

**TECHNICAL DATA SHEET**

11/25/2009

<b>ZINGERONE</b>			
4-(4-hydroxy-3-methoxyphenyl)-2-butanone; Vanillyl acetone			
Formula: C <sub>11</sub> H <sub>14</sub> O <sub>3</sub>	FW: 194.23	Kosher: <input checked="" type="checkbox"/>	FCC: <input checked="" type="checkbox"/>
Appearance and Color: } Liquid ( may crystalize at Room Temp) / Off-white to yellow-brown	Part Code: <b>13935</b>		
Density (g/ml) <sub>d<sub>4</sub><sup>20</sup></sub> = 1.136 - 1.140	RI: n <sub>D</sub> <sup>25</sup> = 1.538 - 1.545	Soluble in: Code: FS=Freely, SpS=Sparingly, VSI=Very Slightly, I=Insoluble	
Flash Point: 208°F / 98°C Method: Closed Cup	Melting Point: 35-40°C	<input type="checkbox"/> FS Alcohol	<input type="checkbox"/> FS Propylene Glycol <input type="checkbox"/> I Essential Oils <input type="checkbox"/> I Water
Vapor Press: .001 mm Hg, 20°C log K(ow): 1.31	Acid Number: ≤ NA	<input type="checkbox"/> I Water	
<b>CHROMATOGRAPHIC ANALYSIS</b>			
Purity: ≥ 97.0 % GC: 0.53 mm ID x 30 m length, ~ 4.5 ml/min He Carrier Gas. FID DB-5: 100°C (0 min HOLD) to 225°C at 10°C/min. C~1.9,T~2.3			
<b>REFERENCE NUMBERS</b> FEMA/GRAS N°: 3124 Co. Europe N°: 139 C.A.S. N°: 122-48-5 EINECS N°: 204-548-3 TARIFF N°: 2914.50.3000	Natural/Nature Identical/Artificial: <input type="checkbox"/> NI	<b>ODOR/TASTE</b> Spicy, sweet, reminiscent of ginger. / Sharp, pungent.	
<b>TRANSPORT:</b>	<b>NATURAL OCCURRENCE</b> Raspberry, cranberry, ginger, mango.		
Hazard: Toxic	<b>REGULATION</b>	<b>HAZ. CLASS</b>	<b>PG</b>
Point 1 2 3 4 Not Regulated	1 R.T.M.D.		
Category / other info: Ketones, liquid, n.o.s.	2 ADR/RID		
	3 I.A.T.A.		
SAFETY DATA: Available	4 I.M.D.G.		
	TSCA: Listed	<b>PACKING CONTAINERS:</b>	
STORAGE: Under Nitrogen Temperature: ≤ -18°C <input type="checkbox"/> ≤ 5°C <input type="checkbox"/> Shelf Life: ~ 12 months RT <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Epoxy-coated Steel Drums <input type="checkbox"/> Stainless Steel Drums <input type="checkbox"/> Aluminum Bottles <input type="checkbox"/> Glass Bottles <input checked="" type="checkbox"/> Plastic / Plastic-lined drums		

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