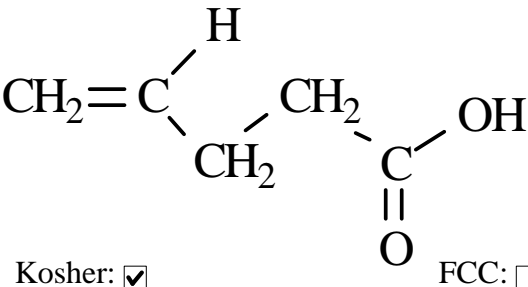


TECHNICAL DATA SHEET

11/25/2009

4-PENTENOIC ACID				
Allyl acetic acid; 3-Vinylpropionic acid				
Formula: C5 H8 O2	FW: 100.12	Kosher: <input checked="" type="checkbox"/> FCC: <input type="checkbox"/>		
Appearance and Color: } Clear liquid / Colorless	Part Code: 13327			
Density (g/ml) d ₄ ²⁰ = 0.978-0.983	RI: n _D ²⁵ = 1.425-1.431	Soluble in: Code: FS=Freely, SpS=Sparingly, VSI=Very Slightly, I=Insoluble		
Flash Point: 193°F Method: Closed Cup	Boiling Point: 188°C	<input type="checkbox"/> VS Alcohol		
Vapor Press: 0.2 mm Hg, 20°C log K(ow): 1.42	Acid Number: ≤ NA	<input type="checkbox"/> S Propylene Glycol		
		<input type="checkbox"/> S Essential Oils		
		<input type="checkbox"/> SS Water		
CHROMATOGRAPHIC ANALYSIS Purity: ≥ 97.0 %				
GC: 0.53 mm ID x 30 m length, ~ 4.5 ml/min He Carrier Gas. FID AT-AquaWax: 140°C (5 min HOLD) to 225°C at 10°C/min. (11.5 min. HOLD)				
REFERENCE NUMBERS		Natural/Nature Identical/Artificial: <input type="checkbox"/> NI		ODOR/TASTE Powerful, pungent, mustard-like / Sour, caramellic, with sweet aftertaste.
FEMA/GRAS N°: 2843 Co. Europe N°: 2004 C.A.S. N°: 591-80-0 EINECS N°: 209-732-7 TARIFF N°: 2916.19.3000		NATURAL OCCURRENCE Not reported		
TRANSPORT:				
Hazard: Corrosive	REGULATION	HAZ. CLASS	PG	UN N°
Point 1 2 3 4	1 R.T.M.D.			
Not Regulated	2 ADR/RID			
<u>Category / other info:</u>	3 I.A.T.A.			
Corrosive liquid, acidic, organic	4 I.M.D.G.			
SAFETY DATA: Available	TSCA: Listed	PACKING CONTAINERS:		
STORAGE: Under Nitrogen	<input checked="" type="checkbox"/> Epoxy-coated Steel Drums <input type="checkbox"/> Stainless Steel Drums <input type="checkbox"/> Aluminum Bottles <input type="checkbox"/> Glass Bottles <input checked="" type="checkbox"/> Plastic / Plastic-lined drums			
Temperature: ≤ -18°C <input type="checkbox"/>				
Shelf Life: ~ 6 months				
	≤ 5°C <input type="checkbox"/>			
	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.