



Version 18.05.2018

Material Safety Data Sheet

According to EU Regulation 1907/2006 in the current version

CAROTENE CONCENTRATE, ORGANIC

1. Identification of the substance/preparation and the company

Trade name:	Carotene concentrate, organic Daucus carota - roots, dried, from organic farming, by supercritical fluid extraction with natural carbon dioxide, no solvent residues. The extract is standardized with organic jojoba oil and stabilized with natural organic rosemary antioxidant.
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

2.1. Classification of the substance or mixture

This substance is not classified as hazardous in accordance with Directive 67/548/EEC.

Classification according to Regulation (EC) No. 1272/2008 [CLP]

This substance is not classified as hazardous in accordance with Regulation (EC) No. 1272/2008.

2.2. Label elements

Additional advice on labelling

According to EC directives or the corresponding national regulations there is no labelling obligation for this product.

2.3. Other hazards

Special skid risk by leaking/spilling product.

3. Composition / Information on ingredients

3.1. Substances --

3.2. Mixtures

INCI-Name (CTFA): Simmondsia Chinensis (Jojoba) Seed Oil, CAS-No. 90045-98-0 and Daucus Carota (Carrot) Root Extract, CAS-No. 84929-61-3, EINECS-No. 284-545-1 and Rosmarinus Officinalis (Rosemary) Leaf Extract, CAS-No. 84604-14-8, EINECS-No. 283-291-9 (les sthan or equal to 0,1 %).

Further Information: no solvent residues

4. First Aid

4.1. Description of first aid measures

General information: Seek medical attention if problems persist.

After inhalation: Provide fresh air.

After contact with skin: Gently wash with plenty of soap and water.

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.

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

No data available

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

No data available

5. Fire-fighting Measures

5.1. Extinguishing media



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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
formation of dangerous fumes possible

5.3. Advice for firefighters

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

6. Accidental release measures:

6.1. Personal precautions, protective equipment and emergency procedures

Do not breathe gas/vapour/spray.

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

6.2. Environmental precautions

Do not empty into drains or the aquatic environment.

6.3. Methods and material for containment and cleaning up

Remove mechanically, placing in appropriate containers for disposal.

7. Handling and Storage

7.1. Precautions for safe 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. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Store in a well-ventilated place. Keep container tightly closed.

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

8. Exposure Controls and Personal Protection

8.1. Control parameters

8.2. Exposure controls

Protective and hygiene measures: remove contaminated clothes

Respiratory protection: do not breathe vapour / aerosol

Hand protection: The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Eye protection: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection: wear clothing as usual in chemical industry



9. Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Physical state: liquid oil

Colour: dark red

Odour: characteristic

pH-Value: no data available

Changes in the physical state

Melting point: No data available

Initial boiling point and boiling range: No data available



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Sublimation point:	No data available
Softening point:	No data available
Flash point:	> 65 °C closed cup
Flammability	
Solid:	No data available
Gas:	No data available
Explosive properties	
Lower explosion limits:	No data available
Upper explosion limits:	No data available
Ignition temperature:	No data available
Auto-ignition temperature	
Solid:	No data available
Gas:	No data available
Vapour pressure:	No data available
Vapour pressure:	No data available
Density:	< 1,00 g/cm ³ pycnometer
Bulk density:	No data available
Water solubility:	insoluble
Solubility in other solvents	good soluble in fat phases
Partition coefficient:	No data available
Viscosity / dynamic:	No data available
Viscosity / kinematic:	No data available
Flow time:	No data available
Vapour density:	No data available
Evaporation rate:	No data available
Solvent content:	no solvent residues
9.2. Other information --	

10. Stability and Reactivity

- 10.1. Reactivity: No data available
 - 10.2. Chemical stability: No data available
 - 10.3. Possibility of hazardous reactions: No data available
 - 10.4. Conditions to avoid: heat, open flame, sun light
 - 10.5. Incompatible materials: No data available
 - 10.6. Hazardous decomposition products: none - when carefully used
- Further information: no decomposition in the application field

11. Toxicological Information

11.1. Information on toxicological effects

Acute toxicity

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

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

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.



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Empirical data on effects on humans: No data available

12. Ecological Information

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. Bioaccumulative potential: No data available

12.4. Mobility in soil: No data available

12.5. Results of PBT and vPvB assessment: No data available

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

Waste destruction: in accordance with valid regulations

14. Transport Information

Land transport (ADR/RID)

14.1. UN number: No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.

14.4. Packing group: No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

14.1. UN number: No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.

14.4. Packing group: No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

14.1. UN number: No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.

14.4. Packing group: No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number: No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.

14.4. Packing group: No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No dangerous good in sense of this transport regulation.

Other applicable information: no dangerous good in the sense of the transport regulations



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15. Additional Regulatory Information

Regulations specific for the substance or mixture: not available data

Chemical safety assessment: not available data

16. Other Information

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)

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



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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.