

TECHNICAL DATA SHEET

11/25/2009

ALPHA TERPINYL FORMATE			
p-Menth-1-en-8-yl formate			
Formula: C ₁₁ H ₁₈ O ₂	FW: 182.27	Kosher: <input checked="" type="checkbox"/>	FCC: <input type="checkbox"/>
Appearance and Color: } Clear liquid / Colorless	Part Code: 13693		
Density (g/ml) _{d₄²⁰} = 0.971-0.991	RI: n _D ²⁵ = 1.465-1.475	Soluble in: Code: FS=Freely, SpS=Sparingly, VSI=Very Slightly, I=Insoluble	
Flash Point: 97°C Method: Closed Cup	Boiling Point: 220°C	<input type="checkbox"/> FS Alcohol	<input type="checkbox"/> I Propylene Glycol
Vapor Press: 0.03 mm Hg, 20°C log K(ow): 3.79	Acid Number: ≤ 2.0	<input type="checkbox"/> FS Essential Oils	<input type="checkbox"/> SS Water (Slightly)
CHROMATOGRAPHIC ANALYSIS Purity: ≥ 90.0 %			
GC: 0.53 mm ID x 30 m length, ~ 4.5 ml/min He Carrier Gas. FID DB-5: 100°C (5 min HOLD) to 225°C at 10°C/min			
REFERENCE NUMBERS	Natural/Nature Identical/Artificial: <input type="checkbox"/> NI	ODOR/TASTE	
FEMA/GRAS N°: 3052 Co. Europe N°: 348 C.A.S. N°: 2153-26-6 EINECS N°: 218-444-0 TARIFF N°: 2915.13.1000	NATURAL OCCURRENCE Probably occurs in Ceylon cardamom essential oil	Sweet, lavender, citrus /	
TRANSPORT:			
Hazard: none	REGULATION	HAZ. CLASS	PG UN N°
Point 1 2 3 4	1 R.T.M.D.		
Not Regulated	2 ADR/RID		
<u>Category / other info:</u>	3 I.A.T.A.		
	4 I.M.D.G.		
SAFETY DATA: Available	TSCA: listed	PACKING CONTAINERS:	
STORAGE: Under Nitrogen	Temperature: ≤ -18°C <input type="checkbox"/>	<input type="checkbox"/> Epoxy-coated Steel Drums	
	≤ 5°C <input type="checkbox"/>	<input checked="" type="checkbox"/> Stainless Steel Drums	
Shelf Life: ~ 6 months	RT <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Aluminum Bottles	
		<input checked="" type="checkbox"/> Glass Bottles	
		<input type="checkbox"/> Plastic / Plastic-lined drums	

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