

## Material safety data sheet

According to EU Regulation 1907/2006 in the current version

### GINKGO BILOBA EXTRACT

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

Trade name: GINKGO BILOBA EXTRACT  
 I.N.C.I. Aqua, Glycerin, Ginkgo Biloba Leaf Extract, Sodium Benzoate, Potassium Sorbate, Citric Acid  
 CAS No. : /  
 EINECS No. : /  
 REACH pre-registration No. :/  
 Utilization: Raw material for cosmetics  
 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

This mixture is not classified as dangerous in accordance with Regulation (EC) No. 1272/2008.

##### 2.2 Label elements

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

Results of the PBT and vPvB evaluations :

- PBT: not applicable.
- vPvB: not applicable.

#### 3. Declaration of ingredients

##### 3.1. Substances

Substance	C.A.S.	EINECS	Percent %
Glycerin	56-81-5	200-289-5	>44.7
Aqua	7732-18-5	231-791-2	>44.7
Ginkgo biloba leaf extract	90045-36-6	289-896-4	<10
Citric acid	77-92-9	201-069-1	0.2
Sodium benzoate	532-32-1	280-534-8	0.2
Potassium sorbate	24634-61-5	246-376-1	0.2

#### 4. First aid measures

##### 4.1 Description of first aid measures

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Eye contact : flush eyes with water during several minutes, by massaging eyelids.

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

In case of excessive inhalation : move person to fresh air

Ingestion : rinse the mouth with water

You can get 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

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#### 5.1 Means of extinction

Suitable extinguishing media: foam, CO<sub>2</sub>, powder

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

For high temperature, combustion and production of acrolein

#### 5.3 Recommendations for fire-fighters

Wear self-contained breathing apparatus.

Be careful during the fight of chemicals

### 6. Accidental release measures

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#### 6.1 Personal precautions, protective devices and emergency procedures

Individual precautions, equipment of protection and emergency procedures : not necessary

#### 6.2 Environmental precautions

Precautions for the environmental protection : dilute the product with water

Avoid spillage into sewerage or natural environment

#### 6.3 Methods and materials for containment and remediation

Methods and equipment for cleaning : collect liquids by absorbing product (sand, kieselguhr, sawdust, ...).

#### 6.4 Reference to other sections

Disposal of the contaminated material must be carried out in accordance with the provisions of point 13.

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#### 7. Handling and storage

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##### 7.1 Precautions for safe handling

Normal work and hygiene practises 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

Indifferent packaging

##### 7.3 Specific end uses

No data available

#### 8. Exposure controls / personal protection

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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/m<sup>3</sup>

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

#### 9. Physical and chemical properties

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##### 9.1 Information on physical and chemical properties

Appearance: liquid yellow to brown

Color: yellow to brown

Odor: characteristic

pH-value: 4 - 6

Melting point: no data available

Boiling point: no data available

Sublimation point: no data available

Softening point: no data available

Flash point: > 95 °C

Autoignition T° : not applicable

Autoignition : does not ignite spontaneously

Lower explosion limits: no data available

Upper explosion limits: no data available

Vapor pressure: no data available

Density : < 1.070-1.160 g/cm<sup>3</sup>

Water solubility: Completely soluble

Solubility in other solvents: Miscible with alcohol

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Partition coefficient: no data available

Vapor density: no data available

#### 9.2 Other information

None

### 10. Stability and reactivity

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#### 10.1 Responsiveness

Stable under normal handling, storage and usage conditions

#### 10.2 Chemical stability

No data available

#### 10.3 Possibility of dangerous reactions

No data available

#### 10.4 Conditions to avoid

No data available

#### 10.5 Incompatible materials

No data available

#### 10.6 Hazardous decomposition products

For high temperature, combustion and production of acrolein

Further information: no decomposition in the application field.

### 11. Toxicological information

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#### 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 (oral guinea pig) : 10 000 mg /Kg

LD50 (dermal guinea pig) : 56.75 mg /kg

Irritating and corrosive effects :

skin irritation : not supposed to be irritant

eyes : not supposed to be irritant

Repeated dose toxicity :

oral : NOAEL (chronic rat) : 8000 - 10 000 mg /Kg

dermal (subchronic rabbit) : the effects following repeated dermal application of glycerin was examined. There were no effects noted in rabbits dosed 8 hours/day, 5 days/week for 45 weeks with dose levels as high as 4.0 ml/kg. Using a density of 1.2611 g/cm<sup>3</sup> at 20 °C, a dose of 4.0 ml/kg corresponds to 5040 mg/kg/day

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Sensibilization : not supposed to be sensitizing  
Other more information : natural substance

## 12. Ecological information

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### 12.1 Toxicity

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 : biodegradable under 24H

Short-term toxicity to fish :

LC50 (96H) : 54 000 mg /l (Salmo gairdneri or Oncorhynchus mykiss)

LC50 (24H) : >5000 mg /l (Carassius auratus)

Short-term toxicity to aquatic invertebrates :

EC50 (24h) : >10 000 mg /l (Daphnia magna)

Toxicity to algae and cyanobacteria : EC3 : 2 900 mg /l (Microcystis aeruginosa)

EC3 : >10 000 mg /l (Scenedesmus quadricauda)

Toxicity to microorganism :

The toxicity threshold (comparable to a NOEC) in a 16 hour study was >10 000 mg./L.

### 12.2 Persistence and degradability

No data available

### 12.3 Bioaccumulation potential

No data available

### 12.4 Ground mobility

No data available

### 12.5 Results of PBT and vPvB assessment

No data available

### 12.6 Other adverse effects

No data available

Further information: no heavy metals and inorganic components

## 13. Disposal considerations

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### 13.1 Waste treatment methods

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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.  
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.

##### DECLARATION OF ALLERGENS

7th Amendment to Directive 76/768/EC, annex III, part I (2003/15/EC)

I.N.C.I.	C.A.S.	%
Alpha-Hexyl cinnamic aldehyde (HCA)	101-86-0	-
Amyl cinnamic alcohol	101-85-9	-

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Amyl cinnamic aldehyde (ACA)	122-40-7	-
Anisyl alcohol	105-13-5	-
Benzyl salicylate	118-58-1	-
Benzyl benzoate	120-51-4	-
Benzyl cinnamate	103-41-3	-
Benzyl alcohol	100-51-6	-
Cinnamic alcohol	104-54-1	-
Cinnamic aldehyde	104-55-2	-
Citral	5392-40-5	-
Citronellol	106-22-9	-
Coumarin (2p-1-benzopyran-2-one)	91-64-5	-
d-Limonene	5989-27-5	-
Eugenol	97-53-0	-
Farnesol	4602-84-0	-
Geraniol	106-24-1	-
Lylal (Hydroxymethylpentyl cyclohexene carbaldoxaldehyde)	31906-04-4	-
Hydroxycitronellal	107-75-5	-
Isoeugenol	97-54-1	-
alpha-Iso-methyl ionone	127-51-5	-
Linalool	78-70-6	-
Methyl heptene carbonate	12/06/11	-
Oakmoss absolute	9000-50-4	-
p-tert-Butyl-alpha- methylhydrocinnamic aldehyde	80-54-6	-
Tree moss	68648-41-9	-

#### 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.