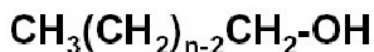




Description:



A1214, Lauric / Myristic Alcohol

CAS# 67762-41-8; Formula: C₁₂₋₁₄H_{2n+1}OH; n=10,12

A1214 is a mixture of Lauryl (68-74%) and Myristyl (24-30%); 'n' in the structural diagram above refers to the different carbon chain lengths present, from C10 up to C16. It is a water white mobile liquid under ambient conditions with a fresh waxy odor.

PHYSICAL PROPERTIES

(all properties @ 22°C (72°F), 760mmHg unless stated)

Equivalent Weight: 194

Specific Gravity: 0.82 @ 35/25°C

Vapor Pressure: < 10mmHg

Melting Point: 70°F (21°C)

Viscosity: 12cp @ 30°C

Specific Heat: 0.5 cal/g. °C

Boiling Point: > 177°C

Insoluble in water under ambient conditions, but suitable solvents include acetone, benzene, ethyl ether, and turpentine.

GENERAL INFORMATION

Application Uses

End-use applications for A1214 include alkyl amines, aluminum rolling lubricants, tertiary amines, antioxidants, concrete anti-spalling agents, cosmetics, defoamers, ethoxylates, halides/mercaptans, lubricant oil additives, methacrylates, phosphated alcohols, plasticizers, plastic lubricants/mold release, polymerization stabilizers, sulphation, sulfated ethoxylates, and epoxy resin diluent.

Shelf Life:

Shelf life is affected by how a product is stored. For all other Alcohol and Related products, Teck Guan does not provide a shelf life or expiration date.

Storage and Handling (recommended):

Storage Temp Targets: Ambient

Handling Temp Min-Max: 75 - 90°F (24-32°C)

Sensitive Properties: AHS, Carbonyl, Color

Max Steam, psig: 30

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

Load out filter: 1 micron

Rail Car or Tank Truck: Lined or Stainless Steel

Agitation/Recirculation: Yes

Storage Tank: Stainless, Aluminum, or Lined

Carbon Steel with Dimetcote IV or Ceilcote 252

Pumps and Lines: Carbon Steel

For further details, or samples of A1214 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.