



Material Safety Data Sheet
According to EU Regulation 1907/2006 in the current version

Date 10.07.2015
Version 3.0

ARNICA CO2 EXTRACT

1. Identification of the substance/preparation and trade name

Trade name: Arnica CO2 extract
Utilization: raw material for cosmetic products
Company identification: **Elemental SRL**, Piata Cazarmii no.15, 410188-Oradea, 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

Indications of danger : Harmful

R-phrases: Harmful if swallowed.

GHS classification

Hazard categories: Acute toxicity: Acute Tox. 4

Hazard Statements: Harmful if swallowed.

Label elements

Signal word: Warning



Pictograms: GHS07

Hazardous components which must be listed on the label: Arnica montana, ext.

Hazard statements: H302 Harmful if swallowed.

Precautionary statements: P264 Wash hands thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. P330 Rinse mouth.

3. Composition / Information on ingredients

Mixtures. Chemical characterization:

INCI Name (CTFA): Helianthus Annuus (Sunflower) Seed Oil, CAS-no. 8001-21-6 EC-no. (EINECS/ELINCS): 232-273-9
and Arnica Montana (Arnica) Flower Extract, CAS-no. 68990-11-4 EC-no. (EINECS/ELINCS): 273-579-2

Essential oil content: 0,2 - 0,4 %

Triterpenediol Esters: 2,0 - 4,5 %

Total content of sesquiterpene lactones: 3,5 - 4,5 %

Helenalin: < 0,02 %

Hazardous components:

273-579-2 Arnica montana, ext. 30 - 50 %

68990-11-4 Xn R22 Acute Tox. 4; H302

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: After contact with skin, wash immediately with: Water and soap. Seek medical attention if



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problems persist.

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

Suitable extinguishing media:	Foam, dry chemical powder, carbon dioxide, sand or earth
Unsuitable extinguishing	Direct waterjet
Special hazards arising	Formation of dangerous fumes possible
Fire and explosion protection	Avoid open flames. Toxic vapours must be avoided during fire. Respiratory protection should be released during fire.
Other information	In case of fire: Wear self-contained breathing apparatus.

6. Accidental release measures:

Personal precautions:	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 aerosols.
Environmental precautions	Shut off source. Prevent product from entering sewerage, water courses or low lying areas. Take measures to reduce or prevent effects on ground water.
Land spill:	Gather product mechanically if possible. Bind remainings of the product with sand or other appropriate absorbent and remove. Dispose of product and contaminated absorbents in suitable containers, as directed in section 13.
Water spill:	Confine the spill immediately with booms. Warn other ships. Notify port and other relevant authorities. Remove from the surface by skimming or with suitable absorbents. In running waters, apply appropriate dispersants in accordance with local regulation.
Methods for cleaning up:	Suck up with oil binding media. 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.
Conditions for safe storage:	Keep dark and dry, avoid heat, store in tightly closed container.

8. Exposure Controls and Personal Protection

Respiratory protection:	Do not breathe vapour / aerosol. Respiratory protection required in case of: aerosol or mist generation.
Hand protection:	Use protective gloves. After contact with skin, wash immediately with water and soap.
Eye protection:	Avoid contact with eyes. Use eye protectors designed to protect against liquid splashes Before handling, wear safety goggles in accordance with standard EN166.
Physical protection:	Use individual protective equipment





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9. Physical and Chemical Properties

Appearance:	liquid oil, viscous
Colour:	dark brown
Odour:	typical
Flash point:	> +100°C (closed cup)
Density:	< 1,00 g/cm ³
Solubility(ies):	insoluble in water; miscible with oils and fats
Solvent content:	no solvent residues

10. Stability and Reactivity

Stability:	Stable product
Reactivity:	This product is stable to shock, vibration and pressure under normal conditions of use. In the presence of light and heat, oxidation can occur.
Conditions to avoid:	Do not heat to high temperature. Avoid open flame and sunlight.
Substances to avoid:	Avoid contacts with strong acids, alkali or oxidizing agents.
Hazardous decomposition:	None, when carefully used

11. Toxicological Information

Information on toxicological effects:

Toxicokinetics, metabolism and distribution: according to our knowledge, the chemical, physical and toxicological properties have not been examined extensively.

Acute toxicity:

Acute oral toxicity: Arnica montana, ext. CAS No 68990-11-4, Dose 500 mg/kg

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 of pure product 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

Bio accumulative potential: No data available. Mobility in soil: No data available

Results of PBT and vPvB assessment: no data available.

Further information: No heavy metals and inorganic components.



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13. Disposal Considerations

Recommendation: In accordance with local environmental laws. Avoid disposing into drainage systems and into the environment. Disposal of contaminated packaging in accordance with valid regulations.

14. Transport Information

UN no: no
Road (ADR/RID): no dangerous good in the sense of the transport regulations
Air (IATA/ICAO): no dangerous good in the sense of the transport regulations
Sea (IMDG): no dangerous good in the sense of the transport regulations

15. Additional Regulatory Information

Regulations specific for the substance or mixture: not available data. Water contaminating class (D): 1 - slightly water contaminating. Chemical safety assessment: not available data

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.