

Material safety data sheet

According to EU Regulation 1907/2006 in the current version

MALLOW EXTRACT, ORGANIC

1. Identification of the substance/mixture and company

Trade name: Mallow extract, organic
 I.N.C.I.: Aqua, Glycerin[^], Malva Sylvestris flower extract*, Sodium Benzoate, Potassium Sorbate, Citric Acid
 * ingredients from organic farming, [^] made using organic ingredients. 99.6% of ingredients are from natural origin, 99.4% of ingredients are from organic farming. Natural and organic cosmetic certified by Ecocert
 CAS No. : 7732-18-5, 56-81-5, 84082-57-5, 532-32-1, 24634-61-5, 77-92-9
 EINECS No. : 231-791-2, 200-289-5, 282-003-9, 208-534-8, 246-376-1, 201-069-1
 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

Not classified according to the 1272/2008/CE regulation.

Particular indications concerning the hazards for human and environment: this substance is not labeled.

According to the European directives, the usual measures of security must be applied in case of manipulation of chemicals.

The product is not identified according to the European directives/the national respective laws 2008/58/CE (30eme ATP); 2009/2/CE (31eme ATP); 2006/8/CE

2.2 Label elements

None

2.3 Other hazards

Results of the PBT and vPvB evaluations:

- PBT: not applicable
- vPvB: not applicable

3. Declaration of ingredients

The product contains the following ingredients:

Substance	C.A.S.	EINECS	Percent %
Glycerin	56-81-5	200-289-5	> 44.7 %
Aqua	7732-18-5	231-791-2	> 44.7 %
Malva Sylvestris flower extract	84082-57-5	282-003-9	< 10 %
Citric Acid	77-92-9	201-069-1	0.2 %
Sodium Benzoate	532-32-1	208-534-8	0.2 %
Potassium Sorbate	24634-61-5	246-376-1	0.2 %

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4. First aid measures

4.1 Description of first aid measures

In case of contact with skin: Normally, the product does not irritate the skin. In case of irritation, rinse with soap and water.

In case of contact with eyes: Rinse with plenty of water for at least 15 minutes (while holding eyelids apart), if irritation persists seek medical attention.

In case of excessive inhalation: Take the person to fresh air.

In case of ingestion: Rinse the mouth with water. You can seek medical attention.

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

Do not use water to extinguish fire. Use foam fire extinguishers, with carbon dioxide or powder.

5.2 Special hazards arising from the substance or mixture

Combustion and production of acrolein in case of high temperature.

5.3 Recommendations for fire-fighters

Wear self-contained breathing apparatus.

Be careful during the fight of chemicals.

6. Accidental release measures

6.1 Personal precautions, protective devices and emergency procedures

Not necessary

6.2 Environmental precautions

Dilute the product with water. Avoid spillage into sewerage or natural environment.

6.3 Methods and materials for containment and remediation

Absorb spilled product with absorbing product (sand, diatomaceous earth, sawdust).

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

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Normal work and hygiene practices for handling non-hazardous product. Don't smoke, neither eat, nor drink in the working zones

7.2 Conditions for safe storage, including any incompatibilities

Store in well-filled, tightly closed containers, away from direct sunlight and a temperature below 50°C away from any source of combustion.

7.3 Specific end uses

None

8. Exposure controls / personal protection

8.1 Control parameters

There are no specific control parameters.

8.2 Exposure controls

General measures of security and hygiene: the usual measures of security must be applied in case of manipulation of chemicals.

Safety glasses and gloves may be worn. Slip proof shoes may be worn where spills may occur.

Components with limit values that require monitoring at the workplace:

CAS: 56-81-5 GLYCEROL (25-50%)

VME (France) 10 mg/m³

Additional remarks: the present document is elaborated from the current lists at the time of its editing

9. Physical and chemical properties

9.1 Information on physical and chemical properties

Appearance: liquid

Color: red

Odor: characteristic

pH: 4 - 6

Density: 1.070 to 1.160 g/cm³

Flash point: > 95°C

Auto-ignition T°: not applicable

Auto-ignition: does not ignite spontaneously

Solubility in the water at 20°C: Completely soluble; Miscible with alcohol

9.2 Other information

None

10. Stability and reactivity

Stable under normal handling, storage and usage conditions.

10.1 Responsiveness

No data available

10.2 Chemical stability

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No data available

10.3 Possibility of dangerous reactions
Unknown

10.4 Conditions to avoid
No data available

10.5 Incompatible materials
No data available

10.6 Hazardous decomposition products
Decomposition products depend on the temperature, air and the presence of other materials. Decomposition products can include but are not limited to acrolein.

11. Toxicological information

11.1 Information on toxicological effects

No data available on this substance.

Data for the glycerin:

Acute toxicity:

LD50 (oral rat): 27 200 mg/Kg

LD50 (oral mouse): 23 000 mg/Kg

LD50 (dermal rabbit): >18 700 mg/kg

Irritating and corrosive effects:

Skin irritation: not supposed to be irritant

Eyes: not supposed to be irritant

Repeated dose toxicity:

Oral: NOAEL (rat): 10 000 mg /Kg

By inhalation: NOAEC (rat) : 165 mg /m3 (local irritant effects to the upper respiratory tract)

NOAEC (rat): 662 mg /m3 (systemic effects)

Sensibilization: not supposed to be sensitizing

Other information: natural substance

12. Ecological information

No data available on this substance.

General information: do not allow undiluted product or large quantities to reach ground water, water course or sewage system

Data for the glycerin:

Environmental precautions: Prevent from entering into soil, ditches, sewers, waterways and/or groundwater.

Biodegradation in water: readily biodegradable

Bioaccumulation: low bioaccumulation potential

Ecotoxicity to aquatic organisms:

PNEC aqua: 780 mg/L: low hazard

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Short-term toxicity to fish:

CL50 (24H): >5000 mg/L (Carassius auratus)

Short-term toxicity to aquatic invertebrates:

CE50 (24h): >10 000 mg /L (Daphnia magna)

Toxicity to algae:

CE50 (96H): 77 712 mg/L (by calculation)

Toxicity to microorganisms:

NOEC (16H): >10 000 mg/L (Pseudomonas putida)

NOEC (20H): >10 000 mg/L (Uronema parducci)

NOEC (48H): >10 000 mg/L (Chilimonas paramaecium)

NOEC (72H): 3 200 mg/L (Entosiphon sulcatum)

13. Disposal considerations

13.1 Waste treatment methods

Destroy according to local, state and federal regulations.

Avoid the discharge in the environment.

Recommended cleansing agent: water, if necessary with cleaning

14. Transport information

Product is not classified for ADR (road, directive 94/55/CE), RID (rail, directive 96/49/CE), IMDG (sea), ICAO-TI nor for IATA-DGR (air).

15. Regulatory information

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

This product is not classified according to the 1272/2008/CE regulation.

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.

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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.