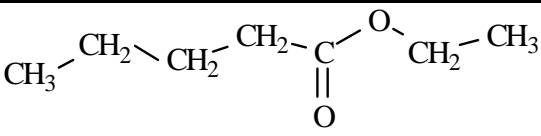


**TECHNICAL DATA SHEET**

11/24/2009

<b>ETHYL n-VALERATE</b>				
Ethyl Pentanoate				
Formula: C7 H14 O2	FW: 130.18	Kosher: <input checked="" type="checkbox"/>		FCC: <input type="checkbox"/>
Appearance and Color: } Clear liquid / Colorless to pale yellow	Part Code: <b>11761</b>			
Density (g/ml) <sub>d<sub>4</sub><sup>20</sup></sub> = 0.870-0.875	RI: n <sub>D</sub> <sup>25</sup> = 1.399-1.404	Soluble in: <small>Code: FS=Freely, SpS=Sparingly, VSI=Very Slightly, I=Insoluble</small>		
Flash Point: 95°F Method: Closed Cup	Boiling Point: 145°C	<input type="checkbox"/> FS Alcohol		
Vapor Press: 2.3 mm Hg, 20°C log K(ow): 2.34	Acid Number: ≤ 1.0	<input type="checkbox"/> FS Propylene Glycol		
		<input type="checkbox"/> FS Essential Oils		
		<input type="checkbox"/> SS Water		
<b>CHROMATOGRAPHIC ANALYSIS</b> Purity: ≥ 98.0 %				
GC: 0.53 mm ID x 30 m length, ~ 4.5 ml/min He Carrier Gas. FID DB-5: 60°C (5 min HOLD) to 225°C at 10°C/min				
<b>REFERENCE NUMBERS</b>		Natural/Nature Identical/Artificial: <input type="checkbox"/> NI		<b>ODOR/TASTE</b>
FEMA/GRAS N°: 2462 Co. Europe N°: 465 C.A.S. N°: 539-82-2 EINECS N°: 208-726-1 TARIFF N°: 2915.60.5000		<b>NATURAL OCCURRENCE</b> Apple, banana, guava, strawberry, passion fruit, cocoa, coffee, cider, whiskey, rum, cheeses.		Fruity odor suggestive of apple. / Sweet fruity, apple taste.
<b>TRANSPORT:</b>				
Hazard: Flammable	<b>REGULATION</b>	<b>HAZ. CLASS</b>	<b>PG</b>	<b>UN N°</b>
Point 1 2 4	1 R.T.M.D.			
Not Regulated	2 ADR/RID			
Category / other info: Esters, n.o.s.	3 I.A.T.A.	3	309/310 (III)	3272
	4 I.M.D.G.			
SAFETY DATA: Available	TSCA: Listed	<b>PACKING CONTAINERS:</b>		
STORAGE: Under Nitrogen	Temperature: ≤ -18°C <input type="checkbox"/>	<input checked="" 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 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.