

Safety data sheet

according to 1907/2006/EC, Article 31

Product Name : DOUGLAS FIR ESSENTIAL OIL

Revised Date: 02/01/2020

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

1.1. Product identifier

Product name: Douglas Fir Essential Oil

Product code: N/A

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

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 : *Pseudotsuga menziesii*

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, 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 clothing.

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

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 sees 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 the concentration and amount of hazardous substances.
- 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	Pale yellow to greenish
Odor	Characteristic
Flashpoint(closed cup)	96°C
Refractive Index @25°C	1.447 - 1.485
Specific Gravity @25°C	0.870 - 0.888

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under normal conditions

10.2 Chemical stability

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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 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 are available.

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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.

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 by all state and local environmental regulations. This material and its container must be disposed of carefully.

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.

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 is beyond our control therefore we do not assume any

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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 the 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.