

## PRODUCT INFORMATION SHEET

### TA-1618, (Hexadecanol/Octadecanol)

#### DESCRIPTION

# R-OH

Is predominately comprised of Cetyl (23% min) and Stearyl (65% min) alcohols ; 'R' in the structural diagram above represents a saturated alkyl chain of carbon atoms equal to 16 or 18. It is a water white liquid under ambient conditions with a fresh, waxy odor.

CAS Number: 67762-30-5

#### PHYSICAL PROPERTIES:

(All properties @ 760mmHg unless stated)

Specific Gravity: 0.8 at 65°C  
 Vapor Pressure: <1mmHg at 22°C  
 Melting Point: 50°C  
 Viscosity: 11cp at 61°C  
 Boiling Point: >249°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:	61° to 66°C	Handling Temp Min-Max:	55° to 75°C
Max Steam, psi:	30	Agitation/Recirculation:	Required only when heating.
Load out filter (reco):	5 micron	Nitrogen Blanket	Yes
Sensitive Properties:	Moisture, Carbonyl, Color, Acid Value (<1% O <sub>2</sub> )		
Railcar or Tank Truck:	Stainless Steel or Epoxy Phenolic Lined is preferred. Use of Carbon Steel is acceptable if not available.		
Storage Tank:	Stainless Steel or Epoxy Phenolic Lined		
Pumps and Lines:	Stainless Steel or Epoxy Phenolic Lined is preferred. Use of Carbon Steel is acceptable if not available.		

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

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