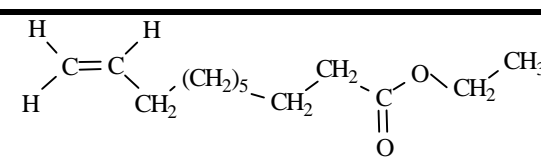


TECHNICAL DATA SHEET

11/24/2009

ETHYL UNDECYLENATE				
Ethyl 10-Undecylenate				
Formula: C13 H24 O2	FW: 212.34	Kosher: <input checked="" type="checkbox"/>		FCC: <input type="checkbox"/>
Appearance and Color: } Clear liquid / Colorless	Part Code: 11754			
Density (g/ml) $d_4^{20} = 0.877-0.879$	RI: $n_D^{25} = 1.436-1.438$	Soluble in: Code: FS=Freely, SpS=Sparingly, VSI=Very Slightly, I=Insoluble		
Flash Point: >110°C Method: Closed Cup	Boiling Point: 258-259°C	<input type="checkbox"/> FS Alcohol		
Vapor Press: 0.002 mm Hg, 20°C log K(ow): 5.15	Acid Number: ≤ 2.0	<input type="checkbox"/> FS Propylene Glycol		
		<input type="checkbox"/> FS Essential Oils		
		<input type="checkbox"/> I Water		
CHROMATOGRAPHIC ANALYSIS Purity: ≥ 98.0 %, sum of 3 isomers				
GC: 0.53 mm ID x 30 m length, ~ 4.5 ml/min He Carrier Gas. FID AT-AquaWax: 100°C (0 min HOLD) to 225°C at 10°C/min. C~1.8				
REFERENCE NUMBERS		Natural/Nature Identical/Artificial: <input type="checkbox"/> Art		ODOR/TASTE
FEMA/GRAS N°: 2461 Co. Europe N°: 2102 C.A.S. N°: 692-86-4 EINECS N°: 211-734-8 TARIFF N°: 2916.19.5000		NATURAL OCCURRENCE Rum, whiskey, wine		Fruity, wine-like odor / Fruity, wine-like taste
TRANSPORT:				
Hazard: none	REGULATION	HAZ. CLASS	PG	UN N°
Point 1 2 3 4 Not Regulated	1 R.T.M.D.			
	2 ADR/RID			
	3 I.A.T.A.			
	4 I.M.D.G.			
Category / other info:	TSCA: listed		PACKING CONTAINERS:	
SAFETY DATA: Available			<input checked="" type="checkbox"/> Epoxy-coated Steel Drums <input checked="" type="checkbox"/> Stainless Steel Drums <input checked="" type="checkbox"/> Aluminum Bottles <input checked="" type="checkbox"/> Glass Bottles <input type="checkbox"/> Plastic / Plastic-lined drums	
STORAGE: Under Nitrogen	Temperature: ≤ -18°C <input type="checkbox"/>			
	≤ 5°C <input type="checkbox"/>			
Shelf Life: ~ 60 months	RT <input checked="" type="checkbox"/>			

Unless otherwise noted, this data sheet is for your information only and Fontarôme Chemical cannot be held responsible for its contents.