

TECHNICAL DATA SHEET

11/25/2009

METHYL BUTYRATE		$\text{CH}_3 - \text{CH}_2 - \text{CH}_2 - \text{C} \begin{array}{l} \diagup \text{O} - \text{CH}_3 \\ \parallel \text{O} \end{array}$		
Butyric Acid Methyl Ester				
Formula: C5 H10 O2	FW: 102.13	Kosher: <input checked="" type="checkbox"/>		FCC: <input checked="" type="checkbox"/>
Appearance and Color: } Clear liquid / Colorless	Part Code: 12811			
Density (g/ml) $d_4^{20} = 0.897-0.902$	RI: $n_D^{25} = 1.384-1.391$	Soluble in: <small>Code: FS=Freely, SpS=Sparingly, VSI=Very Slightly, I=Insoluble</small>		
Flash Point: 11°C (53°F) Method: Closed Cup	Boiling Point: 102-103°C	<input type="checkbox"/> FS Alcohol		
Vapor Press: 24 mm Hg, 20°C log K(ow): 1.36	Acid Number: ≤ 1.0	<input type="checkbox"/> FS Propylene Glycol		
		<input type="checkbox"/> FS Essential Oils		
		<input type="checkbox"/> SpS Water 1:60; Merck		
CHROMATOGRAPHIC ANALYSIS Purity: ≥ 99.5 %				
GC: 0.53 mm ID x 30 m length, ~ 4.5 ml/min He Carrier Gas. FID AT-AquaWax: 60°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°: 2693 Co. Europe N°: 263 C.A.S. N°: 623-42-7 EINECS N°: 210-792-1 TARIFF N°: 2915.60.5000		NATURAL OCCURRENCE Apple, apricot, orange, grapefruit, tangerine, cranberry, blueberry, guava, grapes, melon, papaya, pineapple, blackberry, strawberry, tomato, cheese, egg, beef, white wine, coffee, tea, honey, olive, passion fruit, plum, mushroom,		Apple-like odor with banana-pineapple undertone. /
TRANSPORT:				
Hazard: Flammable	REGULATION	HAZ. CLASS	PG	UN N°
Point 1 2 4	1 R.T.M.D.			
Not Regulated	2 ADR/RID			
Category / other info:	3 I.A.T.A.	3	305/307 II	1237
SARA 313 listed: NO	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 type="checkbox"/> Stainless Steel Drums		
≤ 5°C <input type="checkbox"/>		<input checked="" type="checkbox"/> Aluminum Bottles		
Shelf Life: ~ 30 months	RT <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Glass Bottles		
		<input type="checkbox"/> Plastic / Plastic-lined drums		

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