



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

Safety Data Sheet

Organic Hemlock Spruce Essential Oil

(*Tsuga canadensis*)

Printed : 30/08/2023

Model/Rev: : LSI_2023-1-CLP du 30/08/2023

1. PRODUCT AND COMPANY IDENTIFICATION

1.1. Product identifier

ESSENTIAL OIL OF HEMLOCK ORGANIC FROM CANADA

Commercial Name : ESSENTIAL OIL OF HEMLOCK ORGANIC FROM CANADA
C.A.S Number : /

CAS EINECS number: 90045-63-9
EINECS number: 289-926-6
ELINCS number: /
ECHA attributed number: /

FEMA number: 3034
CoE number: 461
FDA number: 172.510

Botanical name : **Tsuga canadensis (L.) Carrière**
INCI name : **TSUGA CANADENSIS LEAF EXTRACT**
Quality : **100% pure and natural**
REACH : **Exempted because importation < 1t / year / legal entity**

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

NO CONCERNED

1.3. Details of the supplier of the safety data sheet

Company : NHR Organic Oils
24 Chatham Place Brighton BN1 3TN UK
Tel: 0044 01273 746505
Web : www.nhrorganicoils.com
Email: info@nhrorganicoils.com

1.4. Emergency telephone number

1.5.

NO CONCERNED

2. HAZARD IDENTIFICATION

2.1. Classification of the substance or mixture

GHS Classification :

(RegulationCLP)

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.

2.2. Label elements

GHS Classification :

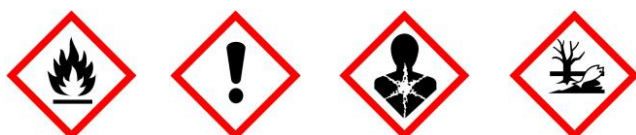
(RegulationCLP)

Warning mention : Danger

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
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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



2.3. Other hazards

Contains alpha-Pinene, d-Limonene, Myrcene, beta-Pinene

3. COMPOSITION / INFORMATION ON INGREDIENT

Liste des composants à signaler :

3.1. Substances

alpha-Pinene	25.00%
CAS# 80-56-8 / EINECS# 201-291-9	
AH1, ATO4, EHA1, EHC1, FL3, SCI2, SS1B / H304, H302, H400, H410, H226, H315, H317	
ATE (Orale) : 500mg/kg	
Camphene	20.00%
CAS# 79-92-5 / EINECS# 201-234-8	
EDI2, EHA1, EHC1, FL3 / H319, H400, H410, H226	
d-Limonene	8.00%
CAS# 5989-27-5 / EINECS# 227-813-5	
AH1, EHA1, EHC3, FL3, SCI2, SS1B / H304, H400, H412, H226, H315, H317	
Myrcene	6.00%
CAS# 123-35-3 / EINECS# 204-622-5	
AH1, EDI2, EHA1, EHC2, FL3, SCI2 / H304, H319, H400, H411, H226, H315	
Borneol	5.00%
CAS# 507-70-0 / EINECS# 208-080-0	
EDI1, EHC2, FS1, SCI2 / H318, H411, H228, H315	
beta-Pinene	5.00%
CAS# 127-91-3 / EINECS# 204-872-5	
AH1, EHA1, EHC1, FL3, SCI2, SS1B / H304, H400, H410, H226, H315, H317	
beta-Phellandrene	4.00%
CAS# 555-10-2 / EINECS# 209-081-9	
AH1, FL3 / H304, H226	
Terpinolene	3.00%
CAS# 586-62-9 / EINECS# 209-578-0	
AH1, EHA1, EHC1, FL3, SS1B / H304, H400, H410, H226, H317	
alpha-Phellandrene	3.00%
CAS# 99-83-2 / EINECS# 202-792-5	
AH1, EHA1, EHC1, FL3 / H304, H400, H410, H226	
beta-Caryophyllene	3.00%
CAS# 87-44-5 / EINECS# 201-746-1	
AH1, SS1B / H304, H317	

3.2. Mixtures

NO CONCERNED

4. FIRST AID MEASURES

4.1. Description of first aid measures

NO CONCERNED

4.2. Most important symptoms and effects, both acute and delayed

NO CONCERNED

4.3. Indication of any immediate medical attention and special treatment needed

Contact with skin : wash immediately and abundantly with water and soap. Rinse then with clear water.

Contact with eyes : Abundant rinsing with water (15 minutes open eyelids) then washing with an ocular lotion standard Dacryoserum. In case of disorder, consult an ophthalmologist.

In the event of swallowed : Not make vomit, maintain the patient at rest. Resort to the medical care.

Soiled clothing : withdraw soiled clothing and re-use them only after decontamination.

5. FIRE FIGHTING

5.1. Extinguishing media

CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

5.2. Special hazards arising from the substance or mixture

Flammability : The product is flammable.

Prévention: Do not smoke. Do not use flame near.

5.3. Advice for firefighters

Never use a direct stream of water.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Use appropriate personal protective equipment during clean-up.

6.2. Environmental precautions

Do not allow to enter sewers/ surface or ground water.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

6.4. Reference to other sections

NO CONCERNED

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Close packing after use. Reproduce labelling if transfer in another container.

7.2. Conditions for safe storage, including any incompatibilities

-Avoid any useless exposure. Keep away from food and drinks.

-Preserve only in the container of origin in a fresh place and broken down well. Keep the containers closed out of their use.

-Do not leave it near heat source, direct rays of the sun

7.3. Specific end use(s)

Wash the hands and any other zone exposed with soap and water before eating, drinking, to smoke and before leaving work.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

NO CONCERNED

8.2. Exposure controls

General protective and hygienic measures: Avoid skin and eyes contact. Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work.

Personal Protection :

- Hand protection: Wear gloves.
- Eye protection: Wear glasses.
- Respiratory protection : Wear a mask.
- Ingestion : Do not use, drink and smoke during use.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

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

9.2. Other information

Main components :	Bornyl Acetate (25 to 40%), Alpha-pinene (15 to 25%), Camphene (10 to 20%), Tricyclene (< 10%)
Angular rotation at 20°C (°) :	[-30 ; +5]
Relative density at 20°C :	[0.890 ; 0.930]
Refractive index at 20°C :	[1.465 ; 1.480]
Flash point (°C) :	[+40 ; +50]

10. STABILITY AND REACTIVITY

10.1. Reactivity

·**Dangerous reactions** : No dangerous reactions known.

10.2. Chemical stability

NO CONCERNED

10.3. Possibility of hazardous reactions

NO CONCERNED

10.4. Conditions to avoid

NO CONCERNED

10.5. Incompatible materials

NO CONCERNED

10.6. Hazardous decomposition products

Thermal decomposition / conditions to be avoided: Avoid contact with any flame or spark, flame, Overheat. Avoid Direct rays of the sun. No decomposition if used according to specifications.

Dangerous decomposition products: No dangerous decomposition products known.

11. TOXICOLOGICAL INFORMATION

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Toxicological Information : No data available.

Toxicological Informations Acute :

- **Orale**

1 844,95 (Determined)

- **Inhalation**

Not determined

- **Skin**

Not determined

11.2. Information on other hazards

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Do not leave the product, even diluted or in great quantity, penetrate the ground water, water or the drains.

12.2. Persistence and degradability

NO CONCERNED

12.3. Bioaccumulative potential

NO CONCERNED

12.4. Mobility in soil

NO CONCERNED

12.5. Results of PBT and vPvB assessment

NO CONCERNED

12.6. Endocrine disrupting properties

12.7. Other adverse effects

NO CONCERNED

13. DISPOSAL RECOMMENDATIONS

13.1. Waste treatment methods

Product : Recommendation : Does not have to be evacuated with the refuse . Not to let penetrate in the sewers.

Not cleaned packing : Recommendation : Evacuation in accordance with the regulations.

14. TRANSPORT INFORMATION

ADR/ADN/RID:



IMDG:



IATA:



14.1. UN number

ADR/ADN/RID : 1272 (Tunnel code(D/E))
IMDG:1272
IATA :1272

14.2. UN proper shipping name

ADR/ADN/RID : PINE OIL
IMDG:PINE OIL
IATA :PINE OIL

14.3. Transport hazard class(es)

ADR/ADN/RID : 3
IMDG:3
IATA :3

14.4. Packing group

ADR/ADN/RID : III
IMDG:III
IATA :III

14.5. Environmental hazards

IMDG : Marine Pollutant

Marine pollutant(s) : **Alpha-pinene**

14.6. Special precautions for user

NO CONCERNED

14.7. Maritime transport in bulk according to IMO instruments

NO CONCERNED

15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Class of water contamination (Germany) : WGK

15.2. Chemical safety assessment

NO CONCERNED

16. OTHER INFORMATION

Full H sentences text in point 3 :

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H228	Flammable solid.
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H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Material security data sheet according to 2001/58/CEE.

These indications are founded on the current state of our knowledge, but do not constitute a guarantee as for the properties of the product and do not give place to a contractual legal report.