



Product Data Sheet

Revision Date: 05/07

UNIDYME[®] M15

Dimer Acid

UNIDYME[®] M15 is dimerized fatty acid produced by selective reaction of high-quality tall oil fatty acid distillates mainly composed of C36 dicarboxylic and C54 tricarboxylic acids. UNIDYME[®] M15 is specifically designed for use as a dimer acid in the manufacture of imidazolines and amidoamine derivatives. The unique combination of difunctionality, and long chain hydrocarbon groups, should find extensive use as a chemical intermediate in the production of reactive and nonreactive polyamide resins, architectural enamels, urethane intermediates, alkyd resins, epoxy resins, lubricant additives, potting compounds, quaternary ammonium compounds and any other compound where the complexity of high molecular weight polycarboxylic acids is functionally desirable.

PROPERTIES	TYPICAL	SPECIFICATIONS
Color, Gardner, 1963	7-	10 Maximum
Acid Number	189	170 -200
Unsaponifiables, %	<1	
Ash, ppm	<30	
Phosphorous, ppm	<30	
Fatty Acid Composition ⁽¹⁾ :		
Dimer Acid, %	75	
Trimer Acid, %	15	
Monomer Acid, %	10	15 Maximum
Specific Gravity, 25°/25°C	0.94	
Weight Per Gallon, 25°C, lb	7.9	
Viscosity, cp @ 25°C	3,500	
Flash Point, Open Cup, °C (°F)	>260 (>500)	
Moisture, %	0.10	0.2 Maximum

⁽¹⁾ By gas chromatography (Arizona Chemical Test Method AQCM-126)

Shipping Data	<ul style="list-style-type: none"> Available in tank car, tank truck and lined (tight-head) drums.
DOT Shipping Classification	<ul style="list-style-type: none"> Non-hazardous



Technical Service: Savannah, GA (912) 238-6556
Sales Service: Jacksonville, FL - (800) 733-1374

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