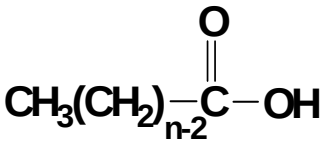
Teck Guan (China) Ltd

TECHNICAL DATA SHEET **S1214，Lauric / Myristic Acid**

Description:



S1214，Lauric / Myristic Acid

CAS# 67701-05-10; **Formula**: $C_{n-1}H_{2n-1}COOH$;

S1214 is a mid cut coconut fatty acid produced from palm kernel oil containing a mixture of approximately C12 (70% min), and C14 (23-28%); 'n' in the structural diagram above refers to the different carbon chain lengths present, from C10 up to C22. It is a white crystalline powder at room temperature with a musty, fatty odor.

PHYSICAL PROPERTIES

(all properties @ 23.9°C (75°F), 760mmHg unless stated)

Typical Equivalent Weight: 209
Specific Gravity: 0.87 @ 49/25℃
Vapor pressure: 1 mmHg @ 22℃
Melting Point: 90°F
Viscosity: 18 cp @ 20°C
Boiling Point: >300°C @ I atm
Specific Heat: 0.5 cal/(gm.℃) @ 25℃

Insoluble in water, but soluble in alcohol, ether and most organic solvents; and are solvents for other oils, fatty acids and oil soluble materials.

GENERAL INFORMATION

Application Uses

End-use applications for S1214 include manufacture of amphoterics, glycerol esters, imidazolines, isethionates and other derivatives.

Shelf Life:

Shelf life is affected by how a product is stored. For all other Fatty Acids, Teck Guan (China) Ltd does not provide a shelf life or expiration date.

Storage and Handling (recommended):

Handling Temp Min-Max: 105-145°F(41-63°C)
Sensitive Properties: Color
Max Steam, psig: 30
Nitrogen Blanket: YES
Load out filter: 50 Micron
Rail Car or Tank Truck: Stainless Steel (304 min), Aluminum fiberglass, lined
Storage Tank: Stainless Steel (304 min), Aluminum fiberglass, lined
Pumps and Lines: Stainless Steel, plastic

Note:

Fatty acid color changes over time even in glass at room temperature. Sunlight degrades color of samples in glass; protect samples from sunlight.

For further details, or samples of S1214 and other Teckno products, please call
+86-513-87589955