

## HBX-1000™ B99.9/B100 Biodiesel

### Description:

A liquid multi-component biodiesel fuel derived from natural fats and oils.

### Application

HBX-1000™ can be used as a middle distillate blend stock or in its neat form as diesel fuel or heating oil. It carries excellent cold weather and combustion properties helping the finished fuel meet fungible, terminal, and ASTM specifications.

HBX-1000™ contains components designed to enhance performance and reduce sulfur emissions in diesel combustion engines and residential and commercial oil fired heating systems.

The recommended blend range is 2% to 20%. Maximum benefits are obtained when this fuel is injected into a continuous flow of petroleum at terminal racks or in-line injection. When Blending, we recommend the temperature of the Diesel fuel be at least 10 degrees Fahrenheit above its cloud point.

Use caution when using this product. A moderate introduction of HBX-1000™ is recommended when commencing a biodiesel program. This product has tendency to clean-up existing petroleum tank sludge and moisture leading to fuel filter plugging.

### Technical Properties:

|                                 |   |
|---------------------------------|---|
| Specific Gravity @60°F (15.5°C) | 0.88                                    |
| Density (lb/gal)                | 7.32                                    |
| Flash Point, ASTM D93           | 130°C min                               |
| Cloud Point, ASTM D2500         | 0 to 2°C <sup>1</sup><br>(32 to 35.6°F) |
| Cetane, ASTM D613               | 47 to 52 <sup>1</sup>                   |

HBX-1000 is a trademark of Lake Erie Biofuels, LLC d/b/a HERO BX. Applies to HERO BX B100 and B99.9. Full safety information is listed on MSDS.

<sup>1</sup> Values are a limit range

### Features and Benefits:

#### Feature

- Meets ASTM D6751 and EN 14214 specifications

#### Benefits

- Enables finished diesel and heating oils to meet ASTM D975 and ASTM D396
- \$1 per gallon Federal Tax Credit eligibility
- Transferable RINS
- Accepted by Original Equipment Manufacturers standards (OEMs)
- Guaranteed marketability

#### Feature

- Derived from a combination of natural animal fats and vegetable oils

#### Benefits

- Offers Maximum cold weather properties
- Helps to improve lubricity when used in conventional Ultra Low Sulfur Diesel

#### Feature

- HERO BX is a BQ 9000 Certified Producer and Marketer

#### Benefit

- BQ 9000 is recognized as the highest quality standard in the biodiesel industry
- Governed by the National Biodiesel Board
- Guaranteed to meet ASTM D6751
- Helps secure new business

### Safety and Handling:

Synonym: Fatty Acid Methyl Ester

CAS Number: 67784-80-9

Store in closed containers between 50°F and 120°F.

Keep away from oxidizing agents, excessive heat, and ignition sources.

Store and use in well ventilated areas.

Do not store or use near heat, spark, or flame, store out of sun.

Prolonged exposure may cause skin and eye irritation.

Clean up with soap and water.