

Product Name:	Pine Scotch Essential Oil
Botanical Name:	Pinus sylvestris
Synonyms:	Pinus rubra, Pinus sylvestris var. mongolica, Pinus densiflora f. sylvestriformis,
	Pinus hamata, Pinus nigra f. pygmaea, Pinus sylvestris f. nana, Pinus nigra f.
	рудтаеа
INCI Name:	Pinus sylvestris leaf oil
CAS #:	8023-99-2
Country of Origin:	Hungary

#### **SECTION: 1.2 COMPANY IDENTIFICATION**

Saffire Blue Inc. 1444 Bell Mill Road Tillsonburg, ON N4G4G9 Canada Tel: 519-286-0295

## 24 HOUR EMERGENCY TELEPHONE NUMBER: (613)-996-6666 CANUTEC

SECTION: 2. COMPOSITION / INFORMATION INGREDIENTS			
<b>Contents:</b>	Bornyl ac	etate, myrcene, limo	onene, alpha pinene, beta pinene, cadinol,
α-Pinene: Limonene:	30 – 35 % 15 – 20 %	β-Pinene: δ -3-Carene:	12 – 17 % 10 – 15 %

## SECTION: 3. HAZARDS IDENTIFICATION

N/A

**Company:** 

	SECTION: 4. FIRST AID MEASURES
Eye Contact:	Contact with eyes can produce burning sensation. Irrigate with water immediately, continue flushing eyes with water for 15 minutes. Seek
	medical attention if irritation persists.
Inhalation:	Remove to fresh air. Give oxygen if breathing is labored and seek medical
	advice. Avoid casual breathing. Signs of over exposure are dizziness and nausea.
Ingestion:	Rinse mouth; dilute with milk or water and consult a physician
	immediately. Do not induce vomiting. Never-give anything by mouth if
Skin Contact:	victim is unconscious, is rapidly-losing or is Convulsing. Skin contact can produce irritation, or itching of the skin. Remove
Shin Contact.	contaminated clothing Wash with soap and plenty of water. Seek medical attention if irritation persists.
[	SECTION: 5. FIRE FIGHTING MEASURES
Flash Point:	42°C

Flash Point:	42°C
Extinguishing media:	Carbon Dioxide, dry chemical or foam. Closed containers may build up
	pressure at elevated temperature
Special Procedures:	Determine the need to evacuate or isolate the area according to your local emergency plan.



Firefighting Hazards: Protective Equipment:	None identified. Self-contained breathing apparatus and protective clothing should be worn
Combustion Product:	when fighting fires involving essential oils or chemicals. Carbon Monoxide, Carbon Dioxide
	ION: 6. ACCIDENTAL RELEASE MEASURES
<b>Personal Precautions:</b>	Use of self-contained breathing apparatus is recommended for any major
Safety Precautions:	chemical spill. Refer also to section 8. Eliminate all ignition sources. Ventilate area. Determine the need to Evacuate or isolate the area according to your local emergency plan.
<b>Environmental Precautions:</b>	Keep away from drains, surface and ground water. Report spills to appropriate Authorities if required.
Methods For Cleaning Up:	Contain and collect with inert absorbent material and place in suitable container for disposal. Comply with all federal, state, and local regulation. Wipe small spills with cloth. Clean with hot water and detergent.
S	ECTION: 7. HANDLING AND STORAGE
Handling:	Avoid inhalation and contact with skin and eyes. Good personal hygiene practices should be used. Wash after any contact, before breaks and meals, and at the end of the work period. Contaminated clothing and shoes should be cleaned before re-use.
Storage:	Containers should be kept closed in order to minimize contamination. Store in a cool, dry, well ventilated place protected from light. Keep away from extreme heat and from freezing conditions and away from all sources of ignition. Make sure the material does not come into contact with substances listed as: "Materials to Avoid".
SECTION: 8. EX	POSURE CONTROLS AND PERSONAL PROTECTION
Eyes Protection:	The use of safety glasses is recommended. If a material is to be handled in a manner where splashing may occur, the use of splash goggles or face shield is recommended
Respiratory Protection:	In well- ventilated areas, respiratory protection is not normally required. In confined, poorly ventilated areas the use of "NIOSH" approved respiratory protection normally required (use only if trained in proper use and with acceptable oxygen level).
<b>Protective Gloves:</b>	Using chemical resistant gloves is recommended.
<b>Protective Clothing:</b>	Using chemical resistant clothing is recommended.
Protective Equipment:	An eyewash fountain and / or safety shower should be available in the work area. Acceptable industrial hygiene practices should be maintained.
Note:	These precautions are for room temperature handling. Use at elevated temperature or aerosol / spray applications may require additional precautions.
SECTION	N: 9. PHYSICAL AND CHEMICAL PROPERTIES
Appearance:	Colorless to pale yellow liquid.
Odor:	Characteristic pine odor.
Solubility:	Soluble in alcohol and oils. Insoluble in water.



Specific Gravity: Refractive Index: Optical Rotation: Extraction Method: 0.857 – 0.885 @ 20°C 1.465 – 1.479 @ 20°C -4.0 – +10 @ 20°C Steam distillation of pine needles.

## SECTION: 10. STABILITY AND REACTIVITY

Stability:	Chemically stable. This material presents no significant reactivity hazard.	
Conditions to Avoid:	Avoid sparks, flame and excessive heat.	
Materials to Avoid:	Strong oxidizing agents.	
Hazardous Polymerization:	Will not occur.	
Hazardous Combustion or	None known.	
Decomposition Products:	When heated to decomposition produces acid fumes and carbon monoxide smoke.	
SECTION: 11. TOXICOLOGICAL INFORMATION		
Inhalation:	Inhalation of high concentrations of vapor may result in irritation of eyes,	

	nose and throat, headache, nausea, and dizziness.
Skin Contact:	Repeated or prolonged contact can cause redness, irritation and scaling of
	skin (Dermatitis). Adverse skin effects should be prevented by normal
	care and personal hygiene
Eye Contact:	May irritate eyes.
Ingestion:	Low order toxicity causing irritation of the stomach and intestines which
C	results in nausea and vomiting.
Medical Conditions Aggrav	ated
by Exposure:	May aggravate dermatitis, psoriasis and other skin conditions.
Chronic Toxicity:	May cause allergic reactions on skin
Carcinogenicity Data:	None of the components of this material are listed as a carcinogen.
<b>Reproductive Toxicity</b> :	No adverse effects on reproduction are known.
Acute Toxicity Values:	No data is currently available.

#### SECTION: 12. ECOLOGICAL INFORMATION

Very toxic to aquatic organism may cause long-term adverse effects in the aquatic environment. Avoid any pollution of ground, surface or underground water.

#### SECTION: 13. DISPOSAL CONSIDERATION

Dispose of in accordance with local, provincial and federal regulations. Check with disposal expert to insure compliance

SECTION: 14. TRANSPORT INFORMATION		
US DOT Shipping Description:		
UN No.:	1169	
Proper Shipping Name:	Liquid aromatic extract	
Packaging Group:	III	
Class:	3	
IATA Shipping (Air):		
UN No.:	1169	
<b>Proper Shipping Name:</b>	Liquid aromatic extract	



Packaging Group:	III
Class:	3
IMDG Shipping Description:	
UN No.:	1169
Proper Shipping Name:	Liquid aromatic extract
Packaging Group:	III
Class:	3

SECTION: 15. REGULATORY INFORMATION			
WHMIS (Canada):		N/A	
	R10	Flammable.	
	Xn R22	Harmful if swallowed.	
EU Labeling:	Xi R38	Irritating to skin	
	\$36/37/38	Wear suitable protective clothing, gloves and eye/face protection.	

## **SECTION: 16. OTHER INFORMATION**

Revision Date: May 12, 2014

#### **SECTION: 17. DISCLAIMER**

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# **CERTIFICATE OF ANALYSIS**

Product:	Pine Scotch Essential Oil
Lot No.:	11120-A18/B18
<b>Best Before Date:</b>	March, 2016
	Store in air tight container; in a cool dry area; away from direct sunlight.

<u>Property</u>	<b>Specification</b>	<u>Result</u>
Appearance:	Colorless to pale yellow liquid.	Complies
Odor:	Characteristic pine odor.	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Specific Gravity:	0.857 – 0.885 @ 20°C	0.864
Refractive Index:	1.465 – 1.479 @ 20°C	1.470
Optical Rotation:	-4.0 - +10 @ 20°C	1.7
Pinene Alpha:		31.4%

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