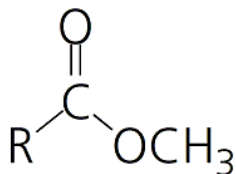


## PRODUCT INFORMATION SHEET

## CE-1875, Methyl Palmitate/

## Oleate



### Description:

#### Methyl Palmitate/ Oleate

**CAS Number:** 67762-38-3

CE-1875 is a mixture of Methyl Palmitate (C16, 15-30%) and Methyl Oleate (70-85%); 'R' in the structural diagram above represents a saturated alkyl chain of carbon atoms equal to 15 or 17. Not including the methyl ester group, there are an even number of carbon atoms in the molecule. It is a clear liquid under ambient conditions with a musty odor.

### PHYSICAL PROPERTIES

(all properties @ 22°C (72°F), 760mmHg unless stated)

Specific Gravity: 0.87  
Vapor Pressure: < 5 mmHg  
Melting Point: 6.29°C (42.8°F)  
Viscosity: 7cp  
Boiling Point: 354.3°C (669.2°F)

Insoluble in water under ambient conditions, but suitable solvents include ethyl ether, and mineral oil.

### GENERAL INFORMATION

#### Application Uses

End-use applications for CE-1875 include soapmaking, amides, chlorinated lubricants, cutting oils, defoamers, gear oils, ink solvents, isopropyl esters, jet lubricants, methyl ester sulphates, plasticizers, PEG Esters, rolling oils, sulphurised lubricants, low-VOC solvents, metalworking fluids, solvents for inks, solvents for paint removal, production of plasticizer alcohols, emulsifiers, stabilizers, resins, and flavorings.

### 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 CE-1875, Methyl Palmitate/ Oleate.
- At the low vacuum (12-18 mmHg) and high temperature (up to 550 °F) 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: 32°C (90°F) (max: 38°C (100°F))

Handling Temp Min-Max: 27-38°C (80-100°F)

Sensitive Properties: Color, Moisture

Max Steam, psig: 150

Nitrogen Blanket: Not necessary

Load out filter: 5 micron

Rail Car or Tank Truck: Carbon Steel

Agitation/Recirculation: Necessary only when heating

Storage Tank: Carbon Steel

Pumps and Lines: Carbon Steel

#### Notes:

- Methyl esters attack, swell, and soften many different types of rubber and plastic such as gaskets and hoses.
- Concrete is slowly swollen and deteriorated by contact; avoid recurring drips or leaks, and clean up spills promptly
- Ambient temperature is acceptable even if it is higher than the maximum temperature.

For further details, or samples of CE-1875 and other P&G Chemicals products, visit our website:

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

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