1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier:
GINKGO BILOBA EXTRACT

1.2 Relevant identified uses of the substance or mixture and uses advised against:
Cosmetics raw material

1.3 Details of the supplier of the safety data sheet:
ACCESS NATURALS
Petra Yialou, 190 04 SPATA, ATHENS, GREECE
Tel.: (+30) 210.8104206
Web: www.access-naturals.gr, e-mail: info@access-naturals.gr

1.4 Emergency telephone number:
Hellenic Poison Centre Tel.: (+30) **210.7793777**
European Emergency Tel.: **112**

Supplier's emergency telephone number:
Calls from 08:00 to 16:00: (+30) 210.8104206

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:
The product is not classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements).

2.2 Label elements:
This product is not subject to hazard labeling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms: **Not applicable**

Signal words: **Not applicable**

Hazard statements: **Not applicable**

Precautionary statements: **Not applicable**

2.3 Other hazards:
On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0.1%.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances:
Information not relevant.

3.2 Mixtures:
The product does not contain substances classified as hazardous to human health or the environment in accordance with the provisions of Regulation (EU) 1272/2008 (CLP) (and subsequent conversions and adaptations) in such quantities as to require their declaration.

Identification	Conc. %.	Classification 1272/2008 (CLP)
Ginkgo biloba leaf extract		
CAS. 90045-36-6 CE. 289-896-4 INDEX. - Reg. No. -	9 - 11	Not classified

Glycerol		
CAS. 56-81-5 CE. 200-289-5 INDEX. - Reg. No. 01-2119471987-18-0000	40 - 50	Not classified
Aqua		
CAS. 7732-18-5 CE. 231-791-2 INDEX. - Reg. No. -	40 - 50	Not classified
Sodium benzoate		
CAS. 532-32-1 CE. 208-534-8 INDEX. - Reg. No. 01-2119460683-35-0000	0.09 – 0.11	Eye Irrit. 2 H319
Potassium sorbate		
CAS. 590-00-1 CE. 246-376-1 INDEX. - Reg. No. 01-2119950315-41-0000	0.09 – 0.11	Eye Irrit. 2 H319
Citric acid		
CAS. 5949-29-1 CE. 201-069-1 INDEX. - Reg. No. 01-2119457026-42-0000	0.19 – 0.21	Eye Irrit. 2 H319

4. FIRST AID MEASURES

4.1 Description of first aid measures:
Not specifically necessary. Observance of good industrial hygiene is recommended.

4.2 Most important symptoms and effects, both acute and delayed:
Specific information on symptoms and effects caused by the product are unknown.

4.3 Indication of any immediate medical attention and special treatment needed:
Information not available.

5. FIREFIGHTING MEASURES

5.1 Extinguishing media:
SUITABLE EXTINGUISHING EQUIPMENT
The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.
UNSUITABLE EXTINGUISHING EQUIPMENT
None in particular.

5.2 Special hazards arising from the substance or mixture:
HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE
Do not breathe combustion products.

5.3 Advice for firefighters:
GENERAL INFORMATION
Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.
EQUIPMENT
Normal firefighting clothing i.e. fire kit (EN 469), gloves (EN 659) and boots (HO specification A29 or A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (EN 137).

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:
Block the leakage if there is no hazard.
Wear suitable protective equipment (including personal protective equipment referred to under section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

6.2 Environmental precautions:
The product must not penetrate the sewer system or come into contact with surface water or ground water.

6.3 Methods and material for containment and cleaning up:
Collect the leaked product into a suitable container. If the product is flammable, use explosion-proof equipment. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material. Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in section 13.

6.4 Reference to other sections:
Any information on personal protection and disposal is given in sections 8 and 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling:
Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use.

7.2 Conditions for safe storage, including any incompatibilities:
Keep the product in clearly labelled containers. Keep containers away from any incompatible materials, see section 10 for details.

7.3 Specific end use(s):
Information not available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

GLYCEROL

Threshold Limit Value

Type	Country	TWA/8h mg/m3	ppm	STEL/15min mg/m3	ppm
WEL	GBR	10			

Predicted no-effect concentration - PNEC

Normal value in fresh water	0.885	mg/l
Normal value in marine water	0.0885	mg/l
Normal value for fresh water sediment	3.30	mg/kg
Normal value for marine water sediment	0.33	mg/kg
Normal value for water, intermittent release	8.85	mg/l
Normal value of STP microorganisms	1000	mg/l
Normal value for the food chain (secondary poisoning)	0.141	mg/kg

Health - Derived no-effect level - DNEL / DMEL

	Effects on consumers				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				229 mg/kg bw/d				
Inhalation			33 mg/m3				56 mg/m3	

8.2 Exposure controls:
Comply with the safety measures usually applied when handling chemical substances.

8.2.1 *Eye protection:*
Wear airtight protective goggles (see standard EN 166).

8.2.2 *Skin protection:*
Hand protection:
Protect hands with category I work gloves (see standard EN 374). The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability. The work gloves resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves wear time depends on the duration and type of use.

Other skin protection:
Wear category I professional long-sleeved overalls and safety footwear (see Directive 89/686/EEC and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

8.2.3 *Respiratory protection:*
None required, unless indicated otherwise in the chemical risk assessment.

8.2.4 *Environmental exposure controls:*
The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

Appearance:	Liquid
Color:	Yellow
Odor:	Characteristic
pH:	4.0-6.0
Flash point:	>60°C
Density:	1.03-1.15 g/ml
Solubility:	In water

9.2 Other informations:

VOC (Directive 2010/75/EC):	0 %
VOC (volatile carbon):	0 %

10. STABILITY AND REACTIVITY

10.1 Reactivity:
There are no particular risks of reaction with other substances in normal conditions of use.

10.2 Chemical stability:
The product is stable in normal conditions of use and storage.

10.3 Possibility of hazardous reactions:
No hazardous reactions are foreseeable in normal conditions of use and storage.

10.4 Conditions to avoid:
None in particular. However, the usual precautions used for chemical products should be respected.

10.5 Incompatible materials:
Information not available.

10.6 Hazardous decomposition products:
Information not available.

11. TOXICOLOGICAL INFORMATION

According to currently available data, this product has not yet produced health damages. Anyway, it must be handled according to good industrial practices

11.1 Information on toxicological effects:

Metabolism, toxicokinetics, mechanism of action and other information
Information not available
Information on likely routes of exposure
Information not available
Delayed and immediate effects as well as chronic effects from short and long-term exposure
Information not available
Interactive effects
Information not available

ACUTE TOXICITY.

LC_{50} (Inhalation) of the mixture: Not classified (no significant component)
LD_{50} (Oral) of the mixture: Not classified (no significant component)
LD_{50} (Dermal) of the mixture: Not classified (no significant component)

GLYCEROL
LD_{50} (Oral) 27200 mg/kg Rat
LD_{50} (Dermal) > 18700 mg/kg Rabbit

SKIN CORROSION / IRRITATION
Does not meet the classification criteria for this hazard class
SERIOUS EYE DAMAGE / IRRITATION
Does not meet the classification criteria for this hazard class
RESPIRATORY OR SKIN SENSITISATION
Does not meet the classification criteria for this hazard class
GERM CELL MUTAGENICITY
Does not meet the classification criteria for this hazard class
CARCINOGENICITY
Does not meet the classification criteria for this hazard class
REPRODUCTIVE TOXICITY
Does not meet the classification criteria for this hazard class
STOT - SINGLE EXPOSURE
Does not meet the classification criteria for this hazard class
STOT - REPEATED EXPOSURE
Does not meet the classification criteria for this hazard class
ASPIRATION HAZARD
Does not meet the classification criteria for this hazard class

12. ECOLOGICAL INFORMATION

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

12.1 Toxicity:
GLYCEROL

LC_{50} - for Fish.	54000 mg/l/96h Oncorhynchus mykiss
EC_{50} - for Algae / Aquatic Plants.	> 10000 mg/l/72h

12.2 Persistence and degradability:
GLYCEROL

Solubility in water.	1000000 mg/l

Rapidly degradable.

12.3 Bioaccumulative potential:
GLYCEROL

Partition coefficient: n-octanol/water.	-1.76

12.4 Mobility in soil:
Information not available.

12.5 Results of PBT and vPvB assessment:
Based on available data, the product does not contain any PBT or vPvB in percentage greater than 0.1%.

12.6 Other adverse effects:
Information not available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:
Reuse, when possible. Neat product residues should be considered special non-hazardous waste.
Disposal must be performed through an authorized waste management firm, in compliance with national and european regulations.

CONTAMINATED PACKAGING
Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

14. TRANSPORT INFORMATION

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

14.1 UN number:
Not applicable.

14.2 UN proper shipping name:
Not applicable.

14.3 Transport hazard class(es):
Not applicable.

14.4 Packing group:
Not applicable.

14.5 Environmental hazards:
Not applicable.

14.6 Special precautions for user
Not applicable.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:
Information not relevant.

15. REGULATORY INFORMATION

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

Seveso Category - Directive 2012/18/EC**: None**

Substances in Candidate List (Art. 59 REACH).
Based on available data, the product does not contain any SVHC in percentage greater than 0.1%.

Substances subject to authorisation (Annex XIV REACH).
None.

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012.
None.

Substances subject to the Rotterdam Convention.
None.

Substances subject to the Stockholm Convention.
None.

Healthcare controls.
Information not available.

15.2 Chemical safety assessment:
No chemical safety assessment has been processed for the mixture and the substances it contains.

16. OTHER INFORMATION

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Eye Irrit. 2	Eye irritation, category 2.
H319	Causes serious eye irritation.

LEGEND:
- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value

- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

Note for user:
The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.