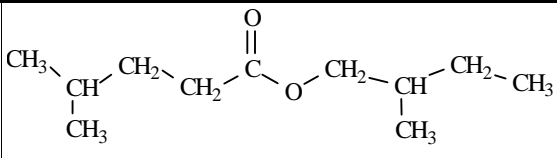


TECHNICAL DATA SHEET

11/25/2009

2-METHYLBUTYL ISOVALERATE				
2-Methylbutyl 3-methylbutanoate				
Formula: C10 H20 O2	FW: 172.27	Kosher: <input checked="" type="checkbox"/>		FCC: <input checked="" type="checkbox"/>
Appearance and Color: } Clear liquid / Colorless	Part Code: 12797			
Density (g/ml) $d_4^{20} = 0.852-0.857$	RI: $n_D^{25} = 1.413-1.416$	Soluble in: Code: FS=Freely, SpS=Sparingly, VSI=Very Slightly, I=Insoluble		
Flash Point: 67°C Method: Closed Cup	Boiling Point: 187°C	<input checked="" type="checkbox"/> FS Alcohol		
Vapor Press: 14 mm Hg, 20°C log K(ow): 1.77	Acid Number: ≤ 2.0	<input type="checkbox"/> I Propylene Glycol		
		<input checked="" type="checkbox"/> FS Essential Oils		
		<input type="checkbox"/> I 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: 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°: 3506 Co. Europe N°: 10772 C.A.S. N°: 2445-77-4 EINECS N°: 219-496-7 TARIFF N°: 2915.90.5000		NATURAL OCCURRENCE Tomato, peppermint oil, cheddar cheese, hop oil, sherry, quince and jackfruit		Herbaceous, fruity odor. / Sweet, herbaceous, fruity taste.
TRANSPORT:				
Hazard:	REGULATION	HAZ. CLASS	PG	UN N°
Point 1 2 3 4	1 R.T.M.D.			
Not Regulated	2 ADR/RID			
Category / other info:	3 I.A.T.A.			
	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 type="checkbox"/>	<input type="checkbox"/> Stainless Steel Drums		
Shelf Life: ~ 24 months	RT <input checked="" type="checkbox"/>	<input 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.