

01 – Identification

Product identifier:	Western Cedarleaf Oil
Other means of identification:	Thuya Plicata Leaf Oil
Recommended use and restrictions:	For use as a raw material in manufacturing in accordance with relevant legal regulations and guidelines. Not for direct personal use or consumption.
Supplier identification:	Cedarome Canada Inc. 21 rue Paul-Gauguin Candiac, Quebec J5R 3X8 +1 (450)659-8000 www.cedarome.com
Emergency contact number:	Cedarome Canada Inc.: +1 (450)659-8000

02 – Hazards Identification

Hazard classification - GHS:



Flammable liquid, category 3
Acute toxicity, category 4
Aspiration hazard, category 1
Skin irritation, category 2
Skin sensitization, category 1
Carcinogenicity, category 2
Hazardous to the aquatic environment (chronic), category 2

Signal word: DANGER

Hazard statements:

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.
H351 – Suspected of causing cancer
H411 – Toxic to aquatic life with long lasting effects.

Precautionary statements:

P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P210 - Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
P233 - Keep container tightly closed.
P240 – Ground/bond container and receiving equipment.
P241 – Use rated explosion-proof electrical equipment.
P242 – Use only non-sparking tools.
P243 – Take precautionary measures against static discharge.
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 - Wash hands thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P272 - Contaminated work clothing should not be allowed out of the workplace.

P273 - Avoid release to the environment.
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.
 P281 - Use personal protective equipment as required.
 P321 - Specific treatment (see information on this label).
 P330 - Rinse mouth.
 P331 - Do NOT induce vomiting.
 P362 - Take off contaminated clothing and wash before reuse.
 P363 - Wash contaminated clothing before reuse.
 P391 - Collect spillage.
 P405 - Store locked up.
 P501 - Dispose of contents/container in accordance with local/regional/national/international regulation
 P301 + P312 – IF SWALLOWED: call a POISON CENTER or doctor/physician IF you feel unwell.
 P302 + P352 - IF ON SKIN: Wash with plenty of water/soap
 P303/361/353 – If on skin (or hair): remove immediately all contaminated clothing: rinse skin with water/shower
 P370/378 – In case of fire: use appropriate fire extinguishers for fire control
 P308 + P313 - IF exposed or concerned: Get medical advice/attention.
 P332 + P313 - If skin irritation occurs: Get medical advice/attention.
 P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention.
 P370 + P378 - In case of fire: Use recommended media to extinguish.
 P403/235 – Store in well-ventilated place. Keep cool.

03 – Composition / Information on ingredients

CAS name	CAS no.	Other identification
Oils, Cedarleaf (Thuja plicata, ext.)	68917-35-1	EC no.: 305-105-8

04 – First-aid measures

General information: Ensure medical personnel are contacted and involved. Show this safety data sheet to all medical personnel to ensure their safety and protection. Move to a safe area, free from hazardous materials.

Skin contact: Symptoms: Irritation (immediate or delayed). May cause an allergic skin reaction.
 Response: Wash with large quantities of water (or water + soap). Remove contaminated clothes and shoes. If irritation persists or any sign of tissue damage is apparent, obtain medical advice

Eye contact: Symptoms: Serious irritation and damage may occur (immediate), with burning, redness, pain
 Response: Remove contact lenses. Irrigate copiously with water for at least fifteen minutes
 Obtain medical advice if irritation or evidence of tissue damage persists

Ingestion: Symptoms: Irritation (immediate), variable effects (delayed)
 Response: Rinse mouth with water. Obtain immediate medical advice. Do not induce vomiting

Inhalation: Symptoms: Mild to severe irritation of airways (immediate)
 Response: Remove the person to fresh air and keep at rest. Obtain medical advice immediately

05 – Firefighting measures

Extinguishing media: Recommended: Carbon dioxide, special liquid or dry powder extinguishers
 Usable: Foam extinguishers
 Inadvisable: Direct water jet

Specific fire and explosion hazards: Closed containers may build up pressure at elevated temperatures
 If possible, containers should be cooled with a water spray

Special protective equipment and precautions for first responders: Protective clothing, face protection and gloves should be worn

06 – Accidental release measures

Personal precautions: Avoid open flames or other sources of ignition. Avoid inhalation of vapors

Environmental precautions: To avoid a possible contamination of the environment, contain spilled material

Methods and materials for containment and clean-up: Cover with an inert, inorganic, non-combustible absorbent material, sweep up and remove to an approved disposal container.
Dispose of in accordance with federal/national, state/provincial and local environmental regulations

07 – Handling and storage

Handling: Measures should be taken to prevent materials from being splashed into the eyes or on the skin
This should include the wearing of eye shields and protective clothing
Smoking should not be permitted in areas where they are handled
Spontaneous combustion of certain product soaked rags has been reported
Maintain adequate air circulation in the working area

Storage: Store in tightly sealed and preferably full containers in a cool, dry location. Protect from light.
Check quality before use if stored for more than 6 months. Keep in suitable or original container.
Storage details are in the product specifications sheet

08 – Exposure controls / Personal protection

Control parameters

Occupational exposure limits: Chemical components requiring monitoring in the workplace

Component	Type	Value	Basis
D’Limonene (CAS: 5989-27-5)	8-hr TWA	30 ppm 165.5 mg/m ³	AIHA standard

Biological exposure limits: Not applicable

Engineering controls

Ventilation: Provide adequate ventilation; use local exhaust fan if necessary

Personal protective equipment

Respiratory protection: In well-ventilated areas, respiratory protection is not normally required. In confined, poorly ventilated areas, it may be required

Hand protection: The use of chemical resistant gloves is recommended

Eye protection: The use of safety glasses is recommended

Skin protection: Light protective clothing is recommended

09 – Physical and chemical properties

Appearance	Refer to specifications
Odor	Characteristic
Odor threshold	Not determined
pH	Not available
Melting point (freezing point)	Not available
Boiling point (boiling range)	Not available
Flash point (cc) (°C)	57°C
Evaporation rate	Not available
Flammability	Not available
Upper flammability limit	Not available
Lower flammability limit	Not available

Vapour pressure	Not available
Vapour density	Not available
Specific gravity (25°C)	Not available
Solubility	Not available
Partition coefficient – “n-octanol/water”	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available

10 – Stability and reactivity

Reactivity:	Product may slowly oxidize when in contact with air
Chemical stability:	Stable at normal temperatures and storage conditions
Possibility of hazardous reactions:	Not determined
Condition to avoid:	Excessive heat, open flames or other sources of ignition
Incompatible materials:	Strong oxidizing agents
Hazardous decomposition products:	Not determined

11 – Toxicological information

Route(s) of exposure:	Ingestion: May be harmful if swallowed Inhalation: Liquid may cause irritation of airways Skin: May causes skin irritation and may cause an allergic skin reaction Eyes: May cause eye irritation
Acute toxicity:	LD ₅₀ (oral, rat) = Not determined (192 mg/kg for Thujones) LD ₅₀ (dermal, rabbit) = Not determined LC ₅₀ (inhalation) = Not determined
Other toxicological information:	Carcinogenicity: Not listed by IARC, NTP, OSHA and California Prop 65 Contains 1 – 5% of naturally occurring β-Myrcene (CAS: 123-35-3), which is listed by IARC as Carcinogenic Group 2B (<i>Possibly carcinogenic to humans</i>) Teratogenicity: Not determined Reproductive effects: Not determined Mutagenicity: Not mutagenic Specific target organ toxicity: Single exposure: not classified Repeated exposure: not classified Aspiration hazard: May be fatal if swallowed and/or enters airways

12 – Ecological information

Ecotoxicity:	Toxic to aquatic life with long lasting effects - avoid contamination with the environment.
Persistence and degradability:	Not determined
Bioaccumulative potential:	Not determined
Mobility in soil:	Not determined
Other environmental adverse effects:	Not determined

13 – Disposal considerations

Dispose of in accordance with local, state/provincial, federal/national and/or international regulations

14 – Transportation information

RTMD* UN number: 1197
Proper shipping name: EXTRACTS, LIQUID
Transportation class: 3
Subsidiary class(es): Not applicable
Packing group: III
Environmental hazards: Yes
Special precautions: No further information

IATA UN number: 1197
Proper shipping name: EXTRACTS, LIQUID
Transportation class: 3
Subsidiary class(es): Not applicable
Packing group: III
Environmental hazards: Yes
Special precautions: No further information

IMDG UN number: 1197
Proper shipping name: EXTRACTS, LIQUID
Transportation class: 3
Subsidiary class(es): Not applicable
Packing group: III
Marine pollutant: Yes (Limonene)
Special precautions: No further information

*RTMD - Règlement sur le transport des marchandises dangereuses (Transportation of Dangerous Goods Regulations)

15 – Regulatory information

FDA regulation:

21 CFR 172.510 – natural flavoring substances and natural substances used in conjunction with flavors *limitations*: finished food thujone-free

Product is present in the following inventory lists

Canada (DSL/NDL), **USA** (TSCA), **European Union** (EINECS/ELINCS/NLP), **China** (IECSC), **Australia** (AICS)

16 – Other information

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Creation date: 2019/05/01

Revision date: 2023/12/18

Version number: 3

Disclaimer

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