

01 – Identification

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| Product identifier: | Fir Needle Oil |
| REACH Registration number: | 01-2120779258-39-0000 |
| Other means of identification: | Fir Balsam Oil, Abies Balsamea 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 (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, Fir (Fir, Abies Balsamea, ext.) | 8024-15-5 | EC no.: 285-364-0 FEMA: 2114 |

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

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| 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

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| 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: 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

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| Appearance | Refer to specifications |
| Odor | Characteristic |
| Odor threshold | Not determined |
| pH | Not available |
| Melting point (freezing point) | <-20°C |
| Boiling point (boiling range) | 173.3°C @96.7 kPa |
| Flash point (cc) (°C) | 43°C |
| Evaporation rate | Not available |
| Flammability | Not available |
| Upper flammability limit | Not available |

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| Lower flammability limit | Not available |
| Vapour pressure | Not available |
| Vapour density | Not available |
| Specific gravity (25°C) | 0.871 (typical) |
| Solubility | Not available |
| Partition coefficient – “n-octanol/water” | Not available |
| Auto-ignition temperature | 258°C @97.1 kPa |
| Decomposition temperature | Not available |
| Viscosity | Not available |

10 – Stability and reactivity

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| 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

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| Route(s) of exposure: | Ingestion: May be harmful if swallowed Inhalation: Liquid may cause irritation of airways Skin: May cause skin irritation and may cause an allergic skin reaction Eyes: May cause eye irritation |
| Acute toxicity: | LD ₅₀ (oral, rat) = >2000 mg/kg 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

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| Ecotoxicity: | May cause long lasting harmful effects to aquatic life - avoid contamination of the environment. |
| Persistence and degradability: | Readily biodegradable |
| 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
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/NDL), **USA** (TSCA), **European Union** (EINECS/ELINCS/NLP), **China** (IECSC), **New Zealand** (NZIoC), **Korea** (KECI), **The Philippines** (PICCS), **Australia** (AICS)

16 – Other information

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Disclaimer

The information and recommendations contained in the data sheet represent, to the best of our knowledge and belief, an accurate and reliable representation as to the known data for this material. The data has been obtained from a number of sources and Cedarome cannot guarantee its accuracy, reliability and completeness nor can Cedarome assume any liability for any loss or damage arising out of the use of this data. It is the user's responsibility to evaluate this information in a prudent manner and to use it in a manner that is consistent for its particular purpose.