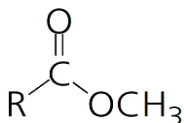


## PRODUCT INFORMATION SHEET

## CE-698, Methyl Caproate (Methyl Hexanoate)

### DESCRIPTION



Is predominately comprised of Methyl Hexanoate (C6, 98% min); 'R' in the structural diagram above represents a saturated alkyl chain of carbon atoms equal to 5. Not including the methyl ester group, there are an even number of carbon atoms in the molecule. It is water white a liquid under ambient conditions with a musty odor.

CAS Number: 106-70-7

### PHYSICAL PROPERTIES:

(All properties @ 760mmHg unless stated)

Specific Gravity: 0.9 at 20°C (68°F)  
 Vapor Pressure: <5 mmHg at 20°C (68°F)  
 Melting Point: -69°C (-93°F)  
 Viscosity: 1cp at 20°C (68°F)  
 Boiling Point: 93°C (199°F)

### PRODUCT NOTES

Insoluble in water under ambient conditions, but suitable solvents include ethyl ether, and mineral oil. May attack, swell and soften rubber and plastic. Concrete swells and deteriorates with contact. Glycerine can settle out in storage.

### GENERAL INFORMATION

#### APPLICATION USES

Potential intermediate and end use applications include soapmaking, agriculture, amides, chlorinated lubricants, cutting oils, defoamers, gear oils, isopropyl esters, jet lubricants, methyl ester sulfonates, plasticizers, PEG Esters, rolling oils, sulfurized lubricants, metalworking fluids, production of plasticizer alcohols, emulsifiers, stabilizers, resins, flavorings, fracking fluids, and solvents for inks, paint removal, and other applications.

#### 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)  
 Max Steam, psi: 150  
 Load out filter (reco): 5 micron  
 Sensitive Properties: Color, Moisture, Acid Value  
 Railcar or Tank Truck: Carbon Steel  
 Storage Tank: Carbon Steel  
 Pumps and Lines: Carbon Steel

Handling Temp Min-Max: Max: 32°C (90°F)  
 Agitation/Recirculation: Required only when heating  
 Nitrogen Blanket: Not necessary  
 (<1% O<sub>2</sub>)

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

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

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