

PRODUCT INFORMATION SHEET

CO-1695, Cetyl Alcohol, NF (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 Number: 36653-82-4

PHYSICAL PROPERTIES:

(All properties @ 760mmHg unless stated)

Specific Gravity: 0.8 at 62°C (144°F)
Vapor Pressure: <1 mmHg at 20°C (68°F)
Melting Point: 51°C (124°F)
Viscosity: 9cp at 62°C (144°F)
Boiling Point: >249°C (>480°F)

PRODUCT NOTES

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

GENERAL INFORMATION

APPLICATION USES

Potential intermediate and end use applications include pharmaceutical excipient uses, 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)
Max Steam, psi: 30
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 Epoxy Phenolic Lined
Pumps and Lines: Stainless Steel or Epoxy Phenolic Lined

Handling Temp Min-Max: 56° to 65°C (133° to 149°F)
Agitation/Recirculation: Required only when heating
Nitrogen Blanket: Yes, when stored in molten form
(<1% O₂)

For further details, or samples of this material or 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 creating any guarantee or warranty of any kind expressed or implied. Purchaser assumes all risk in acting on this information provided by Procter & Gamble representatives. Since product's specifications may vary on customers' basis, 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.



Cetyl Alcohol Specification Sheet

	CO-1695 Cetyl Alcohol, NF	CO-1695 K Cetyl Alcohol, NF	CO-1695.5 K Cetyl Alcohol, NF
Chemical Properties			
Hydroxyl Value (mg KOH/g)	220-235	220-235	220-235
Acid Value (mg KOH/g)	0.5 max	0.5 max	0.5 max
Saponification Value (mg KOH/g)	1 max	1 max	1 max
Iodine Value (g/ 100g)	1 max	1 max	1 max
Moisture (%)	0.1 max	0.1 max	0.1 max
Physical Properties			
Color (APHA)	25 max	25 max	25 max
Appearance	Clear, No Extraneous Matter	Clear, No Extraneous Matter	Clear when melted, no extraneous matter
Melting Point (°C)	47-50	47-50	47-50
Composition (% by GC)			
C14: Myristyl Alcohol & Lower	2.5 max	2.5 max	2.5 max
C16: Cetyl Alcohol	95 min	95 min	95.5 min
C18: Stearyl Alcohol	4 max	4 max	4 max
C20: Arachidyl Alcohol	---	---	--
Hydrocarbon (%)	1.5 max	1.5 max	1.0 max
CAS Number	36653-82-4	36653-82-4	36653-82-4

For further information, such as samples & MSDS, visit our website: www.pgchemicals.com

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