

TECHNICAL DATA SHEET

11/24/2009

ETHYL 3-HYDROXY BUTYRATE		$ \begin{array}{c} \text{CH}_3 \quad \text{CH}_2 \quad \text{C} \quad \text{O} \quad \text{CH}_2 \quad \text{CH}_3 \\ \quad \quad \quad \quad \quad \quad \\ \text{CH} \quad \quad \quad \text{O} \\ \\ \text{OH} \end{array} $		
Ethyl 3-Hydroxy Butanoate				
Formula: C ₆ H ₁₂ O ₃	FW: 132.16	Kosher: <input checked="" type="checkbox"/>		FCC: <input type="checkbox"/>
Appearance and Color: } Clear liquid / Colorless to pale yellow	Part Code: 11677			
Density (g/ml) _{d₄²⁰} = 1.010-1.017	RI: n _D ²⁵ = 1.416-1.424	Soluble in: Code: FS=Freely, SpS=Sparingly, VSI=Very Slightly, I=Insoluble		
Flash Point: 64°C Method: Closed Cup	Boiling Point: 170°C	<input type="checkbox"/> FS Alcohol		
Vapor Press: 1.7 mm Hg, 20°C log K(ow): 0.31	Acid Number: ≤ 2.0	<input type="checkbox"/> FS Propylene Glycol		
		<input type="checkbox"/> FS Essential Oils		
		<input type="checkbox"/> FS Water		
CHROMATOGRAPHIC ANALYSIS Purity: ≥ 97.0 %				
GC: 0.53 mm ID x 30 m length, ~ 4.5 ml/min He Carrier Gas. FID AT-AquaWax: 60°C (0 min HOLD) to 225°C at 10°C/min				
REFERENCE NUMBERS		Natural/Nature Identical/Artificial: <input type="checkbox"/> NI		ODOR/TASTE
FEMA/GRAS N°: 3428 Co. Europe N°: C.A.S. N°: 5405-41-4 EINECS N°: 226-456-2 TARIFF N°: 2918.19.9000		NATURAL OCCURRENCE Passion fruit, rum, sherry, orange juice, guava, tea, mango, pineapple, mountain papaya, naranjilla fruit, quince, and wine.		Mild ethereal, fruity odor with black currant reminiscence. / Fruity, green, wine-like taste reminiscent of pineapple and strawberry.
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		<input checked="" type="checkbox"/> Epoxy-coated Steel Drums		
Temperature: ≤ -18°C <input type="checkbox"/>		<input checked="" type="checkbox"/> Stainless Steel Drums		
≤ 5°C <input type="checkbox"/>		<input checked="" type="checkbox"/> Aluminum Bottles		
Shelf Life: ~ 24 months	RT <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Glass Bottles		
		<input type="checkbox"/> Plastic / Plastic-lined drums		

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