

MATERIAL SAFETY DATA SHEET Rev. Date 11/31/2014

1. Product Identification	
Product Name:	Fir Needle Oil
Botanical Name:	Abies alba
CAS #	8021.29.2
Country of Origin:	India

2. Classification	
UN No.:	N/A

3. Physical & Chemical Properties	
Appearance:	Colorless to pale yellow liquid
Odor:	Characteristic sweet woody odor
Solubility:	Soluble in alcohol and oils. Almost insoluble in water
Specific Gravity:	0.895 to 0.908 @ 20°C
Optical Rotation:	.60.0 to .30.0 @ 20°C
Refractive Index:	1.450 to 1.500 @ 20°C
Extraction method:	Steam Distillation

4. Fire/Explosion Hazard	
Flash Point:	78°C

5. Reactivity/Stability Data	
Reactivity:	Stable
Decomposition:	N/A

6. Toxicological Properties/Information	
May be irritating to skin and eyes.	

7. Preventive Data	
Spillage:	Absorb spills using an inert, inorganic absorbent material
Fire:	Recommended extinguishing media – CO ₂ , foam and dry chemicals
Environment:	Keep away from drains, surface and ground water
Storage:	Store in cool, dry, well ventilated area

8. First Aid Measures	
Eye Contact:	Flush with water for at least 15 minutes and report to physician.

Inhalation:	Remove to fresh air. Avoid casual breathing.
Ingestion:	Rinse mouth and consult physician immediately.
Skin Contact:	Remove contaminated clothing. Wash with soap and plenty of water.

9. Individual Protection of Industrial Use

Always use safety goggles.
 Handle in a well ventilated area, and avoid breathing in vapor directly.
 Always avoid skin contact with concentrated product by wearing lab overalls and gloves.

10. Stability and Reactivity

Chemical Stability:	Stable
Conditions to Avoid:	Strong oxidizers

11. Toxicological Information

RTECS#:	N/A
LD50/LC50:	N/A
Carcinogenicity:	N/A
Other:	N/A

12. Ecological Information

Avoid any pollution of ground, surface of underground water.

13. Disposal Considerations

Incineration or sanitary landfill in accordance with federal, state and local regulations.

14. Transport Information

Shipping Name:	Fir Needle Oil
Hazard Class:	-
UN Number:	-
Packing Group:	-

15. Regulatory Information

WHMIS (Canada):	N/A
HMIS (USA):	N/A
SARA 302/ SARA 313:	None
EU Labeling:	R10 : Flammable
	Xn R22: Harmful if swallowed
	Xi R38: Irritating to skin
	S 36/37/38: Wear suitable protective clothing, gloves and eye/face protection

16. Other Information

N/A

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