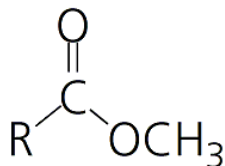


PRODUCT INFORMATION SHEET

CE-1095/ CE-1099, Methyl

Decanoate



Description:

Methyl Decanoate

CAS Number: 110-42-9

CE-1095/ CE-1099 is primarily composed of Methyl Decanoate (C10, 95% min); 'R' in the structural diagram above represents a saturated alkyl chain of carbon atoms equal to 9. 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: < 1 mmHg
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.

GENERAL INFORMATION

Application Uses

End-use applications for CE-1095/ 1099 include soapmaking, 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.

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-1095/ CE-1099, Methyl Decanoate.
- 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: Ambient to 32°C (90°F) (max)
Handling Temp Min-Max: Ambient to 32°C (90°F) (max)
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-1095/ CE-1099 and other P&G Chemicals products, visit our website:

www.pgchemicals.com

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