

Material safety data sheet

According to EU Regulation 1907/2006 and 2020/878 in the current version

MACA EXTRACT

1. Identification of the substance/mixture and company

Trade name: Maca Extract
INCI: Glycerin, Lepidium Meyenii Root Extract
Utilization: Raw material for cosmetics, personal care
Supplier company identification: Elemental SRL, Piața Cazărmii no.15, 410188-Oradea, jud.Bihor, Romania
Tel/Fax: +40259-436.755, www.ellemental.com
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 Regulation (EC) No. 1272/2008 [CLP]: SDS EU 2015: Lisam OEL

Not classified

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP] Extra labelling to display Extra classification(s) to display
EUH-statements : EUH210 - Safety data sheet available on request

2.3. Other hazards

Other hazards which do not result in classification: 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. Declaration of ingredients

3.1 Substances

Not concerned

3.2 Mixtures

Comments : Extract obtained from Maca roots.

Botanical name : Lepidium meyenii Walp.

Name	Product identifier	%	Classification according to Reg (EC) No. 1272/2008 [CLP]
Glycerol	(CAS No) 56-81-5, (EC no) 200-289-5	99%	Not classified
(substance with a Community workplace exposure limit)			

4. First aid measures

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

Material safety data sheet

According to EU Regulation 1907/2006 and 2020/878 in the current version

MACA EXTRACT

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 Sub Heading 2.1/2.3.

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

For non-emergency personnel

Protective equipment : Personal protection : see section 8.

Emergency procedures : Avoid contact with eyes and skin.

For emergency responders

Protective equipment : Personal protection : see section 8.

Emergency procedures : Avoid contact with eyes and skin.

6.2. Environmental precautions

Avoid release into natural bodies of water, sewage water or the soil. Contain the leak or spill from spreading if it can be done without any danger.

Do not discharge to surface water or to sewers. Inform local authorities if significant leaks cannot be contained.

6.3. Methods and material for containment and cleaning up

Material safety data sheet

According to EU Regulation 1907/2006 and 2020/878 in the current version

MACA EXTRACT

For containment : 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.

Methods for cleaning up : 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.

8. Exposure controls / personal protection

8.1. Control parameters

Glycerol (56-81-5)

France Local name Glycérine (aérosols de)

France VME (mg/m³) 10 mg/m³

8.2. Exposure controls

Appropriate engineering controls : Use only in well ventilated areas.

Hand protection : At the very least use chemical-resistant, leak-proof gloves (in accordance with standard EN 374). The use of this product means that the type of material and thickness of the gloves as well as the time taken to break down the material used to make the gloves cannot be decided until an in-depth study of the workstation has

Material safety data sheet

According to EU Regulation 1907/2006 and 2020/878 in the current version

MACA EXTRACT

taken place, leading to a clear definition of the conditions of use and the most accurate possible evaluation. The gloves should therefore be chosen with the advice of the personal protection equipment manufacturer. Due to the many possible conditions of exposure, the user should consider the actual period of use of a chemical protection glove to be significantly shorter than the period prior to permeation. It is essential to comply with the manufacturer's instructions for use, in particular concerning minimum thickness and minimum period prior to permeation. This information in no way replaces the compliance tests conducted by the final user. The protection provided by the glove depends on the conditions in which the substance/mixture is used. It is recommended to wear gloves (Neoprene or nitrile in accordance with standard EN374).

Eye protection : Goggles with lateral protection (according to standard EN 166).

Skin and body protection : Skin protection appropriate to the conditions of use should be provided.

Respiratory protection : In the event of insufficient ventilation, wear suitable respiratory equipment. Mask with gasvapours / dust filter type A/P2 (according to standard EN 141/EN143).

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

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

Other information : Do not eat, drink or smoke in the workplace under any circumstances.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Appearance : Liquid

Colour : Yellow to orange

Odour / Flavour : Characteristic / No data available

Odour threshold : No data available

pH : No data available

Relative evaporation rate (butylacetate=1) : No data available

Melting point : No data available

Freezing point : No data available

Boiling point : No data available

Flash point : >100°C

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Flammability (solid, gas) : No data available

Explosive limits : No data available

Vapour pressure : No data available

Relative vapour density at 20 °C : No data available

Relative density : No data available

Specific gravity (20°C) : 1.198 - 1.324

Solubility : Water soluble

Log Pow : No data available

Material safety data sheet

According to EU Regulation 1907/2006 and 2020/878 in the current version

MACA EXTRACT

Viscosity, kinematic : No data available
Viscosity, dynamic : No data available
Explosive properties : No data available
Oxidising properties : No data available
9.2. Other information
For more detail : Refer to the data sheet.

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, 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.

Material safety data sheet

According to EU Regulation 1907/2006 and 2020/878 in the current version

MACA EXTRACT

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.

Ingestion : No data available.

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

Material safety data sheet

According to EU Regulation 1907/2006 and 2020/878 in the current version

MACA EXTRACT

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

Regional legislation (waste) : Disposal must be done according to official regulations.

Waste treatment methods : Dispose of in accordance with the local/national safety regulations in force.

14. Transport information

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable

Proper Shipping Name (IMDG) : Not applicable

Proper Shipping Name (IATA) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

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

Material safety data sheet

According to EU Regulation 1907/2006 and 2020/878 in the current version

MACA EXTRACT

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

15. 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. 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.

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.