



Material safety data sheet

According to EU Regulation 1907/2006 in the current version

Organic Aloe Vera Gel, ECOCERT/COSMOS

1. Identification of the substance/mixture and company

Trade name: Organic Aloe Vera Gel, ECOCERT/COSMOS
Hydrosoluble liquid obtained by pressing of organic leaves of Aloe vera, with a plant / extract ratio of 1/1

INCI Aloe barbadensis leaf juice, Potassium sorbate, Sodium benzoate, Citric acid

CAS No. : 85507-69-3

EINECS No. : 287-390-8

REACH 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

In Case of Skin Contact: It does not imply any risk when handled at the usual conditions.

In Case of Eye Contact: It does not imply any risk when handled at the usual conditions.

In Case of Ingestion: It does not imply any risk when handled at the usual conditions.

In Case of Inhalation: It does not imply any risk when handled at the usual conditions.

3. Declaration of ingredients

3.1. Substances

| Material | C.A.S | EINECS | Risk Symbol | % |
|-----------------------------|----------------------------|--------------------------|-------------|------|
| Aloe barbadensis leaf juice | 85507-69-3 / 94349-62-9 | 287-390-8 / 305-181-2 | - | > 99 |
| Citric acid | 77-92-9 / 5949-29-1 | 201-069-1 | - | qsp |
| Potassium sorbate | 24634-61-5 / 590-00-1 | 246-376-1 | - | 0.2 |
| Sodium benzoate | 532-32-1 | 208-534-8 | - | 0.2 |

4. First aid measures

In Case of Skin Contact: Remove clothing contaminated with the product immediately. Skin: wash with soap and water.



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In Case of Eye Contact: Eyes: rinse away thoroughly with water at least for 15 minutes.

In Case of Ingestion: If large amount swallowed or symptoms develop obtain medical attention.

In Case of Inhalation: Inhalation: Remove victim to fresh air

5. Fire fighting measures

5.1 Extinguishing media:

Dry chemical

Alcohol type foam

Water spray, CO₂

6. Accidental release measures

6.1 Precautions on people:

Do not try to clean up the leak without the proper protective equipment (Section 8).

6.2 Environmental Protection Measures:

Avoid liquid to enter sewer/public waters.

Absorb the small overflows with inert solids.

Notify environmental authorities in case of large leaks.

7. Handling and storage

7.1 Handling:

Handle in accordance with good industrial hygiene and safety practices.

7.2 Storage:

Store protected from light in tightly closed vessels at room temperature.

8. Exposure controls / personal protection

8.1 Respiratory Protection:

Not needed

8.2 Body Protection:

Not needed

8.3 Eye Protection:

Not needed

9. Physical and chemical properties

Form: Opalescent liquid

Color: Colorless to pale yellow



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Odor: Characteristic.

Solubility: Solubility in water: Soluble

Density: 0.90 – 1.10

10. Stability and reactivity

10.1 Stability:

Stable under usual conditions.

10.2 Conditions to Avoid:

Keep sources of ignition at a distance.

10.3 Materials to Avoid:

Avoid contact with strong oxidizing and acid agents.

10.4 Hazardous Decomposition Products:

Will not occur.

10.5 Hazardous polymerization

Will not occur.

11. Toxicological information

Data obtained in bibliographical research.

11.1 Animal testing:

This product has not been the subject of animal testing or retesting for cosmetic purposes by or on behalf of the supplier.

11.2 General information:

The following substances are used as Food Additives permitted for human consumption by FDA: Aloe barbadensis (21CFR172.510)

There is a CIR Final Report on : Aloe Barbadensis Flower Extract, Aloe Barbadensis Leaf, Aloe Barbadensis Leaf Extract, Aloe Barbadensis Leaf Juice, Aloe Barbadensis Polysaccharides and Aloe Barbadensis Leaf Water. These products are considered safe as cosmetic ingredients if anthraquinone levels do not exceed 50 ppm (IJT 26(S2):1-50, 2007)

11.3 Cytotoxicity:

Aloe vera gel: Non- toxic on Living Skin Equivalent, EC50>100% (PARUKOS,75,10,660,1994)

Ethanol/water extract of Aloe leaves: Non-toxic on CA-9KB cell culture, ED50>20ug/ml (MEDAWO,75,1999)

11.4 Skin Irritation:

Water extract of dried leaves applied externally on guinea pigs in a six week cutaneous irritation study at a concentration of 5% was inactive (MEPAWO,75,1999)

Aloe Barbadensis Leaf Water: this product was tested in 10 volunteers using an occluded patch for 48 hours. No reactions or pathological irritation were observed other than a very slight erythema in one person (IJT 26(S2):1-50, 2007).



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11.5 Skin Sensitization:

Hypersensitivity to aloe has been rarely reported (ADEFHEDR, 2,119,1993)

11.6 Mutagenicity:

Aloe Extract: no activity was observed on Ames Test, V79 cells test and DNA-repair induction assay (ADEFHEDR,2,119,1993)

Aloe, pharmaceutical (RTECS no.:BC8055000): DNA repair, Bacillus subtilis, 100 g/L

11.7 Acute toxicity:

Aloe vera, leaf, water extract from gel (RTECS no.:BC8152000): TDLo i.p. rat = 100 mg/kg, TDLo p.o. rat = 200 mg/kg

Aloe vera, leaf, ethanol extract from gel (RTECS no.:BC8122000): TDLo i.p. rat = 50 mg/kg

Aloe vera, leaf, chloroform extract from gel (RTECS no.:BC8092000): TDLo i.p. rat = 100 mg/kg, TDLo p.o. rat = 400 mg/kg

Aloe, pharmaceutical (RTECS no.:BC8055000): LD50 p.o. rat > 5 g/kg, LD50 p.o. mouse > 10 g/kg

Aloe vera, 70% ethanol extract (RTECS no.:BC8072000): TDLo i.p. rat= 25 mg/kg, TDLo p.o. rat = 25 mg/kg

Aloe barbadensis, aerial part, aqueous extract (RTECS no.:BC8056000): TDLo p.o. mouse = 125 mg/kg

Aloe vera, dried juice, ethanol extract (RTECS no.:BC8162000): TDLo p.o. mouse = 200 mg/kg, TDLo i.p. mouse = 400 mg/kg

Aloe barbadensis extract: (RTECS no.:BC8058000):LD50 i.p. mouse = 250 mg/Kg

11.8 Subchronic and chronic toxicity:

Aloe vera, leaf, water extract from gel (RTECS no.:BC8152000): TDLo p.o. mouse = 1875 g/kg/15D-I, p.o. rat = 945 mg/kg/15D-I, TDLo p.o. rat= 6.3 g/kg/21D-I

Aloe extract (up to 50 mg/kg/day for 12 weeks) p.o.mice, no specific toxicity was observed (ESCAP Mon.F.5,97)

Aloe vera, leaf pulp, extract (RTECS no.:BC8082000): rat p.o., 7500 mg/kg/15D-I

Aloe barbadensis, aerial part, aqueous extract (RTECS no.:BC8056000): TDLo p.o. rat= 500 mg/kg/2D-I

Aloe barbadensis extract: (RTECS no.:BC8058000):p.o. men=150mg/kg/3W-I.

Aloe vera, leaf, ethanol extract from gel (RTECS no.:BC8122000): TDLo p.o. rat = 6300 mg/kg/21D-I;

TDLo p.o. rat =456.24gm/kg/2Y.

11.9 Reproductive effects:

Aloe Extract (up to 1000 mg/kg) p.o.rat: No evidence of any embryoethal, teratogenic or foetotoxic effects (ESCAP Mon.,F.5,1997)

12. Ecological information

12.1 Biodegradability:

No data available.

12.2 Aquatic Toxicity:

No data available.

12.3 Other data:

No data available.



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13. Disposal considerations

The product or water contaminated must not be considered as dangerous residue.
Eliminate according to the existing regulations.

14. Transport information

This product is not subject to the regulations for the safe transport of dangerous goods

14.1 ADR/ RID: Road–Rail

Class:---
Code hazard:---
Number UN:---
Packing group:---
Label: ---
Hazard description:---

14.2 IMDG: Maritime Transport

Class:---
Number UN:---
Packing group:---
Label: ---
Hazard description:---

14.3 IATA: Air Transport

Class:---
Number UN:---
Packing group:---
Label: ---
Hazard description:---

15. Regulatory information

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

Danger pictogram is not required.

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).



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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.