditions of high or prolonged use, or high



SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: SAFFLOWER OIL REFINED!

Version: 1

temperature or other conditions which increase exposure, the following engineering controls can be used to minimise exposure to personnel: a) Increase ventilation of the area with local exhaust ventilation. b) Personnel can use an approved, appropriately fitted respirator with organic vapour cartridge or canisters and particulate filters. c) Use closed systems for transferring and processing this material.

Also refer to Sections 2 and 7.

Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical State/Colour:	Pale Yellow to Yellow Liquid
Odour:	Characteristic
Odour threshold:	Not determined
Melting point / freezing point:	Not determined
Boiling point or initial boiling point and boiling range:	≥ 350 °C
Flammability:	Not determined
Lower and upper explosion limit:	Not determined
Flash point:	200 °C
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not relevant
pH:	Not determined
Kinematic viscosity:	Not determined
Solubility:	Not determined
Partition coefficient: n-octanol/water (log value):	Not determined
Vapour pressure @ 20°C	Not determined
Density and/or relative density:	0.9100 - 0.9300
Relative vapour density:	Not determined
Particle characteristics:	Not determined

9.2 Other information:

Solubility In Water: Insoluble

Section 10. Stability and reactivity

10.1 Reactivity:

Presents no significant reactivity hazard, by itself or in contact with water.

10.2 Chemical stability:

Good stability under normal storage conditions.

SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: SAFFLOWER OIL REFINED!

Version: 1

10.3 Possibility of hazardous reactions:

Not expected under normal conditions of use.

10.4 Conditions to avoid:

Avoid extreme heat.

10.5 Incompatible materials:

Avoid contact with strong acids, alkalis or oxidising agents.

10.6 Hazardous decomposition products:

Not expected.

Section 11. Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

This material does not meet the criteria for classification for health hazards under Regulation (EC) No 1272/2008.

Acute Toxicity:	Based on available data the classification criteria are not met.
Acute Toxicity Oral	Not Applicable
Acute Toxicity Dermal	Not Applicable
Acute Toxicity Inhalation	Not Available
Skin corrosion/irritation:	Based on available data the classification criteria are not met.
Serious eye damage/irritation:	Based on available data the classification criteria are not met.
Respiratory or skin sensitisation:	Based on available data the classification criteria are not met.
Germ cell mutagenicity:	Based on available data the classification criteria are not met.
Carcinogenicity:	Based on available data the classification criteria are not met.
Reproductive toxicity:	Based on available data the classification criteria are not met.
STOT-single exposure:	Based on available data the classification criteria are not met.
STOT-repeated exposure:	Based on available data the classification criteria are not met.
Aspiration hazard:	Based on available data the classification criteria are not met.

Information about hazardous ingredients in the mixture

Not Applicable

Refer to Sections 2 and 3 for additional information.

11.2 Information on other hazards

Not Applicable

Section 12. Ecological information

12.1 Toxicity: Not available

12.2 Persistence and degradability: Not available



SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: SAFFLOWER OIL REFINED!

Version: 1

12.3 Bioaccumulative potential: Not available

12.4 Mobility in soil: Not available

12.5 Results of PBT and vPvB assessment:

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

12.6 Endocrine disrupting properties: Not Applicable

12.7 Other adverse effects: Not available

Section 13. Disposal considerations

13.1 Waste treatment methods:

Dispose of in accordance with local regulations. Avoid disposing into drainage systems and into the environment. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Section 14. Transport information

	14.1 UN number:	14.2 UN Proper Shipping Name:	14.3 Transport hazard class (es):	Sub Risk:	14.4 Packing Group:
UN Model Regulations	Not classified	-	-	-	-
IMDG	Not classified	-	-	-	-
ADR,RID,ADN	Not classified	-	-	-	-
ICAO TI	Not classified	-	-	-	-

14.5 Environmental hazards: Not environmentally hazardous for transport

14.6 Special precautions for user: None additional

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

Not classified

Section 15. Regulatory information

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

None additional

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out for this product.

Section 16. Other information

Key to revisions:



SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: SAFFLOWER OIL REFINED!

Version: 1

Not applicable

Key to abbreviations:

Not applicable

The information in this safety data sheet is to the best of our knowledge true and accurate but all data, instructions, recommendations and/or suggestions are made without guarantee.

SPECIFICATION

The following information is accurate to the best of our knowledge
Please see our Safety Data Sheet for the hazardous information of this product.

PRODUCT:	SAFFLOWER OIL REFINED
CAS NO:	8001-23-8
Other Identifier:	EC: 232-276-5
Tariff Number:	15121910
Appearance (state):	Liquid
Appearance (colour):	Pale Yellow to Yellow
Odour:	Characteristic
Specific Gravity @ 20C:	0.9100 - 0.9300
Flash Point:	200 °C
Boiling Point:	≥ 350 °C
Shelf Life (months) Unopened and in original containers:	12 - 24
Storage:	Store in a well-ventilated place. Keep container tightly closed.
Acid Value (mgKOH/g):	≤1.0
Iodine Value (mg/g):	120 - 155
Saponification Value (mgKOH/g):	180-195
Peroxide Value (Meq/kg):	≤10.0
Fatty Acid Profile %:	C14:0 Myristic Acid ≤0.2 C16:0 Palmitic Acid 3.0-10.0 C18:0 Stearic Acid 1.0-7.0 C18:1 Oleic Acid 5.0-40.0 C18:2 Linoleic Acid 50.0-85.0 C18:3 Linolenic Acid ≤0.5 C20:0 Arachidic Acid ≤0.5 C20:1 Eicosenoic ≤0.5 C22:0 Behenic Acid ≤1.0

SPECIFICATION

Regulatory Department

This specification is computer generated and valid without a signature



Vegan and Vegetarian Statement

IDENTIFICATION	
Product:	SAFFLOWER OIL REFINED (SAFFLR1000)
Cas No:	8001-23-8
EINECS No:	232-276-5
STATEMENT	
<p>We, Madar Corporation Limited, from information received from our supplier, hereby declare that the material listed above is suitable for the following:</p> <p>Vegans (Excludes all animal derived products, including dairy, eggs, leather, bee products (beeswax and honey).</p> <p>Lacto Vegetarians (Same as vegan but allows milk products and bee products.</p> <p>Ovo Vegetarians (Same as vegan but allows egg products and bee products)</p> <p>It does not contain any animal ingredients or animal by products. No animal ingredients or by products are used in the manufacturing process.</p> <p>This document represents to the best of our knowledge and from information received from our supplier. It does not release the buyer from the obligation to carry out an examination of the goods received. All uses made by the buyer are done under their own responsibility.</p>	