

**TECHNICAL DATA SHEET**

11/25/2009

<b>VALERALDEHYDE</b>		$\text{H}_3\text{C}-\text{CH}_2-\text{CH}_2-\text{CH}_2-\overset{\text{H}}{\underset{\text{O}}{\parallel}}{\text{C}}$		
n-Pentanal				
Formula: C <sub>5</sub> H <sub>10</sub> O	FW: 86.13	Kosher: <input checked="" type="checkbox"/>		FCC: <input checked="" type="checkbox"/>
Appearance and Color: } Clear liquid / Colorless to pale yellow	Part Code: <b>13861</b>			
Density (g/ml) <sub>d<sub>4</sub><sup>20</sup></sub> = NA	RI: n <sub>D</sub> <sup>25</sup> = NA	Soluble in: Code: FS=Freely, SpS=Sparingly, VSI=Very Slightly, I=Insoluble		
Flash Point: 12°C Method: Closed Cup	Boiling Point: 103°C	<input type="checkbox"/> FS Alcohol		
Vapor Press: mm Hg, 20°C log K(ow):	Acid Number: ≤ 2.0	<input type="checkbox"/> FS Propylene Glycol		
		<input type="checkbox"/> FS Essential Oils		
		<input type="checkbox"/> SS Water 1 part: 103 p		
<b>CHROMATOGRAPHIC ANALYSIS</b> Purity: ≥ 97.0 %				
GC: 0.53 mm ID x 30 m length, ~ 4.5 ml/min He Carrier Gas. FID AT-AquaWax: 40°C (5 min HOLD) to 225°C at 10°C/min				
<b>REFERENCE NUMBERS</b>		Natural/Nature Identical/Artificial: <input type="checkbox"/>		<b>ODOR/TASTE</b>
FEMA/GRAS N°: 3098 Co. Europe N°: 93 C.A.S. N°: 110-62-3 EINECS N°: 203-784-4 TARIFF N°: 2912.19.2000		<b>NATURAL OCCURRENCE</b>		Very powerful and diffusive, penetrating, acrid-pungent. /
<b>TRANSPORT:</b>				
Hazard:	<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			
<u>Category / other info:</u>	3 I.A.T.A.	3	305/307 II	2058
	4 I.M.D.G.			
SAFETY DATA: Available	TSCA:	<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 checked="" type="checkbox"/> Stainless Steel Drums		
Shelf Life: ~ 12 months	RT <input type="checkbox"/>	<input checked="" type="checkbox"/> Aluminum Bottles		
		<input checked="" type="checkbox"/> Glass Bottles		
		<input type="checkbox"/> Plastic / Plastic-lined drums		

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