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Product Specification

Organic Fir Douglas Essential Oil

(Pseudotsuga menziesii)

Agro-alimentary Organic product certified by FR-BIO-01

PROCESSING METHOD

Essential Oil obtained by steam distillation from the needles of : *Pseudotsuga menziesii* (Mirb.) Franco

PHYSICAL PROPERTIES

Odour : **Fruitley, fresh**
Appearance : **Liquid**
Color : **Pale yellow to pale green**

CHEMICAL PROPERTIES

Specific gravity at 20°C : **0,860 to 0,869**
Refractive index at 20°C : **1,470 to 1,480**
Optical rotation at 20°C : **-30 ° to -4 °**
Flash point : **+38 °C**
Acidity (% oleic acid) : **N.A.**
Peroxide value : **< 10 mmoles/L**

MAIN INGREDIENTS

Alpha pinene (10,00 to 28,00%)
Beta pinene (20,00 to 28,00%)
Sabinene (7,00 to 20,00%)
Terpinolene (8,00 to 15,00%)
Delta 3 carene (7,00 to 14,00%)

TECHNICAL SPECIFICATIONS



NCS, Natural Complex Substance (100% pure and natural)

N° CAS TSCA : **8050-89-3**
N° CASEINECS : **91771-64-1 ; 97926-19-7**
N° EINECS : **294-957-3 ; 308-234-8**
N° FEMA : **-**
N° FDA : **-**
N° CoE: : **-**
FCC : **-**
RIFM : **X**
FMA : **-**
AFNOR : **-**
INCI : **PSEUDOTSUGA MENZIESII BRANCH/LEAF OIL.**

REGULATION INFORMATION

DANGEROUS SUBSTANCES DIRECTIVE (DSD) - DIRECTIVE N° 67/548/EEC

▪ HAZARDS IDENTIFICATION





Xn		Harmful
N		Dangerous for environment
R10		Flammable
R43		May cause sensitisation by skin contact
R50/53		Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R65		Harmful: may cause lung damage if swallowed
S24		Avoid contact with skin
S37		Wear suitable gloves
S61		Avoid release to the environment. Refer to special instructions/safety data sheet
S62		If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label

▪ SUBSTANCE CLASSIFICATION CMR (CARCINOGENIC, MUTAGENIC, TOXIC TO REPRODUCTION)

Carcinogenicis	:	Not regulated
Mutagenicity	:	Not regulated
Toxic effects on the reproductive system	:	Not regulated

CLP REGULATION - REGULATION (EC) N°1272/2008

▪ HAZARDS IDENTIFICATION

<u>HAZARD PICTOGRAM(S)</u>	<u>HAZARD STATEMENT(S)</u>
 GHS02	H226 Flammable liquid and vapour. H304 May be fatal if swallowed and enters airways.
 GHS07	H315 Causes skin irritation. H317 May cause an allergic skin reaction.
 GHS08	H410 Very toxic to aquatic life with long lasting effects.
 GHS09	

SIGNAL WORD

Danger

PRECAUTIONARY STATEMENT(S)

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor/...
P302 + P352	IF ON SKIN: Wash with plenty of water/...
P501	Dispose of contents/the container in accordance with current legislation.

ADDITIONAL HAZARD INFORMATION(S)

Not regulated

■ **SUBSTANCE CLASSIFICATION CMR (CARCINOGENIC, MUTAGENIC, TOXIC TO REPRODUCTION)**

Carcinogenicis : Not regulated
Mutagenicity : Not regulated
Toxic effects on the reproductive system : Not regulated

HANDLING AND STORING

Follow usual precaution of chemical ingredient handling. Store in a sealed container, in a dry, cool and aired area, protected from the light.

Shelf life : 3 year(s) from the date of manufacture

TRANSPORT INFORMATION

Hazard Class 3, Packing group III, UN n°1169

Customs rate code : **3301 29 41 00**

SPECIAL INDICATIONS

- The presence of the following allergen substances in a finished product must be indicated by way of labelling if their respective concentration exceeds 100 ppm in a rinsed product and 10 ppm in a product not rinsed. (7th amendment of Cosmetic Directive European 2003/15/EC)

Present allergens : **D-Limonene (<= 4,00%), Citronellol (<= 2,00%), Geraniol (<= 0,50%), Linalool (<= 0,50%)**

- IFRA restrictions : **This substance and/or some of its components are covered by the Code of Practice of the IFRA in effect, available on the internet website www.ifraorg.org**

Contact info@nhrorganicoils.com

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