

TECHNICAL DATA SHEET

11/25/2009

ISOVALERALDEHYDE, Natural				
3-Methylbutyraldehyde; 3-Methylbutanal; Isopentyl aldehyde				
Formula: C5 H10 O	FW: 86.13	Kosher: <input checked="" type="checkbox"/>		FCC: <input checked="" type="checkbox"/>
Appearance and Color: } Clear liquid / Colorless	Part Code: 12531			
Density (g/ml) _{d₄²⁰} = NA	RI: n _D ²⁵ = NA	Soluble in: Code: FS=Freely, SpS=Sparingly, VSI=Very Slightly, I=Insoluble		
Flash Point: -2°C, 29°F Method: Closed Cup	Boiling Point: 93°C	<input type="checkbox"/> FS Alcohol		
Vapor Press: 29 mm Hg, 20°C log K(ow): 1.23	Acid Number: ≤ 5.0	<input type="checkbox"/> FS Propylene Glycol		
		<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 AT-AquaWax: 60°C (5 min HOLD) to 225°C at 10°C/min				
REFERENCE NUMBERS		Natural/Nature Identical/Artificial: <input type="checkbox"/> I		ODOR/TASTE
FEMA/GRAS N°: 2692 Co. Europe N°: 94 C.A.S. N°: 590-86-3 EINECS N°: 209-691-5 TARIFF N°: 2912.19.2000		NATURAL OCCURRENCE Apple, currants, banana, citrus, peach, lettuce, celery.		Pungent, apple-like, fruity, sweaty, sour, rancid odor. /
TRANSPORT:				
Hazard: flammable	REGULATION	HAZ. CLASS	PG	UN N°
Point 1 2 4	1 R.T.M.D.			
Not Regulated	2 ADR/RID			
<u>Category / other info:</u>	3 I.A.T.A.	3	305/307 II	2058
	4 I.M.D.G.			
SAFETY DATA: Available	TSCA: listed	PACKING CONTAINERS:		
STORAGE: Under Nitrogen		<input checked="" type="checkbox"/> Epoxy-coated Steel Drums		
Temperature: ≤ -18°C <input type="checkbox"/>		<input type="checkbox"/> Stainless Steel Drums		
≤ 5°C <input checked="" type="checkbox"/>		<input checked="" type="checkbox"/> Aluminum Bottles		
Shelf Life: ~ 48 months	RT <input type="checkbox"/>	<input checked="" type="checkbox"/> Glass Bottles		
		<input type="checkbox"/> Plastic / Plastic-lined drums		

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