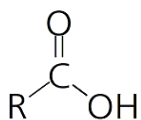


PRODUCT INFORMATION SHEET

C-1095/C-1098/C-1099, Capric Acid (Decanoic Acid)

DESCRIPTION



Is comprised of Caprylic Acid (C10, 95%-98%); 'R' in the structural diagram above represents a saturated alkyl chain of carbon atoms equal to 9. The molecule has an even number of total carbon atoms. It is a clear liquid under ambient conditions with a musty odor.

CAS Number: 334-48-5

PHYSICAL PROPERTIES: (All properties @ 760mmHg unless stated)

Specific Gravity: 0.9 at 20°C (68°F)
Vapor Pressure: <0.1 mmHg at 20°C (68°F)
Melting Point: 32°C (90°F)
Viscosity: 10cp at 39°C (102°F)
Boiling Point: >232°C (>450°F)

PRODUCT NOTES

Negligibly soluble in water, but soluble in alcohol and ether under ambient conditions. [62 at 25°C]

GENERAL INFORMATION

APPLICATION USES

Potential intermediate and end use applications include synthetic lubricants, refrigeration lubricants, fire resistant hydraulic fluids, tailored fats (e.g. MCTs), alkyl chlorides and amides for agricultural products, phosphate ore floatation, production of plasticizer alcohols, perfumes, antiseptics, fungicides, flavor compounds, and corrosion inhibitors for antifreeze.

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 24 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: | Target: 20 °C (68°F) | Handling Temp Min-Max: | Max: 43°C (109°F) |
| Max Steam, psi: | 150 | Agitation/Recirculation: | Required only when heating |
| Load out filter (reco): | 5 micron | Nitrogen Blanket | Yes, if product is to be held for longer than 3 months. |
| Sensitive Properties: | Moisture, Color | (<1% O ₂) | |
| Railcar or Tank Truck: | Stainless Steel, Epoxy Phenolic Lined, Aluminum | | |
| Storage Tank: | 304 Stainless Steel, Aluminum, Fiberglass, Lined with Flakeline 100, Carboglas 1600, Lithcote LC-19 or Kanigen. 304 or 316 Stainless Steel coils. No Copper or Copper Alloys. | | |
| Pumps and Lines: | Stainless Steel, Aluminum, Plastic | | |

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

www.pgchemicals.com

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