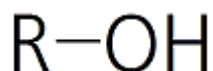


PRODUCT INFORMATION SHEET

CO-1695/CO-1698 Cetyl

Alcohol

Description:



Cetyl Alcohol

CAS Number: 36653-82-4

CO-1695/ CO-1698 is primarily composed of Cetyl alcohol (C16, 95% min in the case of CO-1695); 'R' in the structural diagram above represents a saturated alkyl chain of carbon atoms equal to 16. 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: 0.813

Vapor Pressure: < 1mmHg

Melting Point: 47-50°C (116.6-122°F)

Viscosity: 9cp

Boiling Point: > 249°C (480.2°F)

Insoluble in water under ambient conditions, and suitable solvents include acetone, ethanol, ethyl ether, isopropyl alcohol and trichloroethylene.

GENERAL INFORMATION

Application Uses

End-use applications for CO-1695/CO-1698 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 CO-1695/ CO-1698, Cetyl 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: 62°C (144°F) (max: 65°C (150°F))

Handling Temp Min-Max: 56-65°C (134-149°F)

Sensitive Properties: Carbonyl, Color

Max Steam, psi: 30

Nitrogen Blanket: N/A

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 CO-1695/ CO-1698 and other P&G Chemicals products, visit our website:

www.pgchemicals.com

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