

TECHNICAL DATA SHEET

11/25/2009

MALTYL PROPIONATE				
Maltol Propionate; 2-Methyl-3-(1-oxypropoxy)-4H-pyran-4-one.				
Formula: C ₉ H ₁₀ O ₄	FW: 182.17	Kosher: <input checked="" type="checkbox"/> FCC: <input type="checkbox"/>		
Appearance and Color: } Clear liquid / Colorless to pale yellow	Part Code: 12642		Soluble in: Code: FS=Freely, SpS=Sparingly, VSI=Very Slightly, I=Insoluble	
Density (g/ml) _{d₄²⁰} = 1.194-1.199	RI: n _D ²⁵ = 1.503-1.506	<input type="checkbox"/> FS Alcohol		
Flash Point: 160 °C Method: Closed Cup	Melting Point: 48-50°C, but freezes below 10°.	<input type="checkbox"/> FS Propylene Glycol		
Vapor Press: mm Hg, 20°C log K(ow): 1	Acid Number: ≤ 5.0	<input type="checkbox"/> I Essential Oils		
		<input type="checkbox"/> FS Water		
CHROMATOGRAPHIC ANALYSIS Purity: ≥ 98.0 %				
GC: 0.53 mm ID x 30 m length, ~ 4.5 ml/min He Carrier Gas. FID DB-5: 125°C (0 min HOLD) to 225°C at 10°C/min. Dissolve in Et Ac 1g/10mL, inject 2µL.				
REFERENCE NUMBERS		Natural/Nature Identical/Artificial: <input type="checkbox"/>		ODOR/TASTE
FEMA/GRAS N°: 3941 Co. Europe N°: C.A.S. N°: 68555-63-5 EINECS N°: 271-440-0 TARIFF N°: 2915.50.2000		NATURAL OCCURRENCE None known		Caramel, fruity-strawberry note /
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:	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 checked="" type="checkbox"/> Stainless Steel Drums		
Shelf Life: ~ 12 months	RT <input checked="" 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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