**PRODUCT INFORMATION SHEET**

### DESCRIPTION

- **CE-810, Methyl Caprylate/Caprate (Methyl Octanoate/Decanoate)**

  Is predominately comprised of Methyl Octanoate (C8, 50-58%) and Methyl Decanoate (C10, 35-50%); ‘R’ in the structural diagram above represents a saturated alkyl chain of carbon atoms equal to 7 or 9. Not including the methyl ester group, there are an even number of carbon atoms in the molecule. It is a water white liquid under ambient conditions with a musty odor.

### PHYSICAL PROPERTIES:

(All properties @ 760mmHg unless stated)

- **Specific Gravity:** 0.9
- **Vapor Pressure:** 39 Pa
- **Melting Point:** -44°C
- **Viscosity:** 1.42 mm²/s at 40°C
- **Boiling Point:** 288°C

### 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, frackings 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)

<table>
<thead>
<tr>
<th>Property</th>
<th>Target</th>
<th>Max Steam, psi</th>
<th>Load out filter (reco)</th>
<th>Sensitive Properties</th>
<th>Railcar or Tank Truck</th>
<th>Storage Tank</th>
<th>Handling Temp Min-Max</th>
<th>Agitation/Recirculation</th>
<th>Nitrogen Blanket</th>
<th>(&lt;1% O₂)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Storage Temp Targets</td>
<td>20 °C (68°F)</td>
<td>150</td>
<td>5 micron</td>
<td>Color, Moisture, Acid Value</td>
<td>Carbon Steel</td>
<td>Carbon Steel</td>
<td>32°C (90°F)</td>
<td>Yes, if heating medium &gt; 100°C</td>
<td>Not necessary</td>
<td></td>
</tr>
</tbody>
</table>

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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