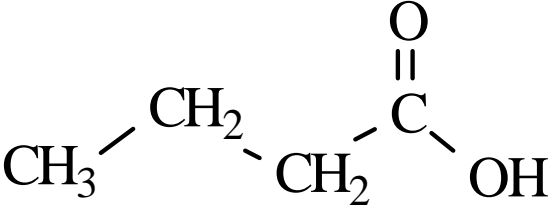


TECHNICAL DATA SHEET

11/24/2009

n-BUTYRIC ACID				
Butanoic Acid				
Formula: C4 H8 O2	FW: 88.11	Kosher: <input checked="" type="checkbox"/>		FCC: <input checked="" type="checkbox"/>
Appearance and Color: } Clear liquid / Colorless	Part Code: 11194			
Density (g/ml) _{d₄²⁰} = NA	RI: n _D ²⁵ = NA	Soluble in: <small>Code: FS=Freely, SpS=Sparingly, VSI=Very Slightly, I=Insoluble</small>		
Flash Point: 76°C Method: Closed Cup	Boiling Point: 163°C	<input type="checkbox"/> FS Alcohol		
Vapor Press: 0.7 mm Hg, 20°C log K(ow): 1.07	Acid Number: ≤ NA	<input type="checkbox"/> FS Propylene Glycol		
		<input type="checkbox"/> FS Essential Oils		
		<input type="checkbox"/> FS Water		
CHROMATOGRAPHIC ANALYSIS Purity: ≥ 99.0 %				
GC: 0.53 mm ID x 30 m length, ~ 4.5 ml/min He Carrier Gas. FID AT-AquaWax: 140°C (5 min HOLD) to 225°C at 10°C/min. (11.5 min. HOLD)				
REFERENCE NUMBERS		Natural/Nature Identical/Artificial: <input type="checkbox"/>		ODOR/TASTE
FEMA/GRAS N°: 2221 Co. Europe N°: 5 C.A.S. N°: 107-92-6 EINECS N°: 203-532-3 TARIFF N°: 2915.60.5000		NATURAL OCCURRENCE Butter, essential oils, strawberry, nutmeg.		Persistent, penetrating, rancid, butter-like odor. / Burning, acid taste
TRANSPORT:				
Hazard:	REGULATION	HAZ. CLASS	PG	UN N°
Point 1 2 4	1 R.T.M.D.			
Not Regulated	2 ADR/RID			
<u>Category / other info:</u>	3 I.A.T.A.	8	818/820 III	2820
	4 I.M.D.G.			
SAFETY DATA: Available	TSCA:	PACKING CONTAINERS:		
STORAGE: Under Nitrogen	Temperature: ≤ -18°C <input type="checkbox"/>	<input type="checkbox"/> Epoxy-coated Steel Drums		
	≤ 5°C <input type="checkbox"/>	<input type="checkbox"/> Stainless Steel Drums		
Shelf Life: ~ 12 months	RT <input checked="" type="checkbox"/>	<input type="checkbox"/> Aluminum Bottles		
		<input checked="" type="checkbox"/> Glass Bottles		
		<input checked="" type="checkbox"/> Plastic / Plastic-lined drums		

Unless otherwise noted, this data sheet is for your information only and Fontarôme Chemical cannot be held responsible for its contents.