

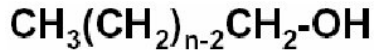


Teck Guan (China) Ltd

TECHNICAL DATA SHEET

A1898, Stearic Alcohol

Description:



A1898, Stearic Alcohol

CAS#112-92-5; Formula: C_{n-1}H_{2n-1}COOH;

A1898 is primarily composed of Stearyl alcohol (C18 98% min in the case of A1898); 'n' in the structural diagram above refers to the different carbon chain lengths present, from C14 up to C20. It is a waxy white solid under ambient conditions with a mild soapy odor.

PHYSICAL PROPERTIES

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

Equivalent Weight: 273

Specific Gravity: 0.81 @ 55/25C

Vapor Pressure: < 1mmHg

Melting Point: 136°F (58°C)

Viscosity: 11cp @ 60°C

Specific Heat: 0.42 cal/g. °C

Boiling Point: > 500°C

Insoluble in water and benzene and slightly soluble in solvents include acetone, ethanol, and turpentine.

GENERAL INFORMATION

Application Uses

End-use applications for A1898 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:

Teck Guan stored flaked Cetyl Alcohol and Stearyl Alcohol in bags and drums. Flaked cetyl and stearyl alcohol is stable under normal storage conditions for at least three years. No specific data has been collected for the shelf-life of opened containers of alcohol.

Storage and Handling (recommended):

Storage Temp Targets: 140-150°F (60-66°C)

Handling Temp Min-Max: 140-150°F (60-66°C)

Sensitive Properties: Carbonyl, Color, Acid Value

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: Lined Carbon Steel or Stainless Steel

Pumps and Lines: Carbon Steel

For further details, or samples of A1898 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.