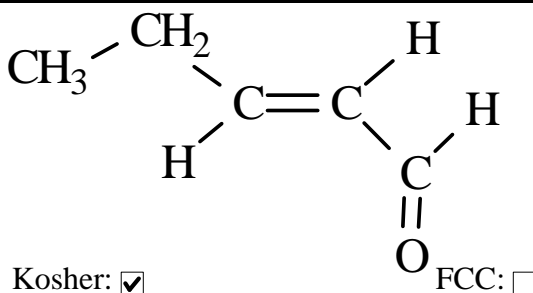


TECHNICAL DATA SHEET

11/25/2009

T2 PENTENAL				
2-Ethylacrylic aldehyde; 3-Ethylacrolein; 3-Ethyl-2-propenal				
Formula: C5 H8 O	FW: 84.11	Kosher: <input checked="" type="checkbox"/> FCC: <input type="checkbox"/>		
Appearance and Color: } Clear, oily liquid / Colorless to pale yellow	Part Code: 13322			
Density (g/ml) d ₄ ²⁰ = 0.849-0.854	RI: n _D ²⁵ = 1.440-1.445	Soluble in: Code: FS=Freely, SpS=Sparingly, VSI=Very Slightly, I=Insoluble		
Flash Point: 22°C Method: Closed Cup	Boiling Point: 124°C; 70°C at 90 mm Hg	<input type="checkbox"/> FS Alcohol		
Vapor Press: 50 mm Hg, 20°C log K(ow): 1.09	Acid Number: ≤ 5.0	<input type="checkbox"/> FS Propylene Glycol		
		<input type="checkbox"/> FS Essential Oils		
		<input type="checkbox"/> I Water		
CHROMATOGRAPHIC ANALYSIS Purity: ≥ 96.0 %				
GC: 0.53 mm ID x 30 m length, ~ 4.5 ml/min He Carrier Gas. FID AT-AquaWax: 60°C (3 min HOLD) to 225°C at 10°C/min (10 min HOLD)				
REFERENCE NUMBERS		Natural/Nature Identical/Artificial: <input type="checkbox"/> NI		ODOR/TASTE Pungent, green, apple, orange, tomato odor. / Fresh and ethereal fruity taste.
FEMA/GRAS N°: 3218 Co. Europe N°: 10375 C.A.S. N°: 1576-87-0 EINECS N°: 216-414-1 TARIFF N°: 2912.19.2000		NATURAL OCCURRENCE Orange, mandarin, cranberry, tea, cabbage, chicken (heated), brussel sprouts, salmon oil, raspberry, tomato.		
TRANSPORT:				
Hazard: Flammable	REGULATION	HAZ. CLASS	PG	UN N°
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
SARA 313 listed: NO	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 checked="" type="checkbox"/>	<input type="checkbox"/> Stainless Steel Drums		
Shelf Life: ~ 6 months	RT <input type="checkbox"/>	<input checked="" type="checkbox"/> Aluminum Bottles		
		<input checked="" type="checkbox"/> Glass Bottles		
		<input checked="" type="checkbox"/> Plastic / Plastic-lined drums		

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