

**TECHNICAL DATA SHEET**

11/25/2009

<b>DIACETYL</b>				
2,3-Butanedione; Diacetyl; 2,3-Butadione		$\begin{array}{c} \text{O} \quad \text{O} \\    \quad    \\ \text{Me} - \text{C} - \text{C} - \text{Me} \end{array}$		
Formula: C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>	FW: 86.09	Kosher: <input checked="" type="checkbox"/>		FCC: <input checked="" type="checkbox"/>
Appearance and Color: } Liquid / Yellow to greenish liquid	Part Code: <b>50014</b>			
Density (g/ml) <sub>d<sub>4</sub><sup>20</sup></sub> = 0.970-1.020	RI: n <sub>D</sub> <sup>25</sup> = 1.390-1.410	Soluble in: <small>Code: FS=Freely, SpS=Sparingly, VSI=Very Slightly, I=Insoluble</small>		
Flash Point: 7°C Method: Closed Cup	Boiling Point: 88°C	<input type="checkbox"/> Alcohol		
Vapor Press: 52.2 mm Hg, 20°C log K(ow): 0.467	Acid Number: ≤ NA	<input type="checkbox"/> Propylene Glycol		
		<input type="checkbox"/> Essential Oils		
		<input type="checkbox"/> Water		
<b>CHROMATOGRAPHIC ANALYSIS</b> Purity: ≥ NLT 98.0%				
GC: 0.53 mm ID x 30 m length, ~ 4.5 ml/min He Carrier Gas. FID DB-5: 50°C (15 min HOLD) to 200°C at 10°C/min				
<b>REFERENCE NUMBERS</b>		Natural/Nature Identical/Artificial: <input type="checkbox"/> NI		<b>ODOR/TASTE</b>
FEMA/GRAS N°: 2370 Co. Europe N°: 752 C.A.S. N°: 431-03-8 EINECS N°: 207.069.8 TARIFF N°: 2914.19.0000		<b>NATURAL OCCURRENCE</b> Oils of: finnish pine, angelica & lavender. Found in ligonberry, guava, raspberry, strawberry, cabbage, peas, tomato, vinegar, milk, cheese, yogurt, meats, tea, coffee, wines, whiskies		Milk, cheese. Butter upon dilution. /
<b>TRANSPORT:</b>				
Hazard: Flammable	<b>REGULATION</b>	<b>HAZ. CLASS</b>	<b>PG</b>	<b>UN N°</b>
Point	1 R.T.M.D.	3		2346
Not Regulated	2 ADR/RID	3	II	2346
<u>Category / other info:</u>	3 I.A.T.A.	3	II	2346
	4 I.M.D.G.	3	II	2346
SAFETY DATA: Available	TSCA: Listed	<b>PACKING CONTAINERS:</b>		
STORAGE: Under Nitrogen		<input checked="" type="checkbox"/> Epoxy-coated Steel Drums		
Temperature: ≤ -18°C <input checked="" type="checkbox"/>		<input checked="" type="checkbox"/> Stainless Steel Drums		
≤ 5°C <input type="checkbox"/>		<input checked="" type="checkbox"/> Aluminum Bottles		
Shelf Life: ~ 12 months	RT <input type="checkbox"/>	<input checked="" type="checkbox"/> Glass Bottles		
		<input checked="" type="checkbox"/> Plastic / Plastic-lined drums		

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