

PRODUCT INFORMATION SHEET

CO-1695, Cetyl Alcohol (Hexadecanol)

DESCRIPTION

R-OH

Is comprised of Cetyl alcohol (C16, 95% min); '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. This product meets National Formulary (NF) compendia requirements.

CAS/EC Number: 36653-82-4 / 253-149-0

PHYSICAL PROPERTIES:

(All properties @ 760mmHg unless stated)

Specific Gravity: 0.9 at 16°C
 Vapor Pressure: 0.0021 mmHg at 38°C
 Melting Point: 51°C
 Viscosity: 3.394 mm²/s at 100°C
 Boiling Point: 319°C

PRODUCT NOTES

Insoluble in water under ambient conditions, and suitable solvents include 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:	62° to 65°C (144° to 149°F)	Handling Temp Min-Max:	56° to 65°C (133° to 149°F)
Max Steam, psi:	30	Agitation/Recirculation:	Yes, if heating medium > 100°C
Load out filter (reco):	5 micron	Nitrogen Blanket	Yes, when stored in molten form
Sensitive Properties:	Moisture, Carbonyl, Color, Acid Value		(<1% O ₂)
Railcar or Tank Truck:	Stainless Steel or Epoxy Phenolic Lined		
Storage Tank:	Stainless Steel or Epoxy Phenolic Lined		

Pumps and Lines: Stainless Steel or Epoxy Phenolic Lined

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

www.pgchemicals.com

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