

## **TECHNICAL DATA SHEET**

Sr. No. : UL3000172-V-0	4			Issue Date:	13/04/2023				
QUALITY CONTROL : We	declare that certificate of analysis	s of this material is inspec	ted according to quality parameters as	s below :					
Item Code	UL3000172								
Item Name	FIR NEEDLE OIL SIBER	AN							
Intertek	intertel	M Dick AS Systems Syst	Intertek	Intertek					
Test Parameters			Specifications						
CAS #		8021-29-2							
EINECS #		294-351-9							
FEMA#		2905							
Botanical Name		Abies sibirica							
Description Colourless to Pale yellow mobile liquid with Characteristic sweet, piney o									
Origin		The volatile oil obtained by steam distillation from needles and twigs of Abies sibirica Lebed.							

Origin	The volatile oil obtained by steam of Lebed.	The volatile oil obtained by steam distillation from needles and twigs of Abies sibirica Lebed.							
Appearance	Colourless to Pale yellow	Colourless to Pale yellow							
Physical Status	Liquid	Liquid							
Flash Point (Closed cup) °C	44°C								
Refractive Index	1.460 - 1.480 @20°C	1.460 - 1.480 @20°C							
Relative Density	0.890 - 0.915 @25°C	0.890 - 0.915 @25°C							
Optical Rotation	-45° to -30°	-45° to -30°							
Solubility in Alcohol	Soluble								
Solubility in Water	Insoluble								
Assay by GC	Bornyl acetate: 23-30%	Camphene: 20-30%							
	delta-3-carene: 8-20%	alpha-Pinene: 10-20%							
	beta-Pinene: 1.5-4%								
Shelf Life	12 months with proper storage con	12 months with proper storage conditions.							
Legislation	Natural								
Stability	Avoid strong acids strong bases & a	Avoid strong acids strong bases & all oxidizing agents.							
Uses	Fragrance and Flavour application.	Fragrance and Flavour application.							

PACKING & STORAGE	Should be stored in cool, dry, well ventilated places in full, tightly sealed containers, protected from light & source of ignition.					
HANDLING PRECAUTION	Handle in adequate ventilation Avoid skin and eye contact use goggles or face shield and wear protective clothing					

## This is a system generated document hence need not be authenticated.

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