

TECHNICAL DATA SHEET

11/24/2009

1-DECANAL		$\text{CH}_3-\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{CH}_2-\overset{\text{O}}{\parallel}{\text{C}}-\text{H}$		
Aldehyde C-10; Decyl aldehyde; Capraldehyde				
Formula: C ₁₀ H ₂₀ O	FW: 156.27	Kosher: <input checked="" type="checkbox"/>		FCC: <input checked="" type="checkbox"/>
Appearance and Color: } Clear liquid / Colorless to pale yellow	Part Code: 11432			
Density (g/ml) d_4^{20} = NA	RI: n_D^{25} = NA	Soluble in: Code: FS=Freely, SpS=Sparingly, VSI=Very Slightly, I=Insoluble		
Flash Point: NA Method: Closed Cup	Boiling Point: 209°C	<input checked="" type="checkbox"/> FS Alcohol		
Vapor Press: 0.1 mm Hg, 20°C log K(ow): 3.76	Acid Number: ≤ 10.0 (CoA)	<input checked="" type="checkbox"/> FS Propylene Glycol		
		<input checked="" type="checkbox"/> FS Essential Oils		
		<input type="checkbox"/> I Water		
CHROMATOGRAPHIC ANALYSIS Purity: ≥ 95.5 %				
GC: 0.53 mm ID x 30 m length, ~ 4.5 ml/min He Carrier Gas. FID AT-AquaWax: 100°C (10 min HOLD) to 225°C at 10°C/min (5 min. HOLD)				
REFERENCE NUMBERS		Natural/Nature Identical/Artificial: <input type="checkbox"/> NI		ODOR/TASTE
FEMA/GRAS N°: 2362 Co. Europe N°: 98 C.A.S. N°: 112-31-2 EINECS N°: 203-957-4 TARIFF N°: 2912.19.2000		NATURAL OCCURRENCE		Penetrating, sweet, waxy, orange peels /
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: aldehydes, n. o. s.	3 I.A.T.A.	3	309 III	1989
	4 I.M.D.G.			
SAFETY DATA: Available	TSCA: Listed	PACKING CONTAINERS:		
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: ~ 6 months	RT <input type="checkbox"/>	<input type="checkbox"/> Aluminum Bottles		
		<input checked="" type="checkbox"/> Glass Bottles		
		<input checked="" type="checkbox"/> Plastic / Plastic-lined drums		

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