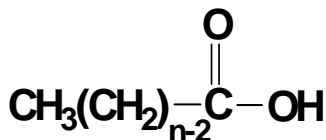




TECHNICAL DATA SHEET

S810, Caprylic / Capric Acid, Low C6

Description:



S810, Caprylic / Capric Acid

CAS#67762-36-1; Formula: $\text{C}_{n-1}\text{H}_{2n-1}\text{COOH}$;

S810 is a mixture of Caprylic Acid (C8, 50% min) and Capric Acid (35-46%); 'n' in the structural diagram above refers to the different carbon chain lengths present, from C6 up to C12. It is a water white to yellow liquid under ambient conditions with a musty, pungent odor.

PHYSICAL PROPERTIES

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

Equivalent Weight: 187

Specific Gravity: 0.9 @ 22/22°C

Vapor pressure: <1 mmHg

Melting Point: 3°C

Viscosity: 10 cp @ 10-30°C

Boiling Point: >232°C

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 S810 include synthetic lubricants base stock, refrigeration lubricants, medium chain triglycerides, fire resistant hydraulic fluids, tailored fats, alkyl chlorides for agricultural products, phosphate ore floatation, amides for agricultural products, production of plasticizer alcohols, corrosion inhibitors for antifreeze, flavour compounds, perfumes, antiseptics, and fungicides.

Shelf Life:

Shelf life is affected by how a product is stored.

For all Fatty Acids, Teck Guan (China) Ltd does not provide a shelf life or expiration date.

Storage and Handling (recommended):

Storage Temp Targets: Ambient

Handling Temp Min-Max: 50-90°F(10-32°C)

Sensitive Properties: Color, Heat Stability

Max Steam, psig: 150

Nitrogen Blanket: YES (4 to 8 oz. of pressure)

Load out filter: Strainer

Rail Car or Tank Truck: Stainless Steel, Lined, Aluminum

Agitation/Recirculation: Need only while heating

Storage Tank: Stainless Steel, Aluminum

fiberglass, Lined No Copper or Copper Alloy

Pumps and Lines: Stainless Steel, Aluminum, Plastic

For further details, or samples of S810 and other Teckno products, please call

+86-513-87589955

IMPORTANT NOTE This technical product information and suggestions for use, while believed to be accurate and reliable, is given without guarantee or warranty of any kind expressed or implied. Purchaser assumes all risk in acting on this information provided by Teck Guan representatives. Individual requirements vary, and each purchaser is urged to perform their own tests, experiments and investigations in the use of Teck Guan products and for purposes of determining compliance with applicable Federal, State and local laws and regulations. Nothing contained herein shall be construed as a recommendation to use any product in connection with existing patents covering any material or its use.