

**TECHNICAL DATA SHEET**

11/24/2009

<b>C4 HEPTENAL</b>				
(Z)-4-Heptenal				
Formula: C7 H12 O	FW: 112.17	Kosher: <input checked="" type="checkbox"/>		FCC: <input type="checkbox"/>
Appearance and Color: } Clear liquid / Colorless to pale yellow	Part Code: <b>11915</b>			
Density (g/ml) $d_4^{20} = 0.850-0.870$	RI: $n_D^{25} = 1.432-1.436$	Soluble in: <small>Code: FS=Freely, SpS=Sparingly, VSI=Very Slightly, I=Insoluble</small>		
Flash Point: 44°C Method: Closed Cup	Boiling Point: 46°C at 13 mm Hg	<input type="checkbox"/> FS Alcohol		
Vapor Press: 1.9 mm Hg, 20°C log K(ow): 2.07	Acid Number: ≤ 5.0	<input type="checkbox"/> FS Propylene Glycol		
		<input type="checkbox"/> FS Essential Oils		
		<input type="checkbox"/> I Water		
<b>CHROMATOGRAPHIC ANALYSIS</b>				
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 (20 min HOLD)		Purity: ≥ 90.0% (C4) 98.0% (C4 + T4) NMT 3.0% (T4)		
<b>REFERENCE NUMBERS</b>		Natural/Nature Identical/Artificial: <input type="checkbox"/> NI		<b>ODOR/TASTE</b> Powerful green odor, reminiscent of vegetables. / Used in flavors to give fried effect, creamy in extract dilution.
FEMA/GRAS N°: 3289 Co. Europe N°: 2124 C.A.S. N°: 6728-31-0 EINECS N°: 229-779-7 TARIFF N°: 2912.19.2000		<b>NATURAL OCCURRENCE</b> Milk and milk products, mint, trassi (cooked).		
<b>TRANSPORT:</b>				
Hazard: flammable	<b>REGULATION</b>	<b>HAZ. CLASS</b>	<b>PG</b>	<b>UN N°</b>
Point 4	1 R.T.M.D.	3	30304	
Not Regulated	2 ADR/RID	3	2301/3°	1989
Category / other info:	3 I.A.T.A.	3	309/310 III	1989
	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 checked="" type="checkbox"/>	<input type="checkbox"/> Stainless Steel Drums		
	Shelf Life: ~ 24 months	<input checked="" type="checkbox"/> Aluminum Bottles		
	RT <input type="checkbox"/>	<input checked="" type="checkbox"/> Glass Bottles		
		<input type="checkbox"/> Plastic / Plastic-lined drums		

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