

TECHNICAL DATA SHEET

11/25/2009

ISOBUTYRALDEHYDE, Natural		$ \begin{array}{c} \text{O} \\ \\ \text{CH}_3 - \text{CH} - \text{C} - \text{H} \\ \\ \text{CH}_3 \end{array} $		
2-Methylpropionaldehyde				
Formula: C ₄ H ₈ O	FW: 72.12	Kosher: <input checked="" type="checkbox"/>	FCC: <input checked="" type="checkbox"/>	
Appearance and Color: } Clear liquid / Colorless	Part Code: 12482		Soluble in: Code: FS=Freely, SpS=Sparingly, VSI=Very Slightly, I=Insoluble	
Density (g/ml) _{d₄²⁰} = 0.785-0.800	RI: n _D ²⁵ = 1.355-1.395	<input type="checkbox"/> FS Alcohol		
Flash Point: -19°C Method: Closed Cup	Boiling Point: 63°C	<input type="checkbox"/> FS Propylene Glycol		
Vapor Press: 140 mm Hg, 20°C log K(ow): 0.74	Acid Number: ≤ 5.0	<input type="checkbox"/> FS Essential Oils		
		<input type="checkbox"/> SpS Water		
CHROMATOGRAPHIC ANALYSIS Purity: ≥ 98.0 %				
GC: 0.53 mm ID x 30 m length, ~ 4.5 ml/min He Carrier Gas. FID AT-AquaWax: 50°C (5 min HOLD) to 225°C at 30°C/min				
REFERENCE NUMBERS		Natural/Nature Identical/Artificial: <input type="checkbox"/> I	ODOR/TASTE	
FEMA/GRAS N°: 2220 Co. Europe N°: 92 C.A.S. N°: 78-84-2 EINECS N°: 201-149-6 TARIFF N°: 2912.19.4000		NATURAL OCCURRENCE Apples, berries, banana, lettuce, potato, cabbage, celery, bread.		Sharp, pungent 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	2045
	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 type="checkbox"/> Plastic / Plastic-lined drums		

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