



SAFETY DATA SHEET (SDS)

Prepared in accordance with the Globally Harmonized System (GHS) and Regulation (EC) No. 1907/2006 (REACH, as amended)

SECTION 1 – IDENTIFICATION

Product Name: Black Spruce Essential Oil

Alternative Names: Black Spruce Oil, Spruce Needle Oil

Botanical Name: *Picea mariana* (Mill.) Britton, Sterns & Poggenb.

INCI Name: *Picea Mariana* Leaf Oil

CAS Number: 8008-80-8

EC Number: 294-420-3

Product Type: Natural Essential Oil

Plant Part: Needles and Twigs

Extraction Method: Steam Distillation

Origin: Canada

Grade: Premium Perfumery Grade

Recommended Use: Professional perfumery, cosmetic and aromatherapy raw material.

Supplier

Aromology Trading LLC

G05 Al Ghazal Building

Nadd Al Hamar

Dubai, United Arab Emirates

Website: www.aromology.com

Email: info@aromology.com

Telephone: +971 505197601

SECTION 2 – HAZARD IDENTIFICATION

GHS Classification

- Flammable Liquid – Category 3
- Skin Irritation – Category 2
- Skin Sensitisation – Category 1
- Aspiration Hazard – Category 1
- 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.
- H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements

- P210 Keep away from heat, sparks and open flames.
- P261 Avoid breathing vapours.
- P273 Avoid release to the environment.
- P280 Wear protective gloves and eye protection.
- P301+P310 IF SWALLOWED: Immediately call a POISON CENTRE or physician.
- P331 Do NOT induce vomiting.
- P302+P352 IF ON SKIN: Wash thoroughly with soap and water.
- P333+P313 If skin irritation or rash occurs: Get medical advice.
- P501 Dispose of contents/container in accordance with local regulations.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Component	Information
Product	Black Spruce Essential Oil
Botanical Name	<i>Picea mariana</i>
INCI Name	<i>Picea Mariana</i> Leaf Oil
CAS Number	8008-80-8
EC Number	294-420-3
Purity	100% Natural Essential Oil

Typical Naturally Occurring Constituents

- Bornyl acetate
- α -Pinene
- Camphene
- β -Pinene
- δ -3-Carene
- Limonene
- Myrcene



- β -Phellandrene
 - Terpinolene
 - Borneol
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SECTION 4 – FIRST AID MEASURES

Inhalation: Move the exposed person to fresh air. Seek medical advice if symptoms persist.

Skin Contact: Wash thoroughly with soap and water. Remove contaminated clothing.

Eye Contact: Flush immediately with water for at least 15 minutes. Seek medical attention if irritation persists.

Ingestion: Do not induce vomiting. Obtain immediate medical attention.

SECTION 5 – FIRE FIGHTING MEASURES

Suitable Extinguishing Media

- Carbon dioxide
- Dry chemical powder
- Alcohol-resistant foam
- Water mist

Hazardous Combustion Products

Carbon monoxide, carbon dioxide and irritating organic vapours.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Wear appropriate personal protective equipment.

Prevent release into drains and waterways.

Absorb using inert material such as sand or vermiculite.

Collect in suitable disposal containers.



SECTION 7 – HANDLING AND STORAGE

Use only in well-ventilated areas.

Avoid contact with skin and eyes.

Store tightly closed away from direct sunlight, heat and oxidising agents.

Recommended Storage Temperature: 5–20 °C

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

- Chemical safety goggles
 - Nitrile gloves
 - Protective clothing
 - Local exhaust ventilation
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SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Property	Specification
Appearance	Clear mobile liquid
Colour	Colourless to Pale Yellow
Odour	Fresh, coniferous, woody, balsamic, green
Relative Density (20 °C)	0.900–0.930
Refractive Index (20 °C)	1.465–1.480
Flash Point	48–55 °C
Solubility	Insoluble in water
Solubility	Soluble in ethanol and perfumery solvents

SECTION 10 – STABILITY AND REACTIVITY

Stable under recommended storage conditions.

Avoid:

- Strong oxidising agents



- Excessive heat
- Open flames
- Prolonged exposure to air

Hazardous decomposition products include carbon monoxide and carbon dioxide.

SECTION 11 – TOXICOLOGICAL INFORMATION

May cause skin irritation and allergic skin reactions.

Aspiration hazard if swallowed.

Contains naturally occurring terpene hydrocarbons which may oxidise upon prolonged exposure to air.

SECTION 12 – ECOLOGICAL INFORMATION

Toxic to aquatic organisms with long-lasting effects.

Avoid uncontrolled release into the environment.

SECTION 13 – DISPOSAL CONSIDERATIONS

Dispose of contents and containers through an authorised waste contractor in accordance with applicable local regulations.

SECTION 14 – TRANSPORT INFORMATION

Regulation	Status
UN Number	UN1169
Proper Shipping Name	Extracts, Aromatic, Liquid
ADR/RID	Class 3
IMDG	Class 3
IATA	Class 3
Packing Group	III



SECTION 15 – REGULATORY INFORMATION

Prepared in accordance with:

- GHS Revision 9
- OSHA Hazard Communication Standard (29 CFR 1910.1200)
- Regulation (EC) No. 1907/2006 (REACH)
- Regulation (EU) 2020/878

SECTION 16 – OTHER INFORMATION

Black Spruce Essential Oil is obtained by steam distillation of the needles and young twigs of *Picea mariana* harvested in Canada. It possesses a fresh, clean coniferous aroma with woody, balsamic and resinous nuances. The oil is widely used in fine fragrance, forest accords, masculine compositions, wellness products and aromatherapy applications.

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Prepared By:
Fozia Khot
Director