

Material Safety Data Sheet

**24 HOUR EMERGENCY NUMBER:
(800) 222-1222 POISON CONTROL**

SECTION 1.1 PRODUCT IDENTIFICATION

Product Name: Black Spruce Essential Oil
CAS #: 91722-19-9
EINECS #: 294-420-3

SECTION 1.2 COMPANY INFORMATION

Company: Nature's Fusions
Address: 57 N 1380 W, Orem, UT, 84057
Telephone No: 801-872-9500

SECTION 2.1 HAZARDS CLASSIFICATION

GHS-US Classification: Flammable Liquid 3
Eye Damage/Irritation 2
Sensitization - Skin 1
Aquatic Chronic Environment 1

SECTION 2.2 HAZARDS IDENTIFICATION

Signal Word: Danger
Hazard Pictograms:



Hazard Statement: H226 Flammable liquid and vapor.
H304 May be fatal if swallowed and enters airways.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
H410 Very toxic to aquatic life with long lasting effects.
H305 May be harmful if swallowed and enters airways
H316 Causes mild skin irritation
H320 Causes eye irritation
H400 Very toxic to aquatic life.

Precautionary Statement: P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P305+P351 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P280 Wear protective gloves/protective clothing and eye/face protection.
P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P310 Immediately call a POISON CENTER or doctor/physician.
P273 Avoid release to the environment.
P501 Dispose of contents/container to regional, national regulation.

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SECTION 2.3 OTHER HAZARDS IDENTIFICATION

Other Hazards: No additional information available.

SECTION 3. COMPOSITION

Product Name	CAS #	EC #	Concentration
Black Spruce	91722-19-9	294-420-3	100%

SECTION 4.1 NECESSARY FIRST AID MEASURES

Eye Contact:	In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.
Inhalation:	Do not leave affected person unattended. Remove victim out of the danger area. Provide fresh air.
Ingestion:	If swallowed rinse mouth. Do NOT induce vomiting.
Skin Contact:	After contact with skin, wash immediately with plenty of water and soap. Remove contaminated clothing immediately.

SECTION 4.2 SYMPTOMS

Eye Contact:	No additional information available.
Inhalation:	No additional information available.
Ingestion:	No additional information available.
Skin Contact:	No additional information available.

SECTION 4.3 OTHER FIRST AID MEASURES

Medical Attention/Special Treatment:	Treat symptomatically.
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SECTION 5.1 EXTINGUISHING

Suitable Extinguishing media:	CO2. Dry Powder. Foam.
Unsuitable Extinguishing media:	Water Jet.

SECTION 5.2 SPECIAL HAZARDS

Special Hazards Arising from Chemical:	Fires of liquids or liquid turning substances. In case of fire toxic fumes like carbon monoxide and carbon dioxide may be liberated. Burning produces heavy smoke.
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SECTION 5.3 FIRE FIGHTING MEASURES

Firefighter Instructions:	Move undamaged containers from immediate hazard area if it can be done safely. Use breathing apparatus. Regard to self-protection.
Protection during firefighting:	No additional information available.

SECTION 6.1 ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Wear personal protection equipment. Avoid contact with skin, eye and clothing. Remove all sources of ignition. Provide adequate ventilation. Give a warning to persons in the hazard area.
Protective equipment:	No additional information available.
Environmental Precautions:	Do not allow to enter surface water or drains. Cover drains. Prevent spread over a wide area (e.g. by containment or oil barriers).

SECTION 6.2 ACCIDENTAL RELEASE CLEANING MEASURES

Methods and Material for Cleaning Up:	Absorb with liquid-binding material. (e.g. sand, diatomaceous earth, acid - or universal binding agents.)
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SECTION 7.1 PRECAUTIONS FOR HANDLING

Precautions for handling:	Provide earthing of containers, equipment, pumps and ventilation facilities. Take precautionary measures against static discharges. Wear personal protective clothing (see chapter 8). Do not breathe gas/fume/vapor/spray Use only in well-ventilated areas. When using do not eat, drink, smoke, sniff.
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SECTION 7.2 CONDITIONS FOR SAFE STORAGE

Conditions for safe storage:	Keep container tightly closed.
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SECTION 8.1 EXPOSURE AND ENGINEERING CONTROLS

PEL, ACGIH, TLV exposure limit:	No additional information available.
Appropriate engineering controls:	Showers. Eyewash stations. Ventilation systems.

SECTION 8.2 PERSONAL PROTECTION/EQUIPMENT

Eye/Face Protection:	Use protective goggles according to EN166.
Hand Protection:	Wear protective gloves.
Skin and Body Protection:	No additional information available.
Respiratory Protection:	If technical exhaust or ventilation are not possible or insufficient, respiratory protection must be worn.
Environmental Exposure Control:	No additional information available.

SECTION 8.3 ADDITIONAL INFORMATION

Other:	Good personal hygiene practices are always advisable, especially when working with chemicals / oils.
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SECTION 9.1 PHYSICAL PROPERTIES

Appearance:	Colorless to pale yellow liquid to greenish yellow liquid.
Odor:	Sweeter, and softer than most evergreen oils with a balsamic, resinous odor with green woody notes. Overall, the scent is very clean, fresh, and pleasant.
Odor Threshold:	No data available.
Physical State:	Liquid.

SECTION 9.2 CHEMICAL PROPERTIES

pH:	No data available.
Melting Point/Freezing Point:	No data available.
Boiling Point:	No data available.
Flash Point:	45° C
Evaporation Rate:	Less than 1 (Ether = 1)
Flammability (solid, gas):	No data available.
Explosive limits:	No data available.
Vapor Pressure:	No data available.
Vapor Density:	No data available.
Specific Gravity:	0.875 – 0.920 @ 25° C (77° F)
Solubility:	Insoluble in water.
Partition coefficient: (n-octanol/water)	No data available.
Autoignition Temp:	No data available.
Decomposition Temp:	No data available.
Viscosity:	No data available.

SECTION 10. STABILITY AND REACTIVITY

Reactivity:	No dangerous reactions known. Keep away from oxidizing agents and strong acid or alkaline materials.
Chemical Stability:	Product is stable at room temperature.
Hazardous Reactions:	No dangerous reactions expected if used according to specifications.
Incompatible Materials:	Strong oxidizing agents.
Hazardous Combustion or Decomposition Products:	Smoke may be acrid and fumes irritating. Burning generates Carbon Oxides and smoke.

SECTION 11.1 ROUTES OF EXPOSURE

Inhalation:	Refer to section 4.2
Skin Contact:	Refer to section 4.2
Eye Contact:	Refer to section 4.2
Ingestion:	Refer to section 4.2

SECTION 11.2 RELATED SYMPTOMS

Inhalation:	Refer to section 4.2
Skin Contact:	Refer to section 4.2
Eye Contact:	Refer to section 4.2
Ingestion:	Refer to section 4.2

SECTION 11.3 OTHER TOXICOLOGICAL INFORMATION

Delayed/Chronic Effects:	May cause allergic reactions on skin, may result in difficulty breathing.
Toxicity:	LD50 (oral) in mg/kg: > 5000 LD50 (dermal) in mg/kg: > 5000
Carcinogenic:	Not Carcinogenic.

SECTION 12.1 ECOLOGICAL INFORMATION

Eco-toxicity:	Avoid any pollution of ground, surface or underground water.
Persistence and Degradability:	Generally biodegradable.
Bio-accumulative:	No additional information available.
Mobility in Soil:	No additional information available.

SECTION 12.2 OTHER ECOLOGICAL INFORMATION

Other Adverse Effects:	No additional information available.
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SECTION 13. DISPOSAL CONSIDERATION

Waste Disposal Method:	Hazardous waste according to waste regulation Dispose according to legislation. Delivery to an approved waste disposal company.
Contaminated Packaging Disposal Method:	Non-contaminated packages may be recycled.

SECTION 14. TRANSPORT INFORMATION

DOT Shipping (Land):	Regulated
IATA Shipping (Air):	Regulated
IMDG Shipping (Boat):	Regulated
Proper Shipping Name:	Pine Oil
UN #:	1272
Hazard Class:	3
Packaging Group:	III

SECTION 15. REGULATORY INFORMATION

US Federal Regulations:	No additional information available.
International Regulations:	No additional information available.

SECTION 16. OTHER INFORMATION

Health Hazard (HMIS):	N/A
Flammability Hazard (HMIS):	N/A
Physical Hazard (HMIS):	N/A
Sara 313:	None
California Proposition 65:	This product contains trace amounts of naturally occurring Beta-Myrcene. Product is California Proposition 65 compliant.

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