

**TECHNICAL DATA SHEET**

11/25/2009

<b>ACETOIN SYNTH</b>		$  \begin{array}{c}  \text{O} \quad \text{OH} \\     \quad   \\  \text{Me} - \text{C} - \text{CH} - \text{Me}  \end{array}  $			
3-Hydroxy-2-butanone					
Formula: C4 H8 O2	FW: 88.12	Kosher: <input checked="" type="checkbox"/>		FCC: <input checked="" type="checkbox"/>	
Appearance and Color: } Liquid / Colorless or yellow				Part Code: <b>50054</b>	
Density (g/ml) $d_4^{20} = 0.995-1.02$	RI: $n_D^{25} = 1.415-1.421$	Soluble in: <small>Code: FS=Freely, SpS=Sparingly, VSI=Very Slightly, I=Insoluble</small>			
Flash Point: 47°C Method: Closed Cup	Boiling Point: 148°C	<input type="checkbox"/> S Alcohol			
Vapor Press: mm Hg, 20°C log K(ow):	Acid Number: ≤ NA	<input type="checkbox"/> S Propylene Glycol			
		<input type="checkbox"/> I Essential Oils			
		<input type="checkbox"/> I Water			
<b>CHROMATOGRAPHIC ANALYSIS</b> Purity: ≥ NLT 96.0% (monomer)					
GC: 0.53 mm ID x 30 m length, ~ 4.5 ml/min He Carrier Gas. FID DB5 70°C (HOLD 10') to 200°C @ 10/min					
<b>REFERENCE NUMBERS</b>		Natural/Nature Identical/Artificial: <input type="checkbox"/> NI		<b>ODOR/TASTE</b>	
FEMA/GRAS N°: 2008 Co. Europe N°: 749 C.A.S. N°: 513-86-0 EINECS N°: 208-174-1 TARIFF N°: 2914.40.9000		<b>NATURAL OCCURRENCE</b> Apple, cocoa, butter and cream		Cream (Verified by Flavorist/Fragrancer) /	
<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	III	2621	
Not Regulated	2 ADR/RID	3	III	2621	
<u>Category / other info:</u>	3 I.A.T.A.	3	III	2621	
	4 I.M.D.G.	3	III	2621	
SAFETY DATA: Available	TSCA: Listed	<b>PACKING CONTAINERS:</b>			
STORAGE: Under Nitrogen	<input type="checkbox"/> Epoxy-coated Steel Drums <input checked="" type="checkbox"/> Stainless Steel Drums <input checked="" type="checkbox"/> Aluminum Bottles <input checked="" type="checkbox"/> Glass Bottles <input checked="" type="checkbox"/> Plastic / Plastic-lined drums				
Temperature: ≤ -18°C <input type="checkbox"/>					
≤ 5°C <input checked="" type="checkbox"/>					
Shelf Life: ~ 12 months	RT <input type="checkbox"/>				

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