

Material Safety Data Sheet

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

SECTION 1.1 PRODUCT IDENTIFICATION

Product Name: Balsam Fir Essential Oil
CAS #: 8021-28-1
EINECS #: 285-364-0

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
Skin Corrosion/Irritation 2
Sensitization - Skin 1
Aquatic Acute Environment 2
Aquatic Chronic Environment 2

SECTION 2.2 HAZARDS IDENTIFICATION

Signal Word: Warning
Hazard Pictograms:



Hazard Statement: H226 Flammable liquid and vapor.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H401 Toxic to aquatic life
H411 Toxic to aquatic life with long lasting effects.

Precautionary Statement: 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 Explosion-free electrical equipment and lighting with earth
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P261 Avoid breathing dust/fume/gas/mist/vapors/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

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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/shower
P321 Specific treatment (see supplemental first aid instruction on this label)
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.
P363 Wash contaminated clothing before reuse.
P370+P378 In case of fire: Use media other than water to extinguish.
P391 Collect spillage.
P403+P235 Store in a well-ventilated place. Keep cool.
P501 Dispose in a safe manner in accordance with local/national regulations.

SECTION 2.3 OTHER HAZARDS IDENTIFICATION

Other Hazards: No additional information available.

SECTION 3. COMPOSITION

Product Name	CAS #	EC #	Concentration
Balsam Fir	8021-28-1	285-364-0	100%

SECTION 4.1 NECESSARY FIRST AID MEASURES

Eye Contact:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.
Inhalation:	Remove person to fresh air and keep comfortable for breathing. Assure fresh air breathing. Allow the victim to rest.
Ingestion:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Call a POISON CENTER/doctor if you feel unwell.
Skin Contact:	Immediately take off all contaminated clothing. Rinse skin with plenty of water/shower. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention.

SECTION 4.2 SYMPTOMS

Eye Contact:	Irritation or redness.
Inhalation:	May cause an allergic skin reaction.
Ingestion:	No additional information available.
Skin Contact:	Causes skin irritation. May cause an allergic skin reaction.

SECTION 4.3 OTHER FIRST AID MEASURES

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

Suitable Extinguishing media:	Dry chemical powder. Foam. Dry powder. Carbon dioxide. Sand.
Unsuitable Extinguishing media:	Do not use a heavy water stream.

SECTION 5.2 SPECIAL HAZARDS

Special Hazards Arising from Chemical:	Fire hazard : Flammable liquid and vapour. Explosion hazard : May form flammable/explosive vapour-air mixture. Reactivity : Flammable liquid and vapour.
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SECTION 5.3 FIRE FIGHTING MEASURES

Firefighter Instructions:	Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent firefighting water from entering the environment.
Protection during firefighting:	Do not enter fire area without proper protective equipment, including respiratory protection. Do not attempt to act without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6.1 ACCIDENTAL RELEASE MEASURES

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Nature's Fusions, LLC | (801) 782-9500

Personal Precautions:	Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking.
Protective equipment:	Do not attempt to act without suitable protective equipment. Equip cleanup crew with proper protection.
Environmental Precautions:	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided. Report spills to appropriate authorities if required.

SECTION 6.2 ACCIDENTAL RELEASE CLEANING MEASURES

Methods and Material for Cleaning Up:	Collect spillage. Take up liquid spill into absorbent material. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. Notify authorities if product enters sewers or public waters. Dispose of materials or solid residues at an authorized site.
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SECTION 7.1 PRECAUTIONS FOR HANDLING

Precautions for handling:	Ensure good ventilation of the work station. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. No open flames. No smoking. Take precautionary measures against static discharge. Use only non-sparking tools. Avoid breathing dust/fume/gas/mist/vapors/spray. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Flammable vapors may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Avoid contact with skin and eyes.
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SECTION 7.2 CONDITIONS FOR SAFE STORAGE

Conditions for safe storage:	Keep only in the original container in a cool, well ventilated place away from sunlight. 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:	Ensure good ventilation of the work station.

SECTION 8.2 PERSONAL PROTECTION/EQUIPMENT

Eye/Face Protection:	Chemical goggles or safety glasses.
Hand Protection:	Wear protective gloves.
Skin and Body Protection:	Wear suitable protective clothing.
Respiratory Protection:	Wear appropriate mask.
Environmental Exposure Control:	Avoid release to the environment.

SECTION 8.3 ADDITIONAL INFORMATION

Other: Do not eat, drink or smoke during use.

SECTION 9.1 PHYSICAL PROPERTIES

Appearance: Medium, clear, colorless to pale yellow to greenish liquid.
Odor: Middle note of strong aroma, has the crisp, clean scent of fir needles.
Odor Threshold: No data available.
Physical State: Liquid.

SECTION 9.2 CHEMICAL PROPERTIES

pH: Specs 4.45-4.6, Results 4.5
Melting Point/Freezing Point: No data available.
Boiling Point: No data available.
Flash Point: 43° C
Evaporation Rate: No data available.
Flammability (solid, gas): No data available.
Explosive limits: No data available.
Vapor Pressure: 0.01 mm Hg 20°C
Vapor Density: No data available.
Specific Gravity: 0.850 – 0.890 @ 25° C (77° F)
Solubility: Poorly soluble 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: Flammable liquid and vapour.
Chemical Stability: Flammable liquid and vapour. May form flammable/explosive vapour-air mixture.
Hazardous Reactions: Not established.
Incompatible Materials: Strong acids. Strong bases.
Hazardous Combustion
or Decomposition Products: Carbon Monoxide. Carbon dioxide. May release flammable gases.

SECTION 11.1 ROUTES OF EXPOSURE

Inhalation: May cause an allergic skin reaction.
Skin Contact: Causes skin irritation. May cause an allergic skin reaction.
Eye Contact: Causes eye damage/irritation.
Ingestion: Not classified.

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:	Acute dermal toxicity: LD50 [Rabbit] - < 5,000 mg/kg Acute oral toxicity: LD50 [Rat] - < 5,000 mg/kg
Carcinogenic:	Not Carcinogenic.

SECTION 12.1 ECOLOGICAL INFORMATION

Eco-toxicity:	Toxic to aquatic life with long lasting effects.
Persistence and Degradability:	May cause long-term adverse effects in the environment.
Bio-accumulative:	Not established.
Mobility in Soil:	No additional information available.

SECTION 12.2 OTHER ECOLOGICAL INFORMATION

Other Adverse Effects:	Avoid release to the environment.
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SECTION 13. DISPOSAL CONSIDERATION

Waste Disposal Method:	Dispose of contents/container in accordance with licensed collector's sorting instructions. Avoid release to the environment.
Contaminated Packaging Disposal Method:	Dispose in a safe manner in accordance with local/national regulations. Avoid release to the environment.

SECTION 14. TRANSPORT INFORMATION

DOT Shipping (Land):	Not regulated
IATA Shipping (Air):	Regulated
IMDG Shipping (Boat):	MFAG-No: 171
Proper Shipping Name:	Flammable liquids, N.O.S.
UN #:	1993
Hazard Class:	3
Packaging Group:	III

SECTION 15. REGULATORY INFORMATION

US Federal Regulations:	Listed on the United States TSCA (Toxic Substances Control Act) inventory
International Regulations:	Listed on the Canadian DSL (Domestic Substances List)

SECTION 16. OTHER INFORMATION

Health Hazard (HMIS):	0 Minimal Hazard
Flammability Hazard (HMIS):	2 Moderate Hazard
Physical Hazard (HMIS):	0 Minimal Hazard
Sara 313:	None
California Proposition 65:	This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm per the Safe Drinking Water and Enforcement Act of 1986.

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