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Biodiesel is a renewable, biodegradable fuel manufactured domestically from vegetable oils, animal fats, or recycled restaurant grease. Biodiesel meets both the biomass-based diesel and overall advanced biofuel requirement of the Renewable Fuel Standard. Renewable diesel, also called "green diesel," is distinct from biodiesel.



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IB 1066 Bio Diesel

Biodiesel IB 1066 typically refers to pure biodiesel, also known as IB 1066 biodiesel, which is composed entirely of biodiesel with no petroleum-based diesel blend. It's made from renewable resources such as vegetable oils or animal fats through a process called transesterification. IB 1066 biodiesel has a range of applications across various sectors, primarily as a cleaner-burning alternative to traditional petroleum diesel fuel.

On-road:

- Fleet vehicles
- Heavy-duty trucks
- School buses
- Urban transit buses

Off-road:

- Agricultural equipment
- Construction equipment
- Forestry equipment
- Locomotives (trains)
- Marine vessels
- Mining equipment
- Tractors
- JCB's



Biodiesel IB 1066



Technical Specification

Product Name	:	BIODIESEL
Stock No	:	NS6130-12-001963
Purity	:	IB 1066
pH Value	:	6.5
Water Content	:	400mg/kg
Flash Point	:	130 °C
Acid Value	:	2.26mgKOH/gm
Density	:	850kg/m3



CRUDE Bio Diesel



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Applications:

- Experimental research
- Small-scale engines
- Industrial processes
- Boiler fuel
- Blend stock
- Non-engine applications

Crude Biodiesel

Crude biodiesel, derived from vegetable oils or animal fats through transesterification, requires purification to meet modern diesel engine standards, despite cost advantages. Its applications are limited due to lower quality and higher impurity levels compared to refined biodiesel, though it still finds use in certain scenarios. Crude biodiesel can be used as a fuel for industrial boilers or furnaces that can handle a wider range of fuel qualities compared to diesel engines.



Crude Biodiesel



Crude Glycerine



Glycerine, also known as glycerol or glycerin, is a colorless, odorless, and viscous liquid that is commonly used in various industries for its versatile properties. Glycerine USP Grade is commonly used in pharmaceutical formulations, including oral medications, topical ointments, and suppositories. It is also used in personal care products such as skincare lotions, creams, and oral care products, as well as in food and beverage applications where a high-quality, food-grade ingredient is required.

Technical Specification

Product Name	:	Glycerine USP Grade
Stock No	:	NS6130-12-001980
CAS	:	56-81-5
Purity	:	99.7%
Molecular Formula	:	C ₃ H ₈ O ₃

Applications:

- Pharmaceuticals
- Cosmetics and Personal Care
- Food and Beverage
- Industrial Applications
- Medicinal Applications



USP Grade Glycerine

Crude glycerine, also known as crude glycerol, is a co-product of biodiesel production. It's a viscous, colorless to brownish liquid with a sweet taste. Crude glycerine contains impurities such as methanol, salts, water, and fatty acids, which are byproducts of the biodiesel manufacturing process. Crude glycerine still has industrial applications. It can be refined to produce purified glycerine, which is widely used in various industries including pharmaceuticals, cosmetics, food, and personal care products.

Applications:

- Biodiesel Production
- Chemical Intermediates
- Personal Care Products
- Industrial Applications
- Biogas Production
- Animal Feed



Fatty Acid

Fatty acids are organic molecules consisting of a long hydrocarbon chain ending in a carboxylic acid group. They are crucial building blocks of lipids, such as triglycerides and phospholipids, which are essential components of cell membranes and energy storage molecules. Fatty acids can be saturated (no double bonds between carbon atoms) or unsaturated (containing one or more double bonds).

Applications:

- Food Industry
- Pharmaceuticals
- Cosmetics and Personal Care Products
- Detergents and Surfactants
- Industrial Applications
- Animal Feed
- Biofuels
- Chemical Synthesis



Fatty Acid



Fatty Acid

Technical Specification

Product Name	:	Fatty Acid Methyl Ester
Stock No	:	NS6130-12-002070
Purity	:	99.9%
Molecular Formula	:	$(CH_3(CH_2)_nCOOCH_3)$
Density	:	0.885 g/cm ³ at 30°C
Lower Heating value	:	37.1 (MJ/kg)*
Viscosity	:	8.0 cSt @ 40°C



Biodiesel



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Bio Diesel



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