



**Material Safety Data Sheet**  
According to EU Regulation 1907/2006 in the current version

Date 25.10.2015  
Version 3.0

**GREEN TEA HYDROGLYCERIN EXTRACT, ORGANIC**

**1. Identification of the substance/preparation and trade name**

Trade name: Green tea extract, organic  
Product resulting from biological agriculture certified by Ecocert Greenlife F32600  
Utilization: raw material for cosmetic industry  
Company identification: **Elemental SRL**, Piata Cazarmii no.15, 410188-Oradea, Bihor-Romania,  
Tel/Fax: +40259-436.755, www.elemental.eu  
Emergency: RO: numar national pentru cazuri de urgenta: 021 3183606 Institutul de Sanatate Publica  
Bucuresti. International emergency number: +49 180 2273-112

**2. Hazards Identification**

Classification of substance:  
Not classified by rule (CE) 1272/2008  
Not classified by directive 67/548/CEE or directive 1999/45/CE  
Indication on hazards for human an environment  
This product is not to be labeled, according to the process of calculation of the "General directive of classification for preparation of the CE", in the last valid version.  
Classification system:  
The classification corresponds to the current lists EEC and is completed by pulled indications of specialized publications and indications supplied by the suppliers of components entering the composition of the substance.  
Marking according to the EEC directives:  
The usual measures of caution must be observed in case of manipulation of chemicals. The product is not identified according to the directives of the European Community / national respective laws 2008/58/CE (30th ATP); 2009/2CE (31th ATP) and 2006/8/CE.  
Results of evaluations PBT and vPvB: PBT : not applicable, vPvB : not applicable

**3. Composition / Information on ingredients**

Main components:	CAS number	EINECS number	%
Glycerin	56-81-5	200-289-5	> 44.7%
Aqua	7732-18-5	231-791-2	> 44.7%
Camelia Sinensis leaf extract	84650-60-2	283-519-7	< 10%
Preservatives:			
Citric acid	77-92-9/5949-29-1	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%

**4. First Aid**

Eye contact: Irrigate with water during 10 minutes  
Skin contact: in general the product is not irritant for skin. If irritation, drench with water and soap  
Accidental ingestion: rinse the mouth, no undesirable effect  
Inhalation: breathe fresh air

**5. Fire-fighting Measures**



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Material to be used: pulverized water, CO<sub>2</sub>, powder  
Dangerous combustion product: production of acroleine if high temperature  
Protection of persons: use an appropriate respiratory mask in case of fire.

**6. Accidental release measures:**

Individual measures: not necessary  
Environmental measures: dilute with a lot of water. Avoid any pollution of surface and ground waters  
Product elimination: Collect liquids by means of a product absorbing (sand, neutralizing of acid, sawdust)

**7. Handling and Storage**

Handling: Respect the good practices of hygiene, Do not smoke, eat or drink in the manipulation area.  
Storage: store in dry and cool place. Keep the drums well closed in a well aired place.

**8. Exposure Controls and Personal Protection**

Control parameters: Components presenting values threshold to be watched by post of work:  
CAS : 56-81-5 GLYCEROL (25-50%) VME (France) 10 mg/m<sup>3</sup>

Respiratory protection: No special measure required.

Hand protection: Protective gloves recommended.

Eye protection: Avoid contact with eyes. Use eye protectors designed to protect against liquid splashes  
Before handling, wear safety goggles in accordance with standard EN166.

Physical protection: Use individual protective equipment. Respect the general security rules for the use of chemical products.



**9. Physical and Chemical Properties**

Appearance: liquid  
Colour: yellow to brown  
Odour: typical  
Flash point: > +95°C  
Density at 20°C: 1.070 - 1.160 g/cm<sup>3</sup>  
pH value: 4,0 - 6,0  
Solubility(ies): miscible with water; soluble in alcohol  
Danger of explosion: no danger  
Auto flammable point: not applicable  
Auto-inflammation: not applicable

**10. Stability and Reactivity**

The product is stable when stored in good conditions: avoid high temperature  
Possibilities of dangerous reactions: no dangerous reaction known



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Conditions to be avoided: No other available important information  
Incompatible materials: No other available important information  
Dangerous product of decomposition due to the presence of glycerin: production of acroleine if high temperature

**11. Toxicological Information**

Information not available on the substance.  
Information on glycerin  
Acute toxicity DL50 oral (rat): 27200 mg/kg. DL50 oral (mouse): 23000 mg/kg. DL 50 skin (rabbit): > 18700 mg/kg  
Skin irritation: not supposed irritant. Eye irritation: not supposed irritant.  
Toxicity at repeated doses:  
Oral : NOAEL (rat) : 10 000 mg /Kg  
Inhalation : NOAEC (rat) : 165 mg /m<sup>3</sup> (local irritant effects of respiratory tracts)  
NOAEC (rat): 662 mg /m<sup>3</sup> (systemic irritant effects)  
Other toxicologic information : Natural substance

**12. Ecological Information**

Do not leave the product, not diluted or in great quantities, penetrate into the groundwater, into waters or into pipes  
Information on glycerin:  
Biodegradation in water: Easily biodegradable  
Bioaccumulation: Low potential of bioaccumulation  
Ecotoxicity for aquatic organisms: PNEC aqua: 780 mg /L: low risk for aquatic environment  
Toxicity for the fishes: CL50 (24H) : >5000 mg /L (Carassius auratus)  
Toxicity for aquatic invertebrates: CE50 (24h) : >10 000 mg /L (Daphnia magna)  
Toxicity for algae: CE50 (96H): 77 712 mg /L (value obtained by calculation)  
Toxicity for microorganisms:  
NOEC (16H): >10 000 mg /L (Pseudomonas putida)  
NOEC (20H): >10 000 mg /L (Uronema parduzci)  
NOEC (48H): >10 000 mg /L (Chlimonas paramaecium)  
NOEC (72H): 3 200 mg /L (Entosiphon sulcatum)

**13. Disposal Considerations**

Recommendation: In accordance with local environmental laws. Avoid disposing into drainage systems and into the environment.

**14. Transport Information**

UN no: not applicable  
Road (ADR/RID): No dangerous for transport.  
Air (IATA/ICAO): No dangerous for transport.  
Sea (IMDG): No dangerous for transport.

**15. Additional Regulatory Information**



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Not submitted to labeling in accordance to directive 67/548/CE and rule 272/2008/CE.

Chemical safety assessment: not available data

**16. Other Information**

**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.