



Bio Diesel Specialties

BIOSTABLE™ 401

BIOSTABLE™ 401 is a combination of stabilizers specially formulated to enhance the stability of Bio-Diesel (B100) and Bio Diesel / Petroleum Diesel Blends (Bxx).

BIOSTABLE™ 401 contains a proprietary mix of Free Radical Chain Termination Agents, Free Radical Decomposition Agents, Acid Scavengers, Photochemical Stabilizer, and Metal Sequestering Agents

BIOSTABLE™ 401 is applicable for B100 and Bxx blended fuels for on-road, off-road, home heating, marine, rail, and power generation applications.

BIOSTABLE™ 401 is a distillate fuel additive that provides the following functional and performance properties:

- Superior Stability enhancement in B100 * and B xx Blends
 - Inhibits Peroxide Formation
 - Minimizes affects of Peroxide Degradation
 - Protects against Acid Induced Degradation
 - Excellent against Metal Catalyzed Degradation
- Components history of no harm in fuel applications
- Compatible with petroleum fuels and other petroleum fuel additives
- Excellent low temperature handling **

*Rancimant EN 14112

** -40°C/F

Addition

BIOSTABLE™ 401 may be continuously or batch blended into Bio Diesel as a concentrate or as a stock solution. The Bio Diesel should be treated with **BIOSTABLE™ 401** as early as possible in the Bio diesel production cycle.

Personal Safety, First Aid and Storage and Handling

See the Material Safety Data Sheet for product specific information.



440CFR80.591 Compliance Statement:

The sulfur content of this diesel fuel additive does not exceed 15 ppm. **BIOSTABLE™** can be used as **LEGAL DIESEL™ Diesel Fuel Additive**.

Technical Support: (302) 454-8100

Customer Service

Resource Center: (800) 441-9547

Typical Properties

Appearance	clear amber liquid
Total Amine Value, mgKOH/g	80
Gravity ASTM D287	
Specific, 60/60°F (16/16°C).....	0.896
Pounds/I.S. Gallon, 60°F (16°C).....	7.46
Color, ASTM D1500	3.0
Pour Point, ASTM D97 °F (°C)	<-40 (<-40)
Flash Point, PMCC, ASTM D93, °F	107
Ash wt.% ASTM D482.....	0.00
Viscosity, cSt @	
100°F (38°C).....	2.19
32°F (0°C).....	7.08
0°F (-18°C).....	17.3
-30°F (-34°C).....	57.8

Recommended Treat Rate