

**Safety Data Sheet**  
Refined Safflower Oil**1. Identification of the Substance and of the Company****1.1 The substance**

Trade name: Refined Safflower Oil  
CAS number: 8001-23-8  
EC number: 232-276-5

**1.2 The company**

Michael Harding Art Formulas Ltd  
Unit K Springvale Ind Est, Cwmbran, NP44 5BE  
Tel: +44 (0)1633 484700  
accounts@michaelharding.co.uk

**1.3 Emergency contact details**

Supplier: +444 (0)1633 484700 (Mon-Thur 08:00-16:30, Fri 08:00-15:30)

**2. 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 1272/2008:** None

**Signal Word:** None

**Hazard Statements:** None

**Precautionary statements and/or supplementary:** None

**2.3 Other hazards:**

**Adverse effects on human health:** No additional data

**Adverse physio-chemical properties:** No additional data

**3. Composition/Information on Ingredients****3.1 Substances:**

100.0 % Carthamus Tinctorius Seed Oil

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Classification: Not classified as hazardous

**Safety Data Sheet**  
 Refined Safflower Oil

**4. First Aid Measures**
**4.1 Description of first aid measures:**

Skin contact:	Remove contaminated clothing and wash before reuse. Wash immediately with plenty of soap and water. Seek medical attention if discomfort continues.
Eye contact:	Bathe the eye with running water for 15 minutes. If safe to do so, remove contact lenses and seek medical attention.
Ingestion:	Wash out mouth with water. DO not induce vomiting. If conscious, give half a litre of water to drink immediately and provide fresh air.
Inhalation:	Remove to fresh air and remain in a position which is comfortable and 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.

**5. Fire Fighting Measures**
**5.1 Extinguishing media:**

Suitable extinguishing media: Use alcohol resistant foam, dry powder or carbon dioxide. Do not use water

**5.2 Special hazards arising from the substance or mixture:**

Exposure hazards: 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 fire fighters:**

Wear self-contained respiratory equipment and appropriate protective clothing. Do not inhale any gases or fumes which may be generated. Containers in close proximity to fire should be moved to a safe distance and the exterior of the container cooled with water.

**6. Accidental Release Measures**
**6.1 Personal precautions, protective equipment and emergency procedures:**

Personal precautions: Wear appropriate protective clothing.

**6.2 Environmental precautions:**

Precautions: Do not discharge into drains or rivers, water course or land.

**6.3 Methods and material for containment and cleaning up:**

Methods for cleaning up: Stop the flow of material, if safe and possible to do. Keep in suitable closed containers for disposal. If liquid has been spilt in large quantities clean up promptly by scoop or vacuum. Absorb into dry silica gel, acid binder, universal binder, sawdust or sand.

## Safety Data Sheet

### Refined Safflower Oil

#### 7. Personal Protection

##### 7.1 Precautions for safe handling:

Handling requirements:

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.

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

Storage requirements:

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. Keep storage area not above 20°C.

##### 7.3 Specific End Uses:

No additional data

#### 8. Exposure Controls/

##### 8.1 Control parameters:

No additional data

##### 8.2 Exposure controls:

Engineering measures:

Install sufficient ventilation across all areas. Install readily available eyewash stations and safety showers. Respiratory protection: In the event of airborne contamination or ventilation failure ensure the use of suitable respiratory equipment/protection.

Hand protection: Wear appropriate protective chemically resistant gloves which comply with EN374.

Eye protection:

Safety glasses 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 Controls:

Do not allow the product to enter drains or sewers, water course or the ground. Prevent environmental contamination.

Protective Measures:

Wear slip-proof footwear



**Use all equipment as required and/or recommended for safe handling.**

## Safety Data Sheet

Refined Safflower Oil

### 9. Physical and Chemical Properties

#### 9.1 Information on basic physical and chemical properties:

<b>APPEARANCE (E.G. LIQUID)</b>	Oily Liquid
<b>COLOUR</b>	Pale - Dark Yellow
<b>ODOUR</b>	Characteristic
<b>SPECIFIC GRAVITY</b>	No additional data
<b>REFRACTIVE INDEX</b>	~1.475 @ 20°C
<b>FLASH POINT (°C)</b>	>280.0
<b>AUTO-IGNITION TEMPERATURE (°C)</b>	No additional data
<b>MELTING POINT (°C)</b>	≤15.00
<b>BOILING POINT (°C)</b>	>100.0
<b>SOLUBILITY</b>	Insoluble in water.
<b>VAPOUR PRESSURE</b>	No additional data

**9.2 Other information:** No data available

### 10. Stability and Reactivity

- 10.1 Reactivity:** Stable under recommended transport or storage conditions.
- 10.2 Chemical stability:** Stable under recommended transport or storage conditions
- 10.3 Possibility of hazardous reactions:** No data available.
- 10.4 Conditions to avoid:** Storage <20°C
- 10.5 Incompatible materials:** Strong acids, alkali, oxidising agent
- 10.6 Hazardous decomposition products:** In the event of fire this product may generate oxides of carbon and other toxic gases.

### 11. Toxicological Information

- 11.1 Acute Toxicity:** Not classified as toxic
- 11.2 Skin Corrosion/Irritation:** No available data
- 11.3 Serious Eye Damage:** No additional data
- 11.4 Respiratory/Skin Sensitization:** No additional data
- 11.5 Germ Cell Mutagenicity/Carcinogenicity/Reproductive Toxicity:** No additional data
- 11.6 STOT– Single Exposure:** No additional data
- 11.7 STOT – Repeated Exposure:** No additional data
- 11.8 Aspiration Hazard:** No additional data
- 11.9 General and/or Additional Data: E.G. Phototoxicity:** No additional data

**12. Ecological Information**

- 12.1 Toxicity:** The product is not classified as hazardous for the environment. However, use according to good working practice and do not release it to the environment.
- 12.2 Persistence and degradability:** >90%(OECD)
- 12.3 Bioaccumulative potential:** None
- 12.4 Mobility in soil:** Low - None
- 12.5 Results of PBT/vPvB assessment:** No additional data

**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. Transport Information**

- 14.1 UN Number:** Not restricted
- 14.2 UN Shipping Name:** Not applicable
- 14.3 Transport Hazard Class (es):** Not applicable
- 14.4 Packing Group:** Not applicable
- 14.5 Environmental Hazard:** 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/legislations specific for the substance/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. Other information**

- 16.1 Hazard Statements:** None
- 16.2 Revision Date:** 11/05/2022
- 16.3 Revision Number:** 1