

**01 – Identification**

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

**02 – Hazards Identification**

Hazard classification - GHS:



Flammable liquid, category 3  
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.  
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 explosion-proof electrical/ventilating/lighting/ 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.  
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).  
 P331 - Do NOT induce vomiting.  
 P362 - Take off contaminated clothing and wash before reuse.  
 P363 - Wash contaminated clothing before reuse.  
 P391 - Collect spillage. Hazardous to the aquatic environment.  
 P405 - Store locked up.  
 P501 - Dispose of contents/container in accordance with local/regional/national/international regulation  
 P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or a doctor  
 P302 + P352 - IF ON SKIN: Wash with plenty of water/soap  
 P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].  
 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 + P235 - Store in a well-ventilated place. Keep cool.

**03 – Composition / Information on ingredients**

CAS name	CAS no.	Other identification
Oils, Spruce	8008-80-8	EC no.: 294-420-3 FEMA: 3034

**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**

<b>Personal precautions:</b>	Avoid open flames or other sources of ignition. Avoid inhalation of vapors
<b>Environmental precautions:</b>	To avoid a possible contamination of the environment, contain spilled material
<b>Methods and materials for containment and clean-up:</b>	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**

<b>Handling:</b>	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
<b>Storage:</b>	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: None identified

**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)	42°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)	0.90 (typical)
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

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

### 11 – Toxicological information

<b>Route(s) of exposure:</b>	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
<b>Acute toxicity:</b>	LD <sub>50</sub> (oral, rat) = >2000 mg/kg LD <sub>50</sub> (dermal, rabbit) = Not determined LC <sub>50</sub> (inhalation) = Not determined
<b>Other toxicological information:</b>	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

<b>Ecotoxicity:</b>	May cause long lasting harmful effects to aquatic life - avoid contamination of the environment.
<b>Persistence and degradability:</b>	Not determined
<b>Bioaccumulative potential:</b>	Not determined
<b>Mobility in soil:</b>	Not determined
<b>Other environmental adverse effects:</b>	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  
Special precautions: No further information

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

**15 – Regulatory information**

Product is present in the following inventory lists:

**Canada (DSL), USA (TSCA), China (IECSC), New Zealand (NZIoC), Korea (KECI), The Philippines (PICCS), Australia (AIC), Taiwan (TCSI)**

**16 – Other information**

Prepared by: Quality Assurance and Conformity (+1 450-659-8000)  
Creation date: 2019/05/01  
Revision date: 2024-02-22  
Version number: 2.3

**Disclaimer**

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