

## Material safety data sheet

According to EU Regulation 1907/2006 in the current version

### Milk Thistle Oil

#### 1. Identification of the substance/mixture and company

Trade name: Milk Thistle Oil  
 I.N.C.I. Silybum Marianum Seed Oil  
 CAS No. : 84604-20-6  
 EC No. : 283-298-7  
 REACH pre-registration No. : /  
 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 of the substance or mixture

This substance is not classified as hazardous in accordance with Regulation (EC) No. 1272/2008.

##### 2.2 Label elements

##### 2.3. Other hazards

No information available.

#### 3. Declaration of ingredients

##### 3.1. Substances

CAS No	Chemical Name	EC No	Quantity
84604-20-6	Milk Thistle Oil	283-298-7	100%

##### 3.2. Mixtures

Not concerned

#### 4. First aid measures

##### 4.1 Description of first aid measures

###### General information

If used properly, no special measures are necessary.

###### After inhalation

Provide fresh air.

###### After contact with skin

Wash with plenty of water. Take off contaminated clothing and wash it before reuse.

###### After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.

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After ingestion

Rinse mouth immediately and drink plenty of water.

4.2 Main symptoms and effects, both acute and delayed

No data available

4.3 Indication to consult a physician immediately or any special treatments

Treat symptomatically

#### 5. Fire fighting measures

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5.1 Means of extinction

Suitable extinguishing media:

Co-ordinate fire-fighting measures to the fire surroundings

5.2 Special hazards arising from the substance or mixture

Non-flammable.

5.3 Recommendations for fire-fighters

In case of fire: Wear self-contained breathing apparatus

#### 6. Accidental release measures

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6.1 Personal precautions, protective devices and emergency procedures

Use personal protection equipment.

6.2 Environmental precautions

No special environmental measures are necessary. Clean contaminated articles and floor according to the environmental legislation.

6.3 Methods and materials for containment and remediation

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

6.4 Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

#### 7. Handling and storage

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7.1 Precautions for safe handling

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#### Advice on safe handling

No special measures are necessary

#### Advice on protection against fire and explosion

No special measures are necessary

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

##### Requirements for storage rooms and vessels:

Keep container tightly closed

Hints on joint storage

No special measures are necessary.

#### 7.3 Specific end uses

Vegetable oil for different applications

### 8. Exposure controls / personal protection

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#### 8.1 Control parameters

No data available

#### 8.2 Exposure controls

##### Protective and hygiene measures

Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink.

##### Eye/face protection

Wear eye protection/face protection.

##### Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

##### Skin protection

Wear suitable protective clothing.

##### Respiratory protection

In case of inadequate ventilation wear respiratory protection.

### 9. Physical and chemical properties

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#### 9.1 Information on physical and chemical properties

Appearance: liquid

Color: light yellow - yellow

Odor: characteristic

pH-value: no data available

Changes in the physical state

Melting point: not determined

Initial boiling point and boiling range: >350 °C

Flash point: not determined

Flammability

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Solid: not applicable

Gas: not applicable

Lower explosion limits: not determined

Upper explosion limits: not determined

Auto-ignition temperature

Solid: not applicable

Gas: not applicable

Decomposition temperature: not determined

Oxidizing properties: Not oxidising.

Vapour pressure: not determined

Density (at 20 °C): 0,92 g/cm<sup>3</sup>

Water solubility: The study does not need to be conducted because the substance is known to be insoluble in water.

Solubility in other solvents not determined

Partition coefficient: not determined

Vapour density: not determined

Evaporation rate: not determine

#### 9.2 Other information

Solid content: not determined

### 10. Stability and reactivity

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#### 10.1 Responsiveness

No hazardous reaction when handled and stored according to provisions.

#### 10.2 Chemical stability

No hazardous reaction when handled and stored according to provisions.

#### 10.3 Possibility of dangerous reactions

No known hazardous reactions.

#### 10.4 Conditions to avoid

None

#### 10.5 Incompatible materials

No information available

#### 10.6 Hazardous decomposition products

No known hazardous decomposition products.

### 11. Toxicological information

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#### 11.1 Information on toxicological effects

##### Acute toxicity

Based on available data, the classification criteria are not met.

##### Irritation and corrosivity

Based on available data, the classification criteria are not met.

##### Sensitising effects

Based on available data, the classification criteria are not met.

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Carcinogenic/mutagenic/toxic effects for reproduction

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

## 12. Ecological information

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### 12.1 Toxicity

The product is not: Ecotoxic.

### 12.2 Persistence and degradability

Readily biodegradable (according to OECD criteria).

### 12.3 Bioaccumulation potential

Readily biodegradable (according to OECD criteria).

### 12.4 Ground mobility

The product has not been tested.

### 12.5 Results of PBT and vPvB assessment

The product has not been tested.

### 12.6 Other adverse effects

The product has not been tested.

Further information: Avoid release to the environment

## 13. Disposal considerations

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### 13.1 Waste treatment methods

Disposal recommendations

Dispose of waste according to applicable legislation.

Contaminated packaging

Wash with plenty of water. Completely emptied packages can be recycled.

## 14. Transport information

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### 14.1 UN number

Not a dangerous good in sense of the transport regulation.

### 14.2 UN shipping name

Not a dangerous good in sense of the transport regulation.

### 14.3 Class of danger for transport

Not a dangerous good in sense of the transport regulation.

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#### 14.4 Packing group

Not a dangerous good in sense of the transport regulation.

#### 14.5 Environmental hazards

Not a dangerous good in sense of the transport regulation.

#### 14.6 Special precautions for users

No information available.

#### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

Not a dangerous good in sense of the transport regulation.

### 15. Regulatory information

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#### 15.1 Regulations and legislation on health, safety and environment specific to the substance or mixture

EU regulatory information

Information according to 2012/18/EU Not subject to 2012/18/EU (SEVESO III)  
(SEVESO III):

#### National regulatory information

Water hazard class (D): awg - generally hazardous to water

#### 15.2 Chemical safety assessment.

For this substance a chemical safety assessment has not been carried out.

### 16. Additional information

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#### 16.1 Abbreviations:

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

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

CE NUMBER: Identifier in ESIS (European Archive of existing substances)

CLP: Classification, Labeling, Packaging.

DNEL: Derived No Effect Level.

EmS: Emergency Schedule

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).

IC50: Immobilization Concentration 50%

IMDG: International Maritime Code for Dangerous Goods.

INCI: International Nomenclature of Cosmetic Ingredients.

IMO: International Maritime Organization

INDEX NUMBER: Identifier in Annex VI of CLP

LC50: Lethal Concentration 50%

LD50: Lethal Dose 50%

OEL: Occupation Exposure Level

PBT: Persistent Bioaccumulative and toxic as Reach Regulation

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PEC: Predicted environmental Concentration  
PEL: Predicted exposure level  
PNEC: Predicted No Effect Concentration.  
REACH: EC Regulation 1907/2006  
RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.  
TLV: Threshold Limit Value  
TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure  
TWA STEL: Short-term exposure limit  
TWA: Time-weighted average exposure limit  
VOC: Volatile organic Compounds  
vPvB: very persistent and very Bioaccumulative as for REACH Regulations  
WGK: Water hazard calasses (German).

#### 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.