



## Material Safety Data Sheet

According to EU Regulation 1907/2006 in the current version

Date 08.10.2016

Version 1.0

### MACA ROOT EXTRACT

#### 1. Identification of the substance/preparation and the company

Trade name: Maca extract  
Utilization: Concentrated extract, raw material for cosmetic preparations  
Supplier company: **Elemental SRL**, Piata Cazarmii no.15, 410188-Oradea, jud.Bihor, Romania  
identification: Tel/Fax: +40259-436.755, [www.elemental.eu](http://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:

The product does not need to be labelled in accordance with regulation (CE) 1907/2006 - 1999/45 with their modifications and adaptations on classification, packaging and labelling of dangerous substances.

2. 2. EC number: Not applicable.

2. 3. Label elements (R - S):

2. 3. 1. Symbol(s): None according to the regulation (EC) No 1907/2006 - 1999/45 with their modifications and adaptations.

2. 3. 2. R-phrase(s): None according to the regulation (EC) No 1907/2006 - 1999/45 with their modifications and adaptations.

2. 3. 3. S-phrase(s): None according to the regulation (EC) No 1907/2006 - 1999/45 with their modifications and adaptations.

2. 4. Most important hazards: none

2. 5. Other hazards: In the event of contact with the skin, slight irritation possible following prolonged contact. In the event of contact with the eyes: irritation, in particular in the event of prolonged contact.

#### 3. Composition / Information on ingredients

3.1.Substance: Not applicable

3.2.Mixture

Comments : Glycerol Extract obtained from Maca roots.

Botanical name : *Lepidium meyenii* Walp.

Part of plant used : root

3. 1. Component(s) contributing to the hazard: none

#### 4. First Aid

4.1. Description of first aid measures

First-aid measures general : If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation : If any vapours are inhaled, remove the victim to the fresh air and keep at rest.

Consult a doctor if respiratory symptoms appear or persist.

First-aid measures after skin contact : Wash with plenty of soap and water. Seek medical advice if an irritation appears.

First-aid measures after eye contact : Rinse carefully with plenty of water with the eyelids held wide open. Seek an eye specialist's advice if an irritation appears.

First-aid measures after ingestion : If the person is conscious, rinse mouth with water. Do not induce vomiting without seeking medical advice. Call a doctor.

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

Chronic symptoms : See Section 2



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

No information / data available.

### 5. Fire-fighting Measures

#### 5.1. Extinguishing media

Suitable extinguishing media : Water spray with additives, chemical powder, chemical foam, carbon dioxide extinguisher. Unsuitable extinguishing media : Solid water jet.

#### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in the event of fire: If exposed to high temperatures, the product may release hazardous decomposition products such as carbon monoxide and carbon dioxide.

#### 5.3. Advice for firefighters

Protection in the event of a fire : Do not enter the danger zone without suitable chemical protection clothing and self-contained breathing apparatus.

Other information : Packaging exposed to heat or open flames should be cooled with a fine water spray. Prevent fire-fighting water from entering wastewater.

### 6. Accidental release measures:

#### 6. 1. Personal precautions, protective equipment and emergency procedures:

Concerning personal protective equipment to use, see section 8.

6. 2. Environmental precautions: Dike and contain spill. Prevent product from entering drains. Concerning disposal elimination after cleaning, see section 13.

#### 6. 3. Methods and material for containment and cleaning up:

Suitable advice concerning the containment of a spill; the following containment methods can be envisioned :

- To limit the production of dust or vapour : cover the product with absorbent granules (inert, non-flammable and non-combustible).

- In case of large spreadings : install a protective enclosure, cover the sewers. Collect the absorbent/product mixture and put it in compatible packagings for subsequent elimination in accordance with the regulations in force. In case of large spreading, inform the competent authorities when the situation cannot be rapidly and effectively controlled. The absorbent/product mixture shall be handled with the same precautions as for the product itself. To clean: wash the contaminated area making sure not to contaminate the natural environment.

During the cleaning operations, continue to abide by the handling precautions.

6. 4. Reference to other sections: For information on handling, see section 7. For information on personal protective equipment. see section 8. For information on disposal. see section 13.

### 7. Handling and Storage

#### 7.1. Precautions for safe handling

Additional hazards when processed : Ensure adequate ventilation.

Precautions for safe handling : Avoid contact with skin and eyes.

Hygiene measures : Use personal protective equipment (appropriate gloves, splash goggles, suitable work clothing) in accordance with industrial hygiene best practices (see section 8).

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : - Conditions for storing the product in safety: Store in its original packaging, closed and in a dry and well ventilated area. Avoid extreme temperatures (heat and cold).

- For more details on storage conditions to ensure product quality: Refer to the data sheet.

Incompatible products : Oxidizing agent. Strong acids. Strong bases.

7.3. Specific end use(s): No data / information available.



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#### 8. Exposure Controls and Personal Protection

##### 8. 1. Control parameters:

8. 1. 1. Exposure limit(s): France: Glycerol (56-81-5). Aerololes of Glycerol VME (mg/m<sup>3</sup>) 10 mg/m<sup>3</sup>

##### 8. 2. Exposure controls:

8. 2. 1. Respiratory protection: No personal breathing protective equipment is normally required. In the event of insufficient ventilation, wear suitable respiratory equipment. Mask with gasvapours / dust filter type A/P2 (according to standard EN 141/EN143).

8. 2. 2. Hand protection: Wear suitable gloves (natural rubber gloves., Latex gloves, PVC, nitrile or other plastic material gloves) in accordance with standard EN374.



8. 2. 3. Skin and body protection: protective clothing

8. 2. 4. Eye protection: Eye protection designed to protect against liquid splashes should be worn, according to standard EN 166.

8. 2. 5. Environmental exposure controls : Avoid release into natural bodies of water, sewage water or the soil.

8. 2. 6. Consumer exposure controls : If on skin, take off contaminated clothing.

8. 2. 7. Other information : Do not eat. drink or smoke in the workolace under anv circumstances.

#### 9. Physical and Chemical Properties

##### 9. 1. Information on basic physical and chemical properties:

9. 1. 1. Appearance: Clear liquid

9. 1. 2. Colour: yellow to orange

9. 1. 3. Odour: characteristic

9. 1. 4. pH: Not determined.

9. 1. 5. Boiling point/range: Not determined.

9. 1. 6. Flash point: > 100°C

9. 1. 7. Explosion limits: Not determined.

9. 1. 8. Specific gravity: 1.198-1.324 (20°C)

##### 9. 2. Other information:

9. 2. 1. Water solubility: Yes

9. 2. 2. Fat solubility: No

#### 10. Stability and Reactivity

##### 10.1. Reactivity

Reactivity relating to the substances, containers and contaminants to which the substance or mixture may be exposed during their transport, storage and use : No data available.

##### 10.2. Chemical stability

The product is stable in normal conditions of use. Stability of the substance or mixture under normal and predictable storage and handling room conditions in terms of temperature and pressure : Chemically stable under standard room conditions (room temperature).

##### 10.3. Possibility of hazardous reactions

Reaction or polymerisation of the substance or mixture releasing excessive heat or pressure or generating other dangerous conditions : This product will not polymerise by releasing excessive heat or pressure or by generating other dangerous conditions. (See section 10.1 for reactivity which can generate risks by taking into account the substances, containers and contaminants to which the substance or mixture may be exposed during their transport, storage and use.).

##### 10.4. Conditions to avoid

Listing of conditions such as temperature, pressure, light, shocks, electrostatic discharges, vibrations or other physical stresses which may lead to a dangerous situation : According to our knowledge. temperature. pressure. light. shocks.



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etc. do not lead to a dangerous situation. Keep away from open flames, hot surfaces and ignition sources.

#### 10.5. Incompatible materials

Families of substances or mixtures, or specific substances, such as water, air, acids, bases, oxidising agents, with which the substance or mixture may react by generating a dangerous situation : Strong oxidising agents, strong acids and strong bases.

#### 10.6. Hazardous decomposition products

Known dangerous decomposition products and products which may be reasonably predictable as such following use, storage, pouring and heating : This product does not decompose under normal conditions. Decomposition products in case of fire : consult section 5.2.

## 11. Toxicological Information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

To the best of our knowledge (and taking into account its composition) this product is not classified in this hazard category.

Skin corrosion/irritation : Not classified

To the best of our knowledge (and taking into account its composition) this product is not classified in this hazard category.

Serious eye damage/irritation : Not classified

To the best of our knowledge (and taking into account its composition) this product is not classified in this hazard category.

Respiratory or skin sensitisation : Not classified

To the best of our knowledge (and taking into account its composition) this product is not classified in this hazard category.

Germ cell mutagenicity : Not classified

To the best of our knowledge (and taking into account its composition) this product is not classified in this hazard category.

Carcinogenicity : Not classified

To the best of our knowledge (and taking into account its composition) this product is not classified in this hazard category.

Reproductive toxicity : Not classified

To the best of our knowledge (and taking into account its composition) this product is not classified in this hazard category.

Specific target organ toxicity (single exposure) : Not classified

To the best of our knowledge (and taking into account its composition) this product is not classified in this hazard category.

Specific target organ toxicity (repeated exposure): Not classified

To the best of our knowledge (and taking into account its composition) this product is not classified in this hazard category.

Aspiration hazard : Not classified

To the best of our knowledge (and taking into account its composition) this product is not classified in this hazard category.

Information on the likely routes of exposure :

Dermal contact : In the event of contact with the skin: slight irritation possible following prolonged contact.

Eyes contact : Contact with the eyes: slight irritation is possible, particularly in the event of prolonged contact.

Inhalation : No data available.



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### 12. Ecological Information

#### 12.1. Toxicity

Ecology - general : To the best of our knowledge, no study has been carried out on this natural extract for the moment.

12.2. Persistence and degradability: No additional information available

12.3. Bioaccumulative potential: No additional information available

12.4. Mobility in soil: No additional information available

12.5. Results of PBT and vPvB assessment: No additional information available

12.6. Other adverse effects

Additional information : The extract contains concentrated natural substances. Release or runoff into the environment should be avoided.

### 13. Disposal Considerations

13. 1. Waste treatment methods: Collect all waste in suitable and labelled containers and dispose according to local legislation.

13. 2. Contaminated packaging: Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act.

### 14. Transport Information

14.1 UN number ADR/RID: - IMDG: - IATA: - Not regulated for transport

14.2 UN proper shipping name

ADR/RID: Not dangerous goods. IMDG: Not dangerous goods. IATA: Not dangerous goods

14.3 Transport hazard class(es) ADR/RID: - IMDG: - IATA: -

14.4 Packaging group ADR/RID: - IMDG: - IATA: -

14.5 Environmental hazards ADR/RID: no IMDG Marine pollutant: no IATA: no

14.6 Special precautions for user: For information on handling, see section 7. For information on personal protective equipment, see section 8. For information on disposal, see section 13.

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

IBC code : No available data for bulk transport in accordance with annex II of the MARPOL 73/78 Convention and the IBC Code; if necessary, consult the supplier.

### 15. Additional Regulatory Information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture  
National regulations. Ensure all national/local regulations are observed.

15.2. Chemical safety assessment: No additional information available

### 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



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protection.

#### 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.