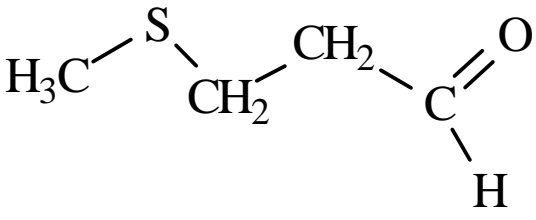


TECHNICAL DATA SHEET

11/25/2009

METHIONAL					
3-(Methylthio)propionaldehyde; beta-Methylmercaptopropionaldehyde; 4-Thiapentanal					
Formula: C4 H8 O S	FW: 104.17	Kosher: <input checked="" type="checkbox"/>		FCC: <input checked="" type="checkbox"/>	
Appearance and Color: } Clear liquid / Colorless to pale yellow				Part Code: 12657	
Density (g/ml) _{d₄²⁰} = 1.038-1.065	RI: n _D ²⁵ = 1.480-1.493	Soluble in: <small>Code: FS=Freely, SpS=Sparingly, VSI=Very Slightly, I=Insoluble</small>			
Flash Point: 68°C Method: Closed Cup	Boiling Point: 165°C	<input type="checkbox"/> FS	Alcohol		
		<input type="checkbox"/> I	Propylene Glycol		
		<input type="checkbox"/> FS	Essential Oils		
Vapor Press: 2.2 mm Hg, 20°C log K(ow): 0.41	Acid Number: ≤ 5.0	<input type="checkbox"/> I	Water		
CHROMATOGRAPHIC ANALYSIS Purity: ≥ 90.0 % monomer					
GC: 0.53 mm ID x 30 m length, ~ 4.5 ml/min He Carrier Gas. FID 98.0 % monomer + trimer DB-5: 50°C (2 min HOLD) to 225°C at 10°C/min (HOLD 45). INLET 240°, FID 270°C. Inj 1.5µL of 1:10 in CH2Cl2. Elim. CH2Cl2 peaks.					
REFERENCE NUMBERS		Natural/Nature Identical/Artificial: <input type="checkbox"/> NI		ODOR/TASTE	
FEMA/GRAS N°: 2747 Co. Europe N°: 125 C.A.S. N°: 3268-49-3 EINECS N°: 221-882-5 TARIFF N°: 2930.90.9190		NATURAL OCCURRENCE Potato, tomato, cheeses, heated beef, beer, cocoa, roasted filberts.		Powerful and diffusive onion, potato, and meat-like odor. / Fatty raw potatoes taste, somewhat cabbage sulfury	
TRANSPORT:					
Hazard: Toxic	REGULATION	HAZ. CLASS	PG	UN N°	
Point 4	1 R.T.M.D.	6.1(3)	61350b		
Not Regulated	2 ADR/RID	6.1(3)	2601/13°	2785	
Category / other info: 4-Thiapentanal	3 I.A.T.A.	6.1	611/618 III	2785	
	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 checked="" type="checkbox"/> Stainless Steel Drums			
	RT <input type="checkbox"/>	<input checked="" type="checkbox"/> Aluminum Bottles			
Shelf Life: ~ 3 months		<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.