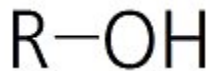


PRODUCT INFORMATION SHEET

TA-1618M Cetostearyl Alcohol

Description:



Cetostearyl Alcohol

CAS Number: a mixture of 111-92-5 and 36653-82-4.

TA-1618M are mixtures of Cetyl (25-32%), and Stearyl (65-75%) alcohol ; 'R' in the structural diagram above represents a saturated alkyl chain of carbon atoms equal to 16 or 18. 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)

Specific Gravity: 0.814
Vapor Pressure: < 1mmHg
Melting Point: 50°C (122°F)
Viscosity: 11cp
Boiling Point: > 249°C (480.2°F)

Insoluble in water under ambient conditions, and only slightly soluble in most other solvents including acetone, ethanol, ethyl ether, isopropyl alcohol and trichloroethylene.

GENERAL INFORMATION

Application Uses

End-use applications for TA-1618M 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.

GENERAL INFORMATION cont...

Oil Derivation/Allergen/BSE/Microbial:

All of our fatty alcohol brands are produced in P&G Chemicals' global fatty alcohol network. They are manufactured entirely from naturally occurring vegetable oils.

- No preservatives or additives are present.
- No gluten/wheat, corn, dairy, egg, fish/shellfish, sulfites, yeast, starch, MSG, peanut, other nut, rice, sugar, or sodium potential allergens are present.
- Bovine Spongiform Encephalopathy (BSE) and Transmissible Spongiform Encephalopathy (TSE) are not a concern with TA-1618M, Cetostearyl Alcohol.
- At the low vacuum (12-18 mmHg) and high temperature (up to 550 degF) at which our process operates, we do not believe that microbiological activities exist.

Shelf Life

Shelf life is affected by how a product is stored. We expect the shelf life of Fatty Alcohols to be about 1 year if it is kept under the recommended storage and handling conditions. We recommend testing the product for key specifications such as color, hydroxyl value, moisture, acid value, and carbonyl content every 6-12 months. **P&G CHEMICALS DOES NOT PROVIDE SHELF LIVES OR EXPIRY DATES.**

Storage and Handling (recommended)

Storage Temp Targets: 61°C (142°F) (max: 66°C (150°F))

Handling Temp Min-Max: 55-75°C (135-167°F)

Sensitive Properties: Carbonyl, Color, Acid Value, SAP, Iodine Value

Max Steam, psi: 30

Nitrogen Blanket: YES

Load out filter: 1 micron

Rail Car or Tank Truck: Carbon Steel

Agitation/Recirculation: Required only when heating.

Storage Tank: Carbon Steel

Pumps and Lines: Carbon Steel or Epoxy Phenolic Liner

For further details, or samples of TA-1618M and other P&G Chemicals products, visit our website:
www.pgchemicals.com

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 Procter & Gamble representatives. Individual requirements vary, and each purchaser is urged to perform their own tests, experiments and investigations in the use of Procter and Gamble 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. Moreover, no license is to be implied under any Procter & Gamble patents relating to uses of the above