



NHR ORGANIC OILS
24 CHATHAM PLACE, BRIGHTON, BN1 3TN, UK
+44 (0)1273 746505 info@nhrorganicoils.com www.nhrorganicoils.com

Product Specification

Organic Hemlock Spruce Essential Oil

(Tsuga canadensis)

Edited: 30/08/2023

IDENTIFICATION

Botanical name : Tsuga canadensis (L.) Carrière
INCI name : TSUGA CANADENSIS LEAF EXTRACT
Botanical family : Pinaceae

TECHNICAL PROPERTIES

Manufacturing process : Steam distillation of the needles
Quality : 100% pure and natural
Main components : Bornyl Acetate (25 to 40%), Alpha-pinene (15 to 25%), Camphene (10 to 20%), Tricyclene (< 10%)

CONDITIONING - STORAGE

Conservation : Keep in tightly closed container in a cool and dry place, protected from light. Stable at usual storage and use conditions.
BBD : Approx 4 years after the production date

ORGANOLEPTIC PROPERTIES

Texture : Liquid
Color : [Colourless ; Pale yellow]
Odor : Characteristic

TECHNICAL DATA

Angular rotation at 20°C (°) : [-30 ; +5]
Ethanol solubility : yes
Water solubility : No
Relative density at 20°C : [0.890 ; 0.930]
Refractive index at 20°C : [1.465 ; 1.480]
Flash point (°C) : [+40 ; +50]

REGULAR DATA

REACH : Exempted because importation < 1t / year / legal entity

LEGISLATION :

EINECS : 289-926-6

C.A.S : /

Labeling :



AH1 Aspiration hazard 1



ATO4 Acute toxicity oral 4



ED12 Serious eye damage / eye irritation 2



EHA1 Hazardous to the aquatic environment, acute hazard 1



EHC1 Hazardous to the aquatic environment, long-term hazard 1



FL3 Flammable Liquids 3



SCI2 Skin corrosion / irritation 2



SS1 Sensitisation skin 1

H226 - Flammable liquid and vapour.

H302 - Harmful if swallowed.

H304 - May be fatal if swallowed and enters airways.

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction.

H319 - Causes serious eye irritation.

H400 - Very toxic to aquatic life.

H410 - Very toxic to aquatic life with long lasting effects.

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/...

P301+P312 - IF SWALLOWED: Call a POISON CENTER/doctor/... if you feel unwell.

P302+P352 - IF ON SKIN: Wash with plenty of water/...

P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or 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.

P332+P313 - If skin irritation occurs: Get medical advice/attention.

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

P337+P313 - If eye irritation persists: Get medical advice/attention.

P362+P364 - Take off contaminated clothing and wash it before reuse.

P403+P235 - Store in a well-ventilated place. Keep cool.

P501 - Dispose of contents/container according to applicable legislations