



Material safety data sheet

According to EU Regulation 1907/2006 in the current version

CHILI CO2 EXTRACT

1. Identification of the substance/mixture and company

Trade name:	Chili CO2 extract Natural product obtained by supercritical fluid extraction with natural carbon dioxide, no solvent residues, no inorganic salts, no heavy metals, no reproducible microorganisms, standardized by addition of organic sunflower oil.
I.N.C.I.	Capsicum Frutescens fruit extract
CAS No. :	85940-30-3
EINESCS No. :	288-920-0
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

Classification according to Directive 67/548/EEC or 1999/45/EC

Indications of danger: Xn - Harmful

R phrases:

- Harmful if swallowed.
- May cause sensitisation by inhalation and skin contact.

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

Hazard categories:

- Respiratory/skin sensitization: Resp. Sens. 1
- Respiratory/skin sensitization: Skin Sens. 1

Hazard Statements:

H317 – May cause an allergic skin reaction.

H334 – May cause allergy or asthma symptoms or breathing difficulties if inhaled.

2.2 Label elements

Hazardous components which must be listed on the label: Capsicum frutescens, ext.

Signal word: Danger

Pictograms: GHS08

Hazard pictograms:



Hazard statement:

H317 – May cause an allergic skin reaction.



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H334 – May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Precautionary statement:

P261 – Avoid breathing dust/fume/gas/mist/vapors/spray.

P280 – Wear protective gloves/protective clothing/eye protection/face protection.

P302 + P352 – IF ON SKIN: Wash with plenty of soap and water.

P333+P313 – If skin irritation or rash occurs: Get medical advice/attention.

P342+P311 – If experiencing respiratory symptoms: Call a POISON CENTER/doctor

Special instructions: none

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	Hazard symbols	Percent %
Capsicum frutescens, ext	85940-30-3	288-920-0	H334, H317	> 80 %
Helianthus Annuus Seed Oi	8001-21-6	232-273-9	-	< 20 %

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: After contact with skin, wash immediately with: water and soap. Seek medical attention if problems persist.

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

In case of inhalation: Provide 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

5.1 Means of extinction

Suitable extinguishing media: foam, carbon dioxide (CO₂), powder

Unsuitable extinguishing media: water stream



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5.2 Special hazards arising from the substance or mixture

Formation of dangerous fumes possible.

5.3 Recommendations for fire-fighters

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

6. Accidental release measures

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

Keep away from canalization, waterway, groundwater.

6.3 Methods and materials for containment and remediation

Absorb with oil binding media. 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

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 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 measures necessary

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

7.3 Specific end uses

None

8. Exposure controls / personal protection

8.1 Control parameters

There are no specific control parameters.



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8.2 Exposure controls



Protective and hygiene measures: Remove contaminated clothes.

Hand protection: 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: Wear splash goggles.

9. Physical and chemical properties

9.1 Information on physical and chemical properties

Appearance: clear oil

Color: dark red

Odor: hot, 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

Sublimation point: no data available

Softening point: no data available

Pour point: no data available

Flash point: > 100 °C closed cup

Flammability

Solid: no data available

Gas: no data available

Explosive properties: no data available

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

Decomposition temperature: no data available

Oxidizing properties: no data available

Vapor pressure: no data available

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

Bulk density: no data available

Water solubility: insoluble

Solubility in other solvents: good soluble in fat phases



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Partition coefficient: no data available
Viscosity / dynamic: no data available
Viscosity / kinematic: no data available
Flow time: no data available
Vapor density: no data available
Evaporation rate: no data available
Solvent separation test: no data available
Solvent content: no solvent residues

9.2 Other information

Solid content: no data available

10. Stability and reactivity

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, sun light.

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

11.1 Information on toxicological effects

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

Irritation and corrosivity: Irritating to eyes, respiratory system and skin, strong irritant effect.

Sensitizing effects: no data available

Severe effects after repeated or prolonged exposure: no data available

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

Specific effects in experiment on an animal: no data available

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

12.6 Other adverse effects

No data available

Further information: no heavy metals and inorganic components

13. Disposal considerations

13.1 Waste treatment methods

Advice on disposal: in accordance with valid regulations

Waste disposal number of waste from residues/unused products: 160305 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; off-specification batches and unused products; organic wastes containing dangerous substances.

Classified as hazardous waste.

Contaminated packaging: in accordance with valid regulations

14. Transport information

14.1 UN number

ADR: No dangerous good in sense of this transport regulation.

IMDG: No dangerous good in sense of this transport regulation.

IATA: No dangerous good in sense of this transport regulation.

14.2 UN shipping name

ADR: No dangerous good in sense of this transport regulation.

IMDG: No dangerous good in sense of this transport regulation.

IATA: No dangerous good in sense of this transport regulation.

14.3 Class of danger for transport

ADR: No dangerous good in sense of this transport regulation.

IMDG: No dangerous good in sense of this transport regulation.

IATA: No dangerous good in sense of this transport regulation.

14.4 Packing group

ADR: No dangerous good in sense of this transport regulation.

IMDG: No dangerous good in sense of this transport regulation.

IATA: No dangerous good in sense of this transport regulation.



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14.5 Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6 Special precautions for users

No data available

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

No data available

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

15. Regulatory information

15.1 Regulations and legislation on health, safety and environment specific to the substance or mixture

National regulatory information

Employment restrictions: Observe employment restrictions for young people. Observe employment restrictions for child bearing mothers and nursing.

Water contaminating class (D): 2 - water contaminating

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.

16.2 Full text of the H phrases mentioned in point 3:

H317 – May cause an allergic skin reaction.

H334 – May cause allergy or asthma symptoms or breathing difficulties if inhaled.



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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.