



Version 09.05.2019

Material Safety Data Sheet

According to EU Regulation 1907/2006 in the current version

SCHISANDRA CO2 EXTRACT

1. Identification of the substance/preparation and the company

Trade name:	Schisandra CO2 extract
Utilisation:	Raw material for cosmetics
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

This substance is not classified as dangerous according to Directive 67/548/EEC.

No risks worthy of mention. Please observe the information on the safety data sheet at all times.

Explication of special hazards for human health and environment

Special skid risk by leaking/spilling product.

3. Composition / Information on ingredients

Chemical characterization

INCI-Name (CTFA): Schizandra Sphenanthera (Schisandra) Fruit Extract

essential oil content 18 - 23 %

contains: Fatty oil with gamma-linolenic acid [CAS-no. 463-40-1]

high concentration of unsaponifiables with muurolene, caryophyllene [CAS-no. 87-44-5], himachalene,

santalol [CAS-no. 11031-45-1], schisandrin A, gomisin O

Further Information: no solvent residues

4. First Aid

In the event of skin contact: Take off contaminated clothing. Wash immediately with soap and plenty of water. If irritation, get medical advice.

In the event of eye contact: Flush immediately with plenty of flowing water for at least 10 minutes, holding eyelids apart. Consult an ophthalmologist.

In the event of ingestion: I swallowed, rinse mouth with water. DO NOT induce vomiting. Get medical advice, showing label information.

In the event of excessive inhalation: Move the victim to fresh air. In case of breathing difficulty, seek medical advice

5. Fire-fighting Measures

5.1 Extinguishing media

Recommended : foam, dry powder, carbon dioxide (CO₂). Inadvisable : avoid full water jet.

5.2 Special hazards

In case of fire, toxic fumes like carbon monoxide and carbon dioxide may be liberated. Burning produces smoke, do not inhale fumes.

5.3 Particular protective measures

Particular protective measures when fire-fighting: The pressure in the closed containers may increase with high temperature. Cool the endangered drums by water spraying or by an appropriate produce if water is not authorized.

5.4 Advice for firefighters

Move undamaged containers from immediate hazard area if it can be done safely. Use suitable breathing apparatus. Regard to self protection.



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6. Accidental release measures:

6.1 Individual precautions

Remove all sources of ignition (Avoid all flammable sources. Do not smoke.) Provide adequate ventilation. Give a warning to people in the hazardous area. Wear personal protection equipment. Avoid contact with skin, eyes, and clothing.

6.2 Precautions for environmental conservation

Stop the substance to enter into drains and groundwater. Prevent spreading over a wide area.

6.3 Cleaning methods

Limit the dispersion of the product. Absorb the liquid with an inert absorbent, such as oil or sand. Wash with a grease extractor. Get rid of the duster and sponges used, according to local regulations.

7. Handling and Storage

7.1 Handling

Advice on safe handling: Avoid contact with skin and eyes, concentrated extracts should not be swallowed.

Wear splash goggles and oilresistent gloves

7.2 Storage

Requirements for storage rooms and vessels: no special measures necessary

Further information on storage conditions: keep dark and dry, avoid heat

Storage class (VCI): 10

8. Exposure Controls and Personal Protection

8.1 Control parameters

No data available.



8.2 Exposure controls

Use in well ventilated areas. Follow usual hygiene rules. Wash hands after handling the product. Keep away from food and beverages. Provide accessible fire-extinguisher.

Respiratory protection: Generally unnecessary in a well-ventillated area. If ventilation is insufficient, respiratory protection must be worn. For pulverulent products, the wearing of a mask is recommended.

Hand protection: The wearing of chemical solvent and acid resistant gloves is necessary. (according to EN374 regulation).

Eye protection: The wearing of adequate safety glasses is advised. Prescription glasses do not qualify as safety glasses.

Contact lenses users should wear prescription and safety glasses while using the product.

Skin protection: Wear personal safety equipment. Handle the product with care, avoiding skin contact.

9. Physical and Chemical Properties

9.1 General information

Physical state: liquid oil

Colour: brown

Odour: weak aromatic

9.2 Health, security and environmental information

pH value: not applicable

Flash point: > 100 °C °C method Abel-Pensky

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

Water solubility: (at 20 °C) insoluble

Solubility in other solvents: good soluble in fat phases



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Solvent content: no solvent residues

10. Stability and Reactivity**10.1 Condition to avoid**

Excessive heat, open flames or other sources of ignition. This product is stable at room temperature.

10.2 Material to avoid or incompatible: strong acids, alkali or oxidizing agents**10.3 Dangerous decomposition products**

No dangerous decomposition product known, if used according to specifications.

11. Toxicological Information**Acute toxicity**

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

Empirical data on effects on humans: Frequently or prolonged contact with skin may cause dermal irritation.

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

Avoid any pollution of soil, ground and surface waters. Biodegradability not determined.

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

Further information: no heavy metals and inorganic components

13. Disposal Considerations

Dispose of or recycle waste material in accordance with local and EC environmental regulations.

Air emission : avoid. Wastewater disposal : avoid. Release into natural environment: avoid

Contaminated packaging: in accordance with valid regulations

14. Transport Information

Transport : no dangerous good in the sense of the transport regulations

15. Additional Regulatory Information**Labelling**

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

National regulatory information

Water contaminating class (D): 1 - slightly water contaminating



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16. Other Information

DECLARATION OF ALLERGENS

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

INCI Name	CAS No	Typical Contents in %
2-(TERT-BUTYL PROPIONALDE) (Lilial)	80-54-6	0
3-METHYL-4-(2,6,6 TRIMETHYL-2-CYCLOHEXINE-1-YL)-3-BUTEN-2-ONE	127-51-5	0
AMYL CINNAMAL	122-40-7	0
AMYL CINNAMYL ALCOHOL	101-85-9	0
ANISYL ALCOHOL (Anise alcohol)	105-13-5	0
BENZYL ALCOHOL	100-51-6	0
BENZYL BENZOATE	120-51-4	0
BENZYL CINNAMATE	103-41-3	0
BENZYL SALICYLATE	118-58-1	0
CINNAMAL (Cinnamic Aldehyde)	104-55-2	0
CINNAMYL ALCOHOL	104-51-6	0
CITRAL	5392-40-5	0
CITRONELLOL	106-22-9	0
COUMARIN	91-64-5	0
LIMONENE	5989-27-5	0
EUGENOL	97-53-0	0
FARNESOL	4602-84-0	0
GERANIOL	106-24-1	0
HEXYL CINNAMIC ALDEHYDE (Hexyl Cinnamal)	101-86-0	0
HYDROXYCITRONELLAL	107-75-5	0
HYDROXYMETHYL PENTYL CYCLOHEXENE CARBOXALDEHYDE (Lyrall)	31906-04-4	0
ISO EUGENOL	97-54-1	0
LINALOOL	78-70-6	0
METHYL HEPTINE CARBONATE	111-12-6	0
OAK MOSS EXTRACT (Evernia Prunastri)	90028-68-5	0
TREE MOSS EXTRACT (Evernia Furfuracea)	90028-67-4	0

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.