

BIODIESEL TECHNICAL SHEET



BIODIESEL – Renewable fuel

Description

Innoltek biodiesel is a renewable fuel made from vegetable and animal by-products.

Main potential uses

Biodiesel can be used in complete substitution for diesel fuel but it is most often used in blends with diesel fuel for an internal combustion diesel engine. The most common blends are B5 and B20 (5% and 20% biodiesel content, the remainder being conventional diesel). It can also be used as furnace oil in replacement of furnace fuel oil.

Advantages

- ✓ Reduces significantly (~90%) green house gases (GHG) compared to conventional diesel
- ✓ Biodegradable
- ✓ There is no engine modification required to use biodiesel
- ✓ Offer full flexibility with diesel
- ✓ Reduces engine wear due to its lubricating properties
- ✓ Engine combustion is improved due to higher cetane content
- ✓ Safe to use and store since its flash point is higher than 130°C making it non-flammable.
- ✓ Cleaning properties
- ✓ Reduces atmospheric emissions and tailpipe smoke

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Specifications ASTM 6751

Color :	Clear yellow	Sulfur :	< 5 mg/kg
Density :	0,87 g/mL	Viscosity @ 40 °C :	4-5 cSt
Flash point :	≥ 130 °C	Cetane index	58
Cloud point	0-5 °C	Oxidative stability	8 hours
Energy content	36 MJ/L	Cold Soak Filtration Test ASTM D-7501	<120 seconds

Precautions

- **This product can be used as is, unblended without any issues at temperatures above 5°C**
- **It is possible to use this product at temperatures below 5°C if it is blended to regular diesel. Communicate with Innoltek.**
- **For specific cloud point of this product when blended with regular diesel, please refer to the your distributor.**
- **For blends above 5% and for biodiesel used as neat fuel, refer the Original Equipment Manufacturer or consult the owner's manual for your specific engine.**
- **When a biodiesel program is implemented, ensure that storing and dispensing equipment have been cleaned before commencing. Also install a 1-micron filter on the dispensing line.**

Storage

- This product can be stored for 6 months
- If it has frozen, ensure it is well thawed and if possible heat it to 40°C before using



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