

## PRODUCT INFORMATION SHEET

# CE-1618BL, Methyl Palmitate/Oleate (Methyl Hexadecanoate/Octadecenoate)

## **DESCRIPTION**



CAS Number: mixture of 67762-38-3 and

112-39-0

## **PHYSICAL PROPERTIES:**

#### (All properties @ 760mmHg unless stated)

Specific Gravity: 0.9 at 36°C (97°F)
Vapor Pressure: <5 mmHg at 20°C (68°F)

Melting Point: 10°C (50°F)
Viscosity: 4cp at 36°C (97°F)
Boiling Point: 204°C (399°F)

Is a blend comprised of Methyl Palmitate (C16, 25-32%) and Methyl Oleate (C18, 65-75%); '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 waxy white to yellow solid under ambient conditions with a musty odor.

#### **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, cosmetic ingredients, amides, chlorinated lubricants, cutting oils, defoamers, gear oils, isopropyl esters, jet lubricants, methyl ester sulfonates, plasticizers, PEG Esters, rolling oils, sulfurized lubricants, low-VOC solvents, 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: 36° C (97° 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: 32° Agitation/Recirculation: Requ

Nitrogen Blanket (<1% O<sub>2</sub>)

32° to 41°C (90° to 105°F) Required only when heating

Not necessary

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## www.pachemicals.com

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