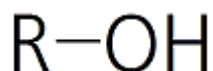


PRODUCT INFORMATION SHEET

CO-1098/CO-1099 Decyl

Alcohol

Description:



Caprylic/Decyl Alcohol

CAS Number: 112-30-1

CO-1098/ CO-1099 are primarily composed of Decyl alcohol (C10, 98% min. in the case of CO-1098) ; 'R' in the structural diagram above represents a saturated alkyl chain of carbon atoms equal to 10. It is a clear liquid under ambient conditions with a fishy alcohol odor.

PHYSICAL PROPERTIES

(all properties @ 24°C (75°F), 760mmHg unless stated)

Specific Gravity: 0.84
Vapor Pressure: 0.008 mmHg
Melting Point: 7°C (45°F)
Viscosity: <10cp
Boiling Point: > 400°C (752°F)

Insoluble in water under ambient conditions.

GENERAL INFORMATION

Application Uses

End-use applications for CO-1098/CO-1099 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-1098/ CO-1099 Decyl 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: Ambient to 32°C (90°F) (max)

Handling Temp Min-Max: 13-32°C (55 - 90°F)

Sensitive Properties: Carbonyl

Max Steam, psig: 150

Nitrogen Blanket: YES

Load out filter: 1 micron

Rail Car or Tank Truck: Lined or Stainless Steel

Agitation/Recirculation: Required only when heating Storage Tank: Lined or Stainless Steel. Carbon Steel is acceptable if carbonyl and iron pick up are not specified.

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-1098/ CO-1099 and other P&G Chemicals products, visit our website:

www.pgchemicals.com