



## Safety data sheet

according to 1907/2006/EC, Article 31

Product Name : SPINACH LEAF OIL

Revised Date: 02/01/2020

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

#### 1.1. Product identifier

Product name: Spinach Leaf Oil

CAS Number: N/A

EINECS: N/A

#### 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

#### 1.3. 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

#### 2.2 Label Elements

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

#### GHS Signal Word

None.

#### Hazard Pictograms

None.

#### Hazards Statements

None.

#### Precautionary Statements

None.

#### 2.3 Other Hazard

No other hazards.

### SECTION 3: Composition / Information of Ingredients

#### 3.1 Chemical characterization: Substance

CAS Number : N/A

Description : *Spinacia oleracea*

EINECS Number : N/A

#### 3.2 Dangerous components: N/A

Additional Information: N/A

### SECTION 4: First AID Measures

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## 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).

**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, CO<sub>2</sub>, 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 (CO<sub>2</sub>), 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 clothing.

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

- The particular danger of slipping on leaked/spilled product. Use personal protective equipment as required.

### 6.2 Environmental precautions

- Avoid release to the environment.

### 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

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## 7.1 Precautions for safe handling

- Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wash thoroughly after handling. Avoid breathing vapor.
- Personal protection equipment see point 8.

## 7.2 Conditions for safe storage, including any incompatibilities

Keep the product container tightly closed, in a dry, ventilated area (at temperatures <20°C). Keep away from potential sources of ignition and protected from light. Maintain limited contact with oxygen.

## 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:

None.

#### Protection of hands:

None.

#### Eye protection:

Tightly sealed goggles according to EN 166:2001

Body protection: Protective work clothing.

## SECTION 9: Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

Form	Liquid
Color	Greenish
Odor	Characteristic odor
Flashpoint(closed cup)	>88°C
Relative density @25°C	0.896 – 0.935
Refractive Index @25°C	1.479 – 1.525

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### 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 are known.

#### 10.4 Conditions to avoid

Light and heat.

#### 10.5 Incompatible materials

Avoid contact with concentrated acids, alkalies & oxidizing materials.

#### 10.6 Hazardous decomposition products

None.

### SECTION 11: Toxicological information

#### 11.1 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

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	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 Bioaccumulative 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 it. 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 the 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

### 13.1 Waste treatment methods

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

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air.

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## SECTION 15: Regulatory information

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

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