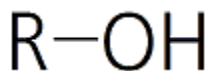


**PRODUCT INFORMATION SHEET**

**CO-1270 Lauryl/ Myristyl Alcohol**

**Description:**



**Lauryl/Myristyl Alcohol**

**CAS Number:** Varies based on region. Please see MSDS.

CO-1270 is a mixture of Lauryl (68-78%) and Myristyl (20-30%); 'R' in the structural diagram above represents a saturated alkyl chain of carbon atoms equal to 12 or 14. It is a water white mobile liquid under ambient conditions with a fresh waxy odor.

**PHYSICAL PROPERTIES**

(all properties @ 22°C (72°F), 760mmHg unless stated)

Specific Gravity: 0.823  
Vapor Pressure: < 10mmHg  
Melting Point: 21.1°C (70°F)  
Viscosity: 12cp  
Boiling Point: > 176.7°C (350°F)

Insoluble in water under ambient conditions, but suitable solvents include acetone, benzene, ethyl ether, and turpentine.

**GENERAL INFORMATION**

**Application Uses**

End-use applications for CO-1270 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-1270, Lauryl/Myristyl 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: 33°C (91°F) (max: 36°C (97°F))

Handling Temp Min-Max: 24-36°C (75 - 97°F)

Sensitive Properties: Carbonyl, Color

Max Steam, psig: 150

Nitrogen Blanket: YES

Load out filter: 1 micron

Rail Car or Tank Truck: Stainless Steel or Lined with Epoxy Phenolic

Agitation/Recirculation: Required only when heating

Storage Tank: Stainless Steel, Aluminum or Carbon Steel lined with Dimetecote IV or Ceilcote 252 (preferred). Carbon Steel only with Nitrogen blanket. Stainless steel coils.

Pumps and Lines: Carbon Steel

\*Ambient temperature is acceptable even if it is higher than the maximum temperature\*

**For further details, or samples of CO-1270 and other P&G Chemicals products, visit our website:**

[www.pgchemicals.com](http://www.pgchemicals.com)