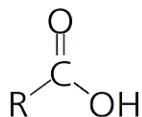


PRODUCT INFORMATION SHEET

C-698S*, Caproic Acid (Hexanoic Acid) * Not intended for Food Use

DESCRIPTION



Is comprised of Caproic Acid (C6, 99% min); 'R' in the structural diagram above represents a saturated alkyl chain of carbon atoms equal to 5. It is a clear liquid under ambient conditions with a sharp, musty, rancid odor.

CAS Number: 142-62-1

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: -4°C (25°F)
Viscosity: 3cp at 20°C (68°F)
Boiling Point: 203°C (397°F)

PRODUCT NOTES

Partially soluble in water, soluble in alcohol and ether under ambient conditions. [Solubility in water 10300mg/L 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, 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: 32°C (90°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:	Color, Moisture	(<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

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.