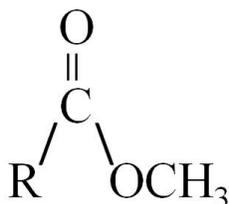


## PRODUCT INFORMATION SHEET

## CE-1099, Light Cut Methyl Ester

## Description:



Methyl Decanoate

CAS Number: 110-42-9

CE-1099 is a mixture of Methyl Palmitate (C10, 99% min). "R" in the structural diagram represents homology group saturated alkyl chain of carbon atoms equal to 9. Not including the methyl ester group, there are an even number of total 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:	< 1mmHg
Melting Point:	-22°C (-8°F)
Viscosity:	6cp
Boiling Point:	> 176.7°C (350°F)
*Insoluble in water under ambient conditions but suitable solvents include ethyl ether and mineral oil.	

## Application Uses

End-use applications for CE-1099 include soap making, amides, chlorinated lubricants, cutting oils, defoamers, gear oils, ink solvents, isopropyl esters, jet lubricants, methyl ester sulphonates, 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.

## Oil Derivation/Allergen/BSE/Microbial:

Our CE-1099 is 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-1095.
- At the low vacuum (12-18 mmHg) and high temperature (up to 550°F) at which the material is manufactured, we do not believe that microbiological activities exist.

## Storage and Handling

<u>Storage temp targets:</u>	Ambient to 32°C (90°F)
<u>Handling temp Min-Max:</u>	Ambient to 32°C (90°F) max
<u>Sensitive Properties:</u>	Color, Moisture
<u>Max Steam, psig:</u>	150
<u>Nitrogen Blanket:</u>	Not necessary
<u>Load out filter:</u>	5 micron
<u>Rail car or Tank Truck:</u>	Carbon Steel
<u>Agitation/Recirculation:</u>	Required only when heating
<u>Storage Tank:</u>	Carbon Steel
<u>Pumps and Lines:</u>	Carbon Steel

\*CE-1099 can be purchased in Bulk or 400 lb drums.

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