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## Typical Product Specifications & Properties

# fir needle oil

CAS Number: : 8021-29-2

Specifications	Limits
Density	0.905-0.925 (1515 c)
Odor Type	balsamic
Appearance	pale yellow clear liquid
Specific gravity	0.89500 to 0.92000 @ 25.00 °C
Vapor Pressure	0.580000 mm/Hg @ 25.00 °C
Storage	store in cool, dry place in tightly sealed containers, protected from heat and light
Pounds/Gallon	7.447 to 7.655
Refractive Index	1.45700 to 1.47000 @ 20.00 °C
Optical Rotation	-33.00 to -45.00
Boiling Point	132.00 °C. @ 760.00 mm Hg
Shelf Life	24 month(s) or longer if stored properly
Flash Point	104.00 °F.TCC



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Specifications	Limits
Odor	fresh dry fir forest earthy woody
Insolubility	in glycerin, propylene glycol, water
Color	colorless to pale yellow liquid
Solubility	equal vol. 90 alcohol



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