



SAFETY DATA SHEET

According to 1907/2006/EC, Article 31

Product Name: Green Tea Leaf Essential Oil

SECTION 1: Identification of the substance/ mixture and of the Company/undertaking

1.1. Product identifier

Product name Green Tea Leaf essential Oil

CAS Number: 84650-60-2

1.2. Relevant identified uses of the substance or mixture and uses advised against:

No further relevant information is available.

Application of the substance / the mixture:

Reference material for laboratory use only

Manufacturer/Supplier:

Phytos Natur CZ s.r.o.

Okrouhelská 258

252 45 Oleško

SECTION 2: Hazard Identification

2.1 Classification of the substance/preparation

Classification according to Regulation (EC) No. 1272/2008

Skin Irrit. 2



Causes skin irritation

Eye Irrit. 2

Causes serious eye irritation

Skin Sens. 1



May cause an allergic skin reaction

Aquatic Chronic 1

Very toxic to aquatic life with long-lasting effects

2.2 Label Elements

Labeling according to Regulation (EC) No. 1272/2008

This product is classified and labeled according to the CLP regulation.

GHS Signal Word

DANGER

Hazard Pictograms

GHS07



Hazards Statements

Hazard Statements	
H315+H320	Causes skin and eye irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation.
H410	Very toxic to aquatic life with long-lasting effects

Precautionary Statements

Prevention	
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Response	
P302 + P352	IF ON SKIN: Wash with plenty of water.
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P391	Collect spillage.

Storage	
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

Disposal	
P501	Dispose of contents/container in accordance with local/regional/national/ international regulation

2.3 Other Hazard

No other hazards.

SECTION 3: Composition / Information of Ingredients

3.1 Chemical characterization: Substance

CAS Number 84650-60-2
 Description : CAMELLIA SINENSIS

Additional Information:

For the wordings of listed H statements refer to section 16

SECTION 4: First AID Measures

4.1 Description of first aid measures

After inhalation: Remove from exposure site to fresh air and keep at rest. Obtain medical advice.

After skin contact: Remove contaminated clothes. Immediately Wash thoroughly with water (and soap). Contact physician if symptoms persist.

After eye contact: Flush immediately with water for at least 15 minutes. Contact physician if symptoms persist.

After Ingestion: Rinse mouth with water and obtain medical advice immediately.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information is available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information is available.

SECTION 5: Fire Fighting Measures

5.1 Extinguishing media

Suitable extinguishing media: Spray, fog, CO₂, dry chemical, or alcohol-resistant foam.

Unsuitable extinguishing media: Do not use a solid water stream as it may scatter and spread the fire.

5.2 Special hazards arising from the substance or mixture:

Fire may produce irritating, corrosive and/or toxic gases (Carbon monoxide (CO), Carbon dioxide (CO₂), Smoke and soot). Do not inhale explosion and combustion gases.

5.3 Advice for firefighters

Protective equipment: Firefighters must use standard protective equipment. Wear self-contained breathing apparatus(SCBA) and protective clothes.

In case of fire and/or explosion do not breathe fumes. Use standard firefighting procedures.

SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment, and emergency procedures

- Wear personal protection equipment.
- Avoid contact with skin or inhalation of spillage, dust or vapor. Ensure adequate ventilation.
- Remove all sources of ignition.
- Evacuate personnel to safe areas.

Beware Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

Follow safety measures in chapter 7 and 8.

6.2 Environmental precautions

- Prevent further leakage or spillage if safe to do so. Do not allow product to enter drains.
- Retain contaminated washing water and dispose of it. Discharge into the environment must be avoided.
- In case of gas escape or of entry into the aquatic environment, soil or drains, inform the respective authorities.

6.3 Methods and material for containment and cleaning up Wash

- Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations (see section 13).
- Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with a plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or, diatomite, universal binders, and place into containers.
- Small Spills: Wipe up with absorbent material (e.g. cloth). Clean surface thoroughly to remove remaining pollutants.

- Never return spills in original containers for re-use. This material and its container must be disposed of as hazardous waste.

6.4 Reference to other sections

- See Section 7 for information on safe handling.
- See Section 8 for information on personal protection equipment.
- See Section 13 for disposal information.

SECTION 7: Handling and Storage

7.1 Precautions for safe handling

- Do not handle or store near an open flame, heat or other sources of ignition. All equipment used when handling the product must be grounded.
- Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wash thoroughly after handling. Avoid breathing vapor.
- Take precautionary measures against static discharges. Protect against electrostatic charges.
- Avoid breathing vapor.
- Keep ignition sources away - Do not smoke.
- Personal protection equipment see point 8.

7.2 Conditions for safe storage, including any incompatibilities

Fire may produce irritating, corrosive and/or toxic gases (Carbon monoxide (CO), Carbon dioxide (CO₂), Smoke and soot). Do not inhale explosion and combustion gases.

7.3 Specific end use(s)

No further relevant information available

SECTION 8: Exposure controls/personal protection

8.1 Control Parameters

No information Available

8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures:

- Use personal protective equipment depending on concentration and amount of hazardous substance.
- Keep away from foodstuffs, beverages and feed.
- Immediately remove all soiled and contaminated clothing
- Wash hands before breaks and at the end of work.
- Avoid contact with the skin.
- Avoid contact with the eyes and skin.

Respiratory protection:

Suitable respiratory protection: filter class A2 (brown colour).

Use the rules for application of respiratory protection systems.

Protection of hands:

Preventive skin protection by use of skin-protecting agents is recommended.

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves

The election of suitable gloves does not only depend on the material, but also on further marks of quality and varies from Manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material Cannot be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

> 480 minutes at layer thickness of 0,425 millimeter (Sol-Vex 37-695/Ansell).

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

For the permanent contact gloves made of the following materials are suitable:

Nitrile rubber, NBR

E.g. following product: Sol-Vex (37-695) from Ansell.

As protection from splashes gloves made of the following materials are suitable: PVC gloves

Eye protection:

Tightly sealed goggles according to EN 166:2001c

Body protection: Protective work clothing.

SECTION 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Form	Liquid form
Color	Colorless to dark pale-yellow color
Odor	Pleasant and sweet citrus odor
Refractive index@25°C	1.455 – 1.498
Specific gravity @25°C	0.830 – 0.925g/ml
Optical rotation@25°C	-22.5 to +25.5

SECTION 10: Stability and Reactivity

10.1 Reactivity

Stable under normal conditions

10.2 Chemical stability

Stable under normal conditions

10.3 Possibility of hazardous reactions

No dangerous reactions known.

10.4 Conditions to avoid

Light and heat.

10.5 Incompatible materials

Avoid contact with combustible materials. The product could catch fire.

10.6 Hazardous decomposition products

None.

SECTION 11: Toxicological information

1.1 Information on toxicological effects

Toxicological information of the mixture:

Test: LD50 = 2840mg/kg

Route: oral

Species: Rat

Acute toxicity:	This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008
Skin corrosion/irritation:	This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008
Serious eye damage/irritation:	This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008
Respiratory or skin sensitization:	This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008
Germ cell mutagenicity:	This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008
Carcinogenicity:	This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008
Reproductive toxicity:	This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008
STOT-single exposure:	This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008
STOT-repeated exposure:	This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008
Aspiration toxicity:	This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008

11.2 Exposure limits

No data available.

SECTION 12: Ecological information

12.1 Toxicity

Not determined.

12.2 Persistence and degradability

Not available.

12.3 Bio accumulative potential

Not determined.

12.4 Mobility in soil

Not available.

12.5 Results of PBT and vPvB assessment

Not determined.

12.6 Other adverse effects

Do not allow the material to enter streams, sewers or other waterways.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Container disposal: Containers must be disposed of as hazardous waste. Do not reuse empty containers. Dilute the remaining material and neutralize. Empty residue into a suitable disposal site.

Disposal conditions: Dispose of in accordance with all state and local environmental regulations. This material and its container must be disposed of in a safe way.

Other: When product is properly discharged in low concentrations to biological wastewater treatment plants it should not cause any disturbances in the degradation activity of the activated sludge .

SECTION 14: Transport information

Road and Rail Transport	Not classified as Dangerous Goods for transport Road and Rail. NON-DANGEROUS GOODS.
Marine Transport	Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IM DG) for transport by sea; (NON-DANGEROUS GOODS).
Air Transport	Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

SECTION 15: Regulatory information

TSCA	Exempt from TSCA chemical inventory listing requirement.
DSL/NDSL	Exempt from DSL/NDSL chemical inventory listing requirements
EU Classification	Non-dangerous

SECTION 16: Additional information

This information is provided for documentation purposes only.

The complete range of conditions or methods of use are beyond our control therefore we do not assume any responsibility and expressly disclaim any liability for any use of this product. Information contained herein is believed to be true and accurate however, all statements or suggestions are made without warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof. Compliance with all applicable federal, state, and local laws and local regulations remains the responsibility of the user.

This safety sheet cannot cover all possible situations which the user may experience during processing. Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin should be provided to your employees or customers.