

## Material safety data sheet

According to EU Regulation 1907/2006 in the current version

### LICORICE CO2 EXTRACT

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

Trade name: Licorice CO2 extract  
 Natural product obtained by supercritical fluid extraction with natural carbon dioxide, standardized with MCT oil.  
 I.N.C.I. Glycyrrhiza Uralensis root extract, Caprylic/Capric triglyceride  
 CAS No. : 94349-91-4, 73398-61-5  
 EINECS No. : 305-209-3, 277-452-2  
 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 mixture is not classified as dangerous in accordance with Regulation (EC) No. 1272/2008.

##### 2.2 Label elements

Additional advice on labeling

The product does not require special labeling according to the regulation 67/548/EEC.

##### 2.3 Other hazards

Special skid risk by leaking/spilling product.

#### 3. Declaration of ingredients

The product contains the following ingredients:

Substance	C.A.S.	EINECS	Percent %
Glycyrrhiza Uralensis (Licorice) Root Extract	94349-91-4	305-209-3	> 55
Caprylic/Capric Triglyceride	73398-61-5	277-452-2	< 45

Contains a.o. Licoricidin, 5-o-Methyllicoricidin, essential oil

Further Information: no solvent residues

#### 4. First aid measures

##### 4.1 Description of first aid measures

General information: In case of accident or if you feel unwell, seek medical advice immediately (show safety data sheet if possible). Seek medical attention if problems persist.

In case of contact with skin: Wash the affected area immediately with plenty of soap and water, if irritation persists seek medical attention.

In case of contact with eyes: Rinse with plenty of water for at least 15 minutes (while holding eyelids apart), if irritation persists seek medical attention.

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In case of inhalation: Take the person to fresh air.

In case of ingestion: Rinse mouth immediately and drink large quantities of water. Consult physician.

#### 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

No data available

### 5. Fire fighting measures

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#### 5.1 Means of extinction

Suitable extinguishing media: foam, CO2, powder

Extinguishing media which must not be used for safety reasons: water stream

#### 5.2 Special hazards arising from the substance or mixture

During the fire toxic fumes could be released, use protective masks.

#### 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

Avoid contact with skin and eyes, concentrated extracts should not be swallowed.

Wear personal protection equipment.

Provide adequate ventilation.

Wear respiratory protection when in the presence of vapor, dust, and aerosols.

#### 6.2 Environmental precautions

Prevent the product from entering drains, waterways and groundwater.

#### 6.3 Methods and materials for containment and remediation

Remove mechanically, placing in appropriate containers for disposal.

#### 6.4 Reference to other sections

Disposal of the contaminated material must be carried out in accordance with the provisions of point 13.

### 7. Handling and storage

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#### 7.1 Precautions for safe handling

Advice on safe handling

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Avoid contact with skin and eyes, concentrated extracts should not be swallowed.

Wear splash goggles and oil resistant gloves.

Do not breathe gas/fumes/vapor/spray.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking.

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

Requirements for storage rooms and vessels: no special measure necessary

Further information on storage conditions: keep dark and dry, avoid heat, store in tightly closed container

#### 7.3 Specific end uses

No data available

### 8. Exposure controls / personal protection

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#### 8.1 Control parameters

No data available

#### 8.2 Exposure controls



Hand protection: Wear oil resistant gloves. When handling chemical substances, chemical protective gloves must be worn with CE label including a four digit code. German Industry Norms (DIN) / European Norms (EN): EN 374.

Skin protection: wear clothing as usual in chemical industry remove contaminated clothes. After contact with skin, wash immediately with water and soap.

Respiratory protection: do not breathe vapor / aerosol. Respiratory protection required in case of: aerosol or mist generation. Filter respirator with filter or ventilator type: A

Eye protection: It is recommended to wear splash goggles.

### 9. Physical and chemical properties

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#### 9.1 Information on physical and chemical properties

Appearance: liquid, viscous

Color: brown

Odor: sweet

pH-value: no data available

Melting point: no data available

Boiling point: no data available

Sublimation point: no data available

Softening point: no data available

Flash point: > 100 °C closed cup

Lower explosion limits: no data available

Upper explosion limits: no data available

Vapor pressure: no data available

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Density (at 20 °C): < 1,00 g/cm<sup>3</sup> pycnometer  
Water solubility: insoluble  
Solubility in other solvents: good soluble in fat phases  
Partition coefficient: no data available  
Vapor density: no data available  
Solvent content: 2 - 4 % Ethanol.

#### 9.2 Other information

None

### 10. Stability and reactivity

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#### 10.1 Responsiveness

No data available

#### 10.2 Chemical stability

No data available

#### 10.3 Possibility of dangerous reactions

No data available

#### 10.4 Conditions to avoid

Heat, open flame, sunlight.

#### 10.5 Incompatible materials

Oxidizing agents.

#### 10.6 Hazardous decomposition products

None – when carefully used.

Further information: no decomposition in the application field.

### 11. Toxicological information

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#### 11.1 Information on toxicological effects

Toxicokinetics, metabolism and distribution: no data available

Acute toxicity: According to our knowledge, the chemical, physical and toxicological properties have not been examined extensively.

Specific effects in experiment on an animal: no data available

Irritation and corrosivity: no data available

Sensitizing effects: no data available

Severe effects after repeated or prolonged exposure: no data available

Carcinogenic/mutagenic/toxic effects for reproduction: no data available

Additional information on tests: Frequently or prolonged contact with skin may cause dermal irritation.

Further information: Acute toxicity, irritation of the skin and mucous membrane, and mutagenic potential of the preparation assessed by the manufacturer on the basis of the data sheets available on the main components.

Information gaps exist on some of the main individual components. However, according to the experience of the manufacturer, no dangers above and beyond those on the product label are to be expected.

### 12. Ecological information

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#### 12.1 Toxicity

No data for ecological evaluation on hand.

Under appropriate use there are no ecological problems to expect.

#### 12.2 Persistence and degradability

No data available

#### 12.3 Bioaccumulation potential

No data available

#### 12.4 Ground mobility

No data available

#### 12.5 Results of PBT and vPvB assessment

No data available e

#### 12.6 Other adverse effects

No data available

Further information: no heavy metals and inorganic components

### 13. Disposal considerations

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#### 13.1 Waste treatment methods

Advice on disposal: in accordance with valid regulations

Waste disposal number of waste from residues/unused products: 160306 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; off-specification batches and unused products; organic wastes other than those mentioned in 16 03 05

Contaminated packaging: in accordance with valid regulations

### 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.

#### 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

Not a dangerous good in sense of the transport regulation.

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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

15.1 Regulations and legislation on health, safety and environment specific to the substance or mixture  
Not applicable.

15.2 Chemical safety assessment.  
No data available

## 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.

### DECLARATION OF ALLERGENS

7th Amendment to Directive 76/768/EC, annex III, part I (2003/15/EC)

I.N.C.I.	C.A.S.	%
Alpha-Hexyl cinnamic aldehyde (HCA)	101-86-0	-
Amyl cinnamic alcohol	101-85-9	-
Amyl cinnamic aldehyde (ACA)	122-40-7	-
Anisyl alcohol	105-13-5	-
Benzyl salicylate	118-58-1	-
Benzyl benzoate	120-51-4	-
Benzyl cinnamate	103-41-3	-

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Benzyl alcohol	100-51-6	-
Cinnamic alcohol	104-54-1	-
Cinnamic aldehyde	104-55-2	-
Citral	5392-40-5	-
Citronellol	106-22-9	-
Coumarin (2p-1-benzopyran-2-one)	91-64-5	-
d-Limonene	5989-27-5	-
Eugenol	97-53-0	-
Farnesol	4602-84-0	-
Geraniol	106-24-1	-
Lylal (Hydroxymethylpentyl cyclohexene carbaldoxaldehyde)	31906-04-4	-
Hydroxycitronellal	107-75-5	-
Isoeugenol	97-54-1	-
alpha-Iso-methyl ionone	127-51-5	-
Linalool	78-70-6	-
Methyl heptine carbonate	12/06/11	-
Oakmoss absolute	9000-50-4	-
p-tert-Butyl-alpha- methylhydrocinnamic aldehyde	80-54-6	-
Tree moss	68648-41-9	-

The substances listed are subject to declaration if concentration exceeds 0.001 % in leave-on and 0.01 % in rinse-off products.

Mean values are indicated according to available statistical data. Values < 0.01 % are not mentioned. This is not needed since the dose of extract in the cosmetic product is normally < 0.5 %, in any case however < 5 %.

#### 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.