

TECHNICAL DATA SHEET

11/25/2009

ISOVALERALDEHYDE, Syn				
3-Methylbutyraldehyde; 3-Methylbutanal; Isopentyl aldehyde				
Formula: C5 H10 O	FW: 84.13	Kosher: <input checked="" type="checkbox"/>		FCC: <input checked="" type="checkbox"/>
Appearance and Color: } Liquid / Colorless	Part Code: 12538		Soluble in: Code: FS=Freely, SpS=Sparingly, VSI=Very Slightly, I=Insoluble	
Density (g/ml) d ₄ ²⁰ = NA	RI: n _D ²⁵ = NA	<input type="checkbox"/> FS Alcohol		
Flash Point: -2°C, 29°F Method: Closed Cup	Boiling Point: 93 °C	<input type="checkbox"/> FS Propylene Glycol		
Vapor Press: mm Hg, 20°C log K(ow):	Acid Number: ≤ 3.0	<input type="checkbox"/> FS Essential Oils		
		<input type="checkbox"/> SpS Water	1 part:89 part	
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"/> NI		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		/
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	Temperature: ≤ -18°C <input type="checkbox"/>	<input checked="" 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		

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