



Material Safety Data Sheet

According to EU Regulation 1907/2006 in the current version

Date 01.06.2014

Version 1.0

LICORICE EXTRACT CO2

1. Identification of the substance/preparation and the company

Trade name: Licorice CO2 extract
Utilization: Raw material for cosmetic preparations
Supplier company identification: **Elemental SRL**, Piata Cazarmii no.15, 410188-Oradea, jud.Bihor, Romania
Tel/Fax: +40259-436.755, www.elemental.eu
Emergency: RO: numar national pentru cazuri de urgenta: 021 3183606 Institutul de Sanatate Publica Bucuresti. International emergency number: +49 180 2273-112

2. Hazards Identification

Classification of the substance or mixture

GHS classification: This mixture is not classified as dangerous according to Regulation (EC) No. 1272/2008.

Label elements

Additional advice on labelling: The product does not require special labelling according to the regulation 67/548/EEC.

Other hazards: Special skid risk by leaking/spilling product.

3. Composition / Information on ingredients

Mixtures

Chemical characterization:

INCI-name (CTFA): Glycyrrhiza Uralensis (Licorice) Root Extract and Caprylic/Capric Triglyceride

CAS-no. 73398-61-5; EC-no. (EINECS/ELINCS): 277-452-2

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

Further Information: no solvent residues

4. First Aid

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.

After inhalation: Provide fresh air.

After contact with skin: wash immediately with: Water and soap.

After contact with eyes: In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart.

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

5. Fire-fighting Measures

Extinguishing media

Suitable extinguishing media: foam, CO2, powder

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

Special hazards arising from the substance or mixture: formation of dangerous fumes possible

Advice for firefighters In case of fire: Wear self-contained breathing apparatus.

6. Accidental release measures:

Personal precautions, protective equipment 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 vapour, dust, and



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aerosols.

Environmental precautions: keep away from canalisation, waterway, groundwater

Methods and material for containment and cleaning up: Remove mechanically, placing in appropriate containers for disposal.

7. Handling and Storage

Precautions for safe handling:

Avoid contact with skin and eyes, concentrated extracts should not be swallowed. Wear splash goggles and oilresistent gloves. Do not breathe gas/fumes/vapour/spray. Keep away from sources of ignition - No smoking.

Conditions for safe storage, including any incompatibilities:

Requirements for storage rooms and vessels: no special measures necessary.

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

8. Exposure Controls and Personal Protection

Control parameters

Exposure controls



Protective and hygiene measures: remove contaminated clothes

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

Hand protection: wear oilresistant 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

Eye protection: wear splash goggles

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

9. Physical and Chemical Properties

Information on basic physical and chemical properties:

Physical state: liquid, viscous

Colour: brown

Odour: sweet

pH: 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

Vapour pressure: no data available

Density (at 20 °C): < 1,00 g/cm³ pycnometer

Water solubility: insoluble

Solubility in other solvents: good soluble in fat phases

Partition coefficient: no data available

Vapour density: no data available

Solvent content: 2 - 4 % Ethanol

10. Stability and Reactivity



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Conditions to avoid: heat, open flame, sun light

Incompatible materials: Oxidizing agents.

Hazardous decomposition products: none - when carefully used

Further information: no decomposition in the application field

11. Toxicological Information

Information on toxicological effects

Toxicocinetics, 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

Sensitising 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

Toxicity: No data for ecological evaluation on hand. Under appropriate use there are no ecological problems to expect.

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

Results of PBT and vPvB assessment: no data available

13. Disposal Considerations

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

It is not classified as a dangerous substance for transport.

14.1 UN number: ADR/RID: - IMDG: - IATA: -

14.2 UN proper shipping name

ADR/RID: Not dangerous goods. IMDG: Not dangerous goods. IATA: Not dangerous goods

14.3 Transport hazard class(es)

ADR/RID: - IMDG: - IATA: -



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14.4 Packaging group

ADR/RID: - IMDG: - IATA: -

14.5 Environmental hazards

ADR/RID: no IMDG Marine pollutant: no IATA: no

14.6 Special precautions for user: no data available

15. Additional Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture:

EU regulatory information

16. Other Information

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.

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.