

## Material safety data sheet

According to EU Regulation 1907/2006 in the current version

### CALENDULA OIL

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

Trade name: Calendula oil  
Product resulting by extraction of marigold flowering heads with refined, non genetically modified soybean oil. The product is stabilized with approx. 1500 mg/kg natural Vitamin E.  
I.N.C.I. Glycine soja oil, Calendula officinalis flower extract, Tocopherol  
REACH pre-registration No. : -  
Utilization: Vegetable oil, 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 mixture is not classified as hazardous in accordance with Regulation (EC) No. 1272/2008.

##### 2.2 Label elements

None.

##### 2.3 Other hazards

No information available.

#### 3. Declaration of ingredients

##### 3.2 Mixture. The product contains the following ingredients:

Substance	C.A.S.	EINECS	Percent %
Glycine soja oil	8001-22-7	232-274-4	>99 %
Calendula officinalis flower extract	84776-23-8	283-949-5	<1%
Tocopherol	1406-18-4	215-798-8	<0.1%

#### 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.

After ingestion

Observe risk of aspiration if vomiting occurs. Rinse mouth immediately and drink plenty of water.

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

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No information available.

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

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

Advice on safe handling: No special measures are necessary.

Advice on protection against fire and explosion: No special fire protection 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

To date, no national critical limit values exist.

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There are no specific control parameters.



#### 8.2 Exposure controls

Individual protection measures, such as personal protective equipment

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.

Eye protection: Wear eye protection/face protection.

### 9. Physical and chemical properties

#### 9.1 Information on physical and chemical properties

Appearance: liquid

Color: light yellow to orange

Odor: slight, characteristic

Relative density (d 20 / 20): NA

Refractive index at 20°C: NA

Optical rotation (°): NA

Odor threshold: NA

pH: Not determined

Melting point / freezing point: Not determined

Initial boiling point and boiling range: >350 °C

Flash point: >200 °C

Evaporation rate: NA

Flammability (solid, gas): NA

Upper / lower flammability or explosive limits: Not determined

Vapor tension: Not determined

Density: 0,92 g/cm<sup>3</sup>

Solubility in water: insoluble

Partition coefficient: n-octanol / water NA

Auto-ignition temperature: NA

Decomposition temperature: Not determined

Viscosity: NA

Explosive properties: NA

Oxidizing properties: Not oxidizing

#### 9.2 Other information

Other safety characteristics

Solid content: not determined

Evaporation rate: not determined

### 10. Stability and reactivity

Stable under normal conditions of use.

#### 10.1 Responsiveness

No hazardous reaction when handled and stored according to provisions.

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#### 10.2 Chemical stability

The product is stable under storage at normal ambient temperatures.

#### 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 hazard classes as defined in Regulation (EC) No 1272/2008

Additional information on tests

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

### 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

The product has not been tested.

#### 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

No information available.

Further information: Avoid release to the environment.

### 13. Disposal considerations

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#### 13.1 Waste treatment methods

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

Recommendation

Absorb the oil with material such as cloth, paper or sawdust. Collect and dispose of waste product at an authorised disposal facility. Product remainders should not intrude in soil or waters.

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#### 14. Transport information

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##### 14.1 UN number

ADR: Not classified

IMDG: Not classified

IATA: Not classified

Customs Code: Not classified

##### 14.2 UN shipping name

ADR: Not classified

IMDG: Not classified

IATA: Not classified

##### 14.3 Class of danger for transport

ADR: Not classified

IMDG: Not classified

IATA: Not classified

##### 14.4 Packing group

ADR: Not classified

IMDG: Not classified

IATA: Not classified

##### 14.5 Environmental hazards

Not applicable

##### 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 applicable

#### 15. Regulatory information

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

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

Water contaminating class (D): awg - generally water contaminating

##### 15.2 Chemical safety assessment.

Chemical safety assessments for substances in this mixture were not carried out.

#### 16. Additional information

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##### 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.

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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.

#### 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.