

PRODUCT INFORMATION SHEET **CO-1650, Cetostearyl Alcohol (Hexadecanol/Octadecanol)**

DESCRIPTION

R-OH

Is predominately comprised of Cetyl (46-53%), and Stearyl (44-53%) alcohols; '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.

CAS Number: mixture of 112-92-5 and 36653-82-4

PHYSICAL PROPERTIES:

(All properties @ 760mmHg unless stated)

Specific Gravity: 0.8 at 65°C (149°F)
 Vapor Pressure: <1 mmHg at 20°C (68°F)
 Melting Point: 50°C (122°F)
 Viscosity: 11cp at 65°C (149°F)
 Boiling Point: 572° to 671°F (300° to 355 °C)

PRODUCT NOTES

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

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

OIL DERIVATION/ALLERGEN/BSE/MICROBIAL

- All of our brands are produced in P&G Chemicals' global network. They are manufactured from naturally occurring vegetable oils.
- Bovine Spongiform Encephalopathy (BSE) and Transmissible Spongiform Encephalopathy (TSE) are not a concern.
- No gluten/wheat, corn, dairy, egg, fish/shellfish, sulfites, yeast, starch, MSG, peanut, other nut, rice, potential allergens are present. No preservatives or additives are present
- At the low vacuum and high temperature at which our process operates, our products are not micro-susceptible.

RETEST DATE

Stability is affected by how a product is stored. We expect the product to be stable if it is kept under the recommended Storage and Handling conditions. We recommend retesting the product for Sensitive Properties every 2 months. (Information listed in Storage and Handling section)

P&G CHEMICALS DOES NOT PROVIDE SHELF LIVES OR EXPIRY DATES.

STORAGE AND HANDLING (recommended)

Storage Temp Targets: 65° to 69°C (149° to 156°F)
 Max Steam, psi: 150
 Load out filter (reco): 5 micron
 Sensitive Properties: Moisture, Carbonyl, Color, Acid Value
 Railcar or Tank Truck: Stainless Steel or Epoxy Phenolic Lined
 Storage Tank: Stainless Steel or Phenolic Epoxy Lined
 Pumps and Lines: Stainless Steel or Epoxy Phenolic Lined

Handling Temp Min-Max: 60° to 70°C (140° to 158°F)
 Agitation/Recirculation: Required only when heating
 Nitrogen Blanket: Yes
 (<1% O₂)

For further details, or samples of this material or other P&G Chemicals products, visit our website:

www.pgchemicals.com

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