

# Safety Data Sheet (SDS)

## Balsam Fir (needle)

### 1. Identification

Product identifier:	Balsam Fir (needle)
Other means of identification:	Balsam Fir / <i>Abies balsamea</i> / Fir needle oil, Canadian / Sapin Baumier
Recommended use and restrictions on use:	Fragrance, food additive (for ORGANIC certified version)
Initial supplier identifier:	BoreA Canada (9302-0469 Quebec Inc.) 142, de la Cogeneration Chapais, Quebec Canada, G0W 1H0 Phone: +1-514-910-1812 Email: <a href="mailto:info@boreacanada.com">info@boreacanada.com</a>
mergency telephone number (hours of operation):	+1-613-996-6666 (CANUTEC 24h)

### 2. Hazard Identification

<b>GHS Classification:</b>	FLAMMABLE LIQUID – Category 3 (Flam. Liq. 3, H226) SERIOUS EYE DAMAGE / EYE IRRITATION – Category 2 (Eye Irrit. 2, H319) SKIN CORROSION/IRRITATION – Category 2 and 1 (Skin Irrit. 2, H315, H317) ASPIRATION HAZARD – Category 1 (Asp. Tox. 1, H304). ACUTE AQUATIC TOXICITY – Category 1 (Aquatic Acute 1, H400) CHRONIC AQUATIC TOXICITY – Category 1 (Aquatic Chronic 1, H410, H411)
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#### GHS information elements

Hazard pictogram(s):



Signal word:

Danger

Hazard statements:

H226 – Flammable liquid and vapor H319  
– Causes eye irritation  
H315 – Causes mild skin irritation  
H317 – Can cause cutaneous allergy  
H304 – May be fatal if swallowed and enters airways.  
H400 – Acute aquatic toxicity  
H410 – Very toxic to aquatic organisms, causes long lasting adverse effects  
H411 – Toxic to aquatic life with long lasting effects

## Precautionary statements

Prevention:	P210 – Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233 – Keep container tightly closed. P264 – Wash hands thoroughly after handling P280 – Wear protective gloves. Wear eye protection/face protection.
Response:	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. P337 + P313 – If eye irritation persists: Get medical advice/attention. P332 + P313 If skin irritation occurs: Get medical advice/attention.
Storage:	Not applicable.
Disposal:	P501 - Dispose of contents and container in accordance with
<b>Other known hazards:</b>	None known.

### 3. Composition/Information on ingredients

Substance or mixture: Substance

Composition	CAS number	Concentration
Fir needle oil, Canadian	8016-42-0 (IOFI), 85085-34-3 (EU), 8024-15-5, 8021-28-1	≤ 100 %

Ingredient	CAS number	Specification
α-pinene	80-56-8	14-22%
Camphene	79-92-5	3-7%
β-pinene	127-91-3	28-38%
Limonene	5989-27-5	9-20%
Bornyl Acetate	76-49-3	3-10%
Δ <sup>3</sup> -Carene	13466-78-9	4-20%
β-Phellandrene	555-10-2	3-12%

### 4. First-aid measures

Description of necessary first-aid measures

Inhalation: Remove the patient to open air, far from the contaminated premises; if respiration stops or is difficult, give an artificial respiration adopting the proper measure for the helper. Seek medical advice.

Ingestion: Rinse mouth with water. Do not induce vomiting before consulting a doctor.

Skin contact: Wash with soap and plenty of water. Seek medical advice.

Eye contact: Wash with plenty of water.

Most important symptoms and effects, whether acute or delayed

Inhalation: May slightly irritate the respiratory tract. May be harmful if inhaled.

Ingestion: May be harmful if swallowed.

Skin contact: May irritate skin. May be harmful if absorbed through skin.

Eye contact: May irritate eyes.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments: No specific treatment.

### 5. Fire-fighting measures

Suitable extinguishing media: Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.

Unsuitable extinguishing media: Do not use water jet or water-based fire extinguishers.

Specific hazards arising from the hazardous product: In the event of thermal decomposition or fire, vapours potentially dangerous to health may be released.

Hazardous combustion products : Carbon oxides.

Special protective equipment and precautions for fire-fighters:

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

## 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel:

Restrict access to area until completion of cleanup. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation.

For emergency responders:

Wear adequate personal protective equipment.

Environmental precautions:

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Methods and materials for containment and cleaning up

Spill:

Limit the spreading of the spillage with non-combustible absorbent material (sand, earth etc). Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind.

## 7. Handling and storage

Precautions for safe handling:

Use appropriate personal protective equipment. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Do not smoke while handling. Keep containers closed when not used.

Advice on general hygiene:

Eating, drinking and smoking in working areas should be prohibited. Wash hands with soap and water before meals and at the end of the work shift. Remove contaminated clothing and protective equipment before entering eating areas.

Conditions for safe storage, including any incompatibilities:

Store in a well ventilated place. Keep far away from sources of heat, naked flames and sparks and other sources of ignition.

## 8. Exposure controls/Personal protection

Control parameters:

Not available

Appropriate engineering controls:

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

Individual protection measures:

In order to minimize exposure as far as possible, it is strongly recommended to use adequate individual protective measures, such as: masks suitable for the product, goggles, gloves and overall.

## 9. Physical and chemical properties

Appearance

Physical state:

Liquid

Colour:

Colourless to pale yellow

Odour:

Characteristic sweet woody scent of pine

Odour threshold:

Not available

pH:

Not available

Melting point:	Not available
Freezing point:	Not available
Initial boiling point and boiling range:	Not available
Flash point:	43.3 °C c.c. (109.9°F)
Evaporation rate:	Not available
Upper and lower flammability or explosive limits:	Not available
Vapour pressure:	Not available
Vapour density:	Not available
Relative density:	0.872 – 0.878 g/mL at 20°C
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:	No specific test data related to reactivity available for this product
Chemical stability:	The product is stable
Possibility of hazardous reactions:	Under normal conditions of use and storage, hazardous reactions will not occur
Conditions to avoid:	Avoid heat and all possible sources of ignition (spark or flame).
Incompatible materials:	Strong oxidizing materials.
Hazardous decomposition products:	Under normal conditions of use and storage, hazardous decomposition products should not be produced.

### 11. Toxicological information

#### Acute toxicity:

LD50 Oral (rat) > 5000 mg/kg

LD50 Skin (rabbit) > 5000 mg/kg

**Information on the likely routes of exposure:** Dermal contact. Eye contact. Inhalation. Ingestion.

Symptoms related to the physical, chemical and toxicological characteristics

**Inhalation:** May slightly irritate the respiratory tract. May be harmful if inhaled.

**Ingestion:** May be harmful if swallowed.

**Skin contact:** May irritate skin. May be harmful if absorbed through skin.

**Eye contact:** May irritate eyes.

#### Delayed and immediate effects, and chronic effects from short-term and long-term exposure:

No known significant effects or critical hazards.

Numerical measures of toxicity: There is no data available

## 12. Ecological information

Ecotoxicity

Product/Ingredient name: Not applicable  
 Toxicity: No data available  
 Persistence and degradability: No data available  
 Bioaccumulative potential: No data available  
 Mobility in soil: No data available  
 Other adverse effects: No data available

## 13. Disposal considerations

Disposal methods: Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations. Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

Contaminated packaging: Contaminated packaging must be recovered or disposed of in compliance with Federal and Provincial waste management regulations.

## 14. Transport information

UN number: UN1197  
 Proper shipping name: Extracts, liquid  
 Hazard class: 3  
 Packing group: III  
 Environmental hazard: Not applicable  
 Special precautions: Not applicable

## 15. Regulatory information

WHMIS 1988 Classification: B3 – Combustible liquids  
 D2B - Materials causing other toxic effects



## 16. Other information

SDS information  
 Version: 10  
 Date (dd/mm/yyyy): 21/03/2023  
 Prepared by: JCV

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