



Material safety data sheet
According to EU Regulation 1907/2006 in the current version
Safflower Oil

1. Identification of the substance/mixture and company

Trade name:	Safflower Oil Fatty oil obtained from seeds of <i>Carthamus tinctorius</i> L. or from hybrid seeds of <i>Carthamus tinctorius</i> L. by pressure and/or extraction followed by refining
INCI	<i>Carthamus tinctorius</i> (Safflower) oil
CAS No. :	8001-23-8
EINECS No. :	232-276-5
REACH pre-registration No. :	This product is according to Annex V, paragraph 9 of Regulation (EC) n° 1907/2006, exempted from registration
Utilization:	Raw material for cosmetic or professional use
Supplier company identification:	Elemental SRL , Piața Cazărmii no.15, 410188-Oradea, jud.Bihor, Romania Tel/Fax: +40259-436.755, www.elemental.eu
Emergency:	RO: număr național pentru cazuri de urgență: 021 3183606 Institutul de Sănătate Publică București. International emergency number: +49 180 2273-112

2. Hazards Identification

2.1 Classification

Classification according to Regulation (EC) n° 1272/2008 (CLP):

Not classified

2.2 Label elements

Labeling according to Regulation (EC) n° 1272/2008 (CLP):

No labeling applicable

2.3 Other hazards

Inhalation : not dangerous

Skin contact : not dangerous

Ingestion : not dangerous

Eye contact : not dangerous

In case of leakage non-skidding shoes are required to prevent falls and sliding.

3. Declaration of ingredients

3.1 Chemical composition: high molecular weight esters and fatty acids

Chemical composition: glycerol triester and fatty acids

CAS number : 8001-23-8

INCI Name and EINECS number : *Carthamus Tinctorius* (Safflower) oil– 232-276-5

4. First aid measures

4.1 Description of first aid measures

A medical examination is not necessary.



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Inhalation: Inhalation is not a pertinent exposure route for the product due to this physical aspect and/or its composition.

Skin contact: Liberally bathe affected body parts with water and soap.

Eye contact: Rinse out carefully with plenty of water with the eyelid held wide open.

Ingestion: If the person is conscious, rinse mouth with water. Do not induce vomiting without medical advice.

4.2 Most important symptoms and effects, both acute and delayed

No data / information available

4.3 Indication of any immediate medical attention and special treatment needed

No data / information available

5. Fire fighting measures

5.1 Extinguishing media

Carbon dioxide, foam, dry chemical powder.

5.2 Unsuitable extinguishing media

Water

5.3 Special protective equipment

Use a protecting clothing and self – contained breathing equipment.

6. Accidental release measures

6.1 Personal precautions

No special precautions required.

6.2 Environmental precautions

Avoid discharge into drinking water supplies, waste water or soil.

6.3 Methods for cleaning up

Small spills and residues may be absorbed with material such as cloth or sawdust, washed away with water and cleaned with sodic products. Larger spillage may be pumped.

7. Handling and storage

7.1. Handling

No special precautions necessary. Use food contact hose pipes.

7.2. Storage

Keep in a cool place. Store in the original full closed drum or container to prevent over oxidation.



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7.3. Special use(s)

None.

8. Exposure controls / personal protection

No special protecting equipment required.

8.1. Occupational exposure limit

not applicable

8.2. Exposure controls

not applicable

9. Physical and chemical properties

9.1 General information

- form : Liquid
- odour : Characteristic, mild
- colour : Yellow to pale yellow

9.2. Important information on health, security and environment

- pH : not applicable
- Initial boiling point [°C]: undetermined
- Flash point : > 250°C
- Explosion limits : Undetermined
- Vapour pressure [20°C] : Undetermined
- Vapour pressure [20°C] : Undetermined
- Density : see technical data sheet
- Solubility : slightly soluble in ethanol (96%), miscible with light petroleum
- Viscosity at 20°C : Undetermined
- Log P octanol / water at 20°C : Undetermined

9.3. Other information

- autoignition temperature : >300°C

10. Stability and reactivity

10.1. Reactivity

Stability: stable under normal conditions.

10.2. Chemical stability

The product is stable.

10.3. Possibility of hazardous reactions

No data / information available



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10.4. Conditions to avoid

Heating at more than 180 °C (food use), at more than 60°C (cosmetic use), light and the oxygen of the ambient air: degradation and oxidation of the substance.

10.5. Incompatible materials

No data / information available

10.6. Hazardous decomposition products

No data / information available

11. Toxicological information

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Non toxic product : cosmetic and food use

Acute toxicity: No acute toxicity is to be feared regarding the product.

Chronic toxicity: No potential chronic health effect needs to be considered.

Information on the likely routes of exposure:

- Inhalation : No known acute effect in normal conditions of use
- Dermal contact: No known effect.
- Eye contact: No known effect.
- Ingestion : No known acute effect in normal conditions of use
- CMR effects (Carcinogenity, Mutagenicity and toxicity for Reproduction): non carcinogenic, non mutagenic, no toxic for reproduction

12. Ecological information

12.1. Toxicity

No study has been carried out for the moment. No ecological problems are to be expected when the product is handled and used with due care and attention.

12.2. Degradability

Completely biodegradable but rich in DBO

12.3. Bioaccumulation potential

No data / information available

12.4. Mobility

No data / information available

12.5 Results of PBT and vPvB assessment

No data / information available

12.6 Various harmful effects

No data / information available



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13. Disposal considerations

13.1. Waste treatment methods

Absorb the oil with material such as cloth, paper or sawdust and throw it in an appropriate waste bin.
Disposal in nature: forbidden.

13.2. Elimination of the product residues

Throw in an appropriate waste bin.

13.3. Dirty packaging

Observe local regulations.

14. Transport information

Not dangerous product

14.1 Classification

Not classified in ADR (road, directive 94/55/CE), RID (rail, directive 96/49/CE), IMDG (sea), ICAO/IATA (air).
Transportation in drums or food tanks.

15. Regulatory information

Regulation (EC) No. 1272/2008 (CLP): product not classified as hazardous, no labeling applicable.
Water endangering class: not water endangering.

16. Additional information

16.1 Abbreviations:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

CAS: Chemical Abstracts Service (division of the American Chemical Society).

CLP: Classification, Labeling, Packaging.

DNEL: Derived No Effect Level.

EINECS: European Inventory of Existing Commercial Chemical Substances.

GHS: Globally Harmonized System of Classification and Labeling of Chemicals.

IATA: International Air Transport Association.

IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

ICAO: International Civil Aviation Organization.

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).

IMDG: International Maritime Code for Dangerous Goods.

INCI: International Nomenclature of Cosmetic Ingredients.

LTE: Long-term exposure.

PNEC: Predicted No Effect Concentration.

RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.

STE: Short-term exposure.

STEL: Short Term Exposure limit.

STOT: Specific Target Organ Toxicity.



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Disclaimer:

This material safety data sheet does not constitute a guarantee of the properties of the product and is not a contractual legal report. The information is given in good faith on the basis of our best knowledge of the product at the indicated time. However, we cannot accept responsibility or liability for any consequences arising from its use, no warranty for correctness and completeness is given. We caution the users against the incurred possible risks when the product is used at other ends than the use for which it was initially planned. It is the user's responsibility during handling, storage and product use to consult the main regulatory texts in force regarding workers and environment protection.