

TECHNICAL DATA SHEET

11/24/2009

ETHYL PALMITATE		$\text{H}_3\text{C}-\text{(CH}_2\text{)}_{14}-\overset{\text{O}}{\parallel}{\text{C}}-\text{O}-\text{CH}_2-\text{CH}_3$	
Ethyl Hexadecanoate; Ethyl Cetylolate			
Formula: C18 H36 O2	FW: 248.48	Kosher: <input checked="" type="checkbox"/> FCC: <input type="checkbox"/>	
Appearance and Color: } Needle-like crystals or oily liquid / Colorless liquid	Part Code: 11726		
Density (g/ml) $d_4^{20} = 0.855-0.865$	RI: $n_D^{25} = 1.437-1.443$	Soluble in: <small>Code: FS=Freely, SpS=Sparsingly, VSI=Very Slightly, I=Insoluble</small>	
Flash Point: >110°C Method: Closed Cup	Melting Point: 21°C	<input type="checkbox"/> FS Alcohol	<input type="checkbox"/> I Propylene Glycol
Vapor Press: <0.001 mm Hg, 20°C log K(ow): 7.74	Acid Number: ≤ 1.0	<input type="checkbox"/> FS Essential Oils	<input type="checkbox"/> I Water
CHROMATOGRAPHIC ANALYSIS Purity: ≥ 97.0 %			
GC: 0.53 mm ID x 30 m length, ~ 4.5 ml/min He Carrier Gas. FID DB-5: 160°C (0 min HOLD) to 225°C at 10°C/min (20 min HOLD)			
REFERENCE NUMBERS		ODOR/TASTE	
FEMA/GRAS N°: 2451 Co. Europe N°: 634 C.A.S. N°: 628-97-7 EINECS N°: 211-064-6 TARIFF N°: 2915.70.0150		Very faint, waxy odor, extremely mild and sweet / "Creamy" mouthfeel, sweet	
TRANSPORT:		Natural/Nature Identical/Artificial: <input type="checkbox"/> NI	
		NATURAL OCCURRENCE Bilberry, Parmesan cheese, maple syrup, rum, whiskey, grape wine, cognac, cocoa, green tea, mango, corn oil, mastic gum leaf oil.	
Hazard: None	REGULATION	HAZ. CLASS	PG UN N°
Point 1 2 3 4	1 R.T.M.D.		
Not Regulated	2 ADR/RID		
Category / other info: SARA 313 Listed: NO	3 I.A.T.A.		
	4 I.M.D.G.		
SAFETY DATA: Available	TSCA: Listed	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: ~ 24 months	RT <input checked="" type="checkbox"/>	<input type="checkbox"/> Aluminum Bottles	
		<input type="checkbox"/> Glass Bottles	
		<input checked="" type="checkbox"/> Plastic / Plastic-lined drums	

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