



Marigold flower CO2 extract

SECTION 1: Identification of the substance/preparation and of the company/undertaking

Identification of the substance or preparation

Marigold flower extract

Use of the substance/preparation

Raw material for personale care, cosmetic preparations

Company/undertaking identification

Company name :	Elemental SRL
Street :	Piata Cazarmii 15
Place :	410188 Oradea
Telephone :	+40 259 436755
e-mail :	office@elemental.eu
Internet :	www.elemental.eu
Emergency telephone :	RO: numar national pentru cazuri de urgenta: 021 3183606 Institutul de Sanatate Publica International emergency number: +49 180 2273-112

Further Information

REACH: Calendula Officinalis Extract, Pre-Registration-no.: 05-2116464325-45-0000

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

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

This substance is not classified as hazardous according to Regulation (EC) No. 1272/2008.

2.2. Label elements

Additional advice on labelling

According to the regulation 1999/45/EG or appendix VI to the regulation 67/548/EEC the preparation requires no special marking.

2.3. Other hazards

Special skid risk by leaking/spilling product.

SECTION 3: Composition/information on ingredients

3.1. Substances

Chemical characterization

INCI Name (CTFA): Calendula Officinalis (Marigold) Flower Extract, CAS-no. 84776-23-8 EC-no.
(EINECS/ELINCS): 283-949-5

Total content of: carotenoids 0,85 - 1,2 %
faradiol esters 17 - 25 %

Further Information

no solvent residues

SECTION 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.

After inhalation

Provide fresh air.

After contact with skin

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

SECTION 5: Firefighting measures**5.1. Extinguishing media****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.

Additional information

none

SECTION 6: Accidental release measures**6.1. 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 aerosols.

6.2. Environmental precautions

Do not empty into drains or the aquatic environment.

6.3. Methods and material for containment and cleaning up

suck up with oil binding media. Remove mechanically, placing in appropriate containers for disposal.

SECTION 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
Do not breathe gas/fumes/vapour/spray.

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

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls

Protective and hygiene measures

remove contaminated clothes

Respiratory protection

do not breathe vapour / aerosol Respiratory protection 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

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 remove contaminated clothes. After contact with skin, wash immediately with: Water and soap

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Paste	
Colour:	red - brown	
Odour:	characteristic	Test method
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



Material Safety Datasheet

according to Regulation (EU) No. 1907/2006

Version: 09.05.2019

Softening 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

Vapour pressure: no data available

Vapour 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

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

SECTION 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

SECTION 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.

Empirical data on effects on humans

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.

SECTION 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

SECTION 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

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

SECTION 14: Transport information

Land transport (ADR/RID)

<u>14.1. UN number:</u>	No dangerous good in sense of this transport regulation.
<u>14.2. UN proper shipping name:</u>	No dangerous good in sense of this transport regulation.
<u>14.3. Transport hazard class(es):</u>	No dangerous good in sense of this transport regulation.
<u>14.4. Packing group:</u>	No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

<u>14.1. UN number:</u>	No dangerous good in sense of this transport regulation.
<u>14.2. UN proper shipping name:</u>	No dangerous good in sense of this transport regulation.
<u>14.3. Transport hazard class(es):</u>	No dangerous good in sense of this transport regulation.
<u>14.4. Packing group:</u>	No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

<u>14.1. UN number:</u>	No dangerous good in sense of this transport regulation.
<u>14.2. UN proper shipping name:</u>	No dangerous good in sense of this transport regulation.
<u>14.3. Transport hazard class(es):</u>	No dangerous good in sense of this transport regulation.
<u>14.4. Packing group:</u>	No dangerous good in sense of this transport regulation.

Air transport (ICAO)

<u>14.1. UN number:</u>	No dangerous good in sense of this transport regulation.
<u>14.2. UN proper shipping name:</u>	No dangerous good in sense of this transport regulation.
<u>14.3. Transport hazard class(es):</u>	No dangerous good in sense of this transport regulation.
<u>14.4. Packing group:</u>	No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

SECTION 15: Regulatory information

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

National regulatory information

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

SECTION 16: Other information

Further Information

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.

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 CARBOXYALDEHYDE (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