

01 – Identification

Product identifier:	Pine Oil	
Other means of identification:	None	
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:	CANUTEC: +1 (613)996-6666 1-888-CAN-UTEC *666	(worldwide) (Canada and US) (from a cell phone)

02 – Hazards Identification

Hazard classification - GHS:



Flammable liquids, category 3
Aspiration hazard, category 1
Skin irritation, category 2
Skin sensitization, category 1
Eye irritation, category 2
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.
H319 - Causes serious eye irritation
H351 - Suspected of causing cancer
H411 - Toxic to aquatic life with long-lasting effects

Precautionary statements:

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. 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 must not be allowed out of the workplace.
P273 - Avoid release to the environment.

P280 - Wear protective gloves/protective clothing/eye protection
 P321 - Specific treatment (see supplemental first aid instruction on this label)
 P331 - Do NOT induce vomiting.
 P391 - Collect spillage. Hazardous to the aquatic environment.
 P405 - Store locked up.
 P501 - Dispose in a safe manner in accordance with local/national regulations.
 P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or a doctor
 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
 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.
 P362 + P364 - Take off contaminated clothing and wash it before reuse.
 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
Pine Oils	8002-09-3	-

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	Reference
alpha Pinene (CAS# 80-56-8)	TWA	20 ppm	ACGIH threshold limit values

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)	<-20°C
Boiling point (boiling range)	Not available

Flash point (cc) (°C)	50°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 (20°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) = >5000 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 5 – 10% 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 determined Specific target organ toxicity: Single exposure: not determined Repeated exposure: not determined Aspiration hazard: May be fatal if swallowed and/or enters airways

12 – Ecological information

Ecotoxicity:	Harmful to aquatic life with long lasting effects - avoid contamination with 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: 1272
Proper shipping name: Pine oil
Transportation class: 3
Subsidiary class(es): Not applicable
Packing group: III
Environmental hazards: Yes
Special precautions: No further information

IATA UN number: 1272
Proper shipping name: Pine oil
Transportation class: 3
Subsidiary class(es): Not applicable
Packing group: III
Environmental hazards: Yes
Special precautions: No further information

IMDG UN number: 1272
Proper shipping name: Pine oil
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

Prepared by: Quality Assurance and Conformity (+1 450-659-8000)
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Disclaimer

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