



**PETRON
PLUS™
FORMULA 7**



**PETRON
PLUS™
FORMULA 7
BIO-DIESEL STABILIZER CONCENTRATE**

▶ **PART NO.'S: 20210 THRU 20216**

TECHNICAL DATA SHEET

Petron Plus™ Formula 7 Bio-Diesel Fuel Stabilizer Concentrate is a combination of stabilizers specially formulated to enhance the stability of Biodiesel (B 100) and Biodiesel / Petroleum Diesel Blends (BXX) (where XX represents the volume percentage of bio-diesel fuel in the blend). It is applicable for B100 and BXX blended fuels for on-road, off-road, and home heating, marine, rail, and power generation applications. It contains a proprietary mix of Free Radical Chain Termination Agents, Free Radical Decomposition Agents, Acid Scavengers, Photochemical Stabilizer, and Metal Sequestering Agents.

Petron Plus™ Bio-Diesel Fuel Stabilizer Concentrate may be continuously or batch blended into Biodiesel as a concentrate or as a stock solution. The bio-diesel should be treated with Petron Plus™ Bio-Diesel Fuel Stabilizer Concentrate as early as possible in the Biodiesel production cycle. Treatment rates depend upon the nature of the bio-diesel, but are typically in the range of 600 - 1,000 ppm by volume.

Petron Plus™ Bio-Diesel Fuel Stabilizer Concentrate is a middle distillate fuel additive that provides the following functional and performance benefits: Superior Rancimat (EN 14112) Stability enhancement in B100 and BXX Blends - Extends bio fuel storage stability. Inhibits peroxide formation - protects against elastomer degradation. Minimizes effects of peroxide degradation - diminishes polymers formation, and formation of malodorous volatile acids. Protects against acid induced degradation - complexes the corrosive acidic by products of bio degradation. Excellent against metal catalyzed degradation - inhibits detrimental effects of metal contamination. Product components have a long history of no harm in fuel applications. Compatible with petroleum fuels and other petroleum fuel additives. Excellent low temperature handling -40°F/°C. The sulfur content of this product does not exceed 15 ppm.

APPLICATIONS:

1. Formulated to enhance the stability of Biodiesel (B 100) and Biodiesel / Petroleum Diesel Blends (BXX).
2. It is applicable for B100 and BXX blended fuels for on-road, off-road, and home heating, marine, rail, and power generation applications.

FEATURES:

1. Superior Rancimat (EN 14112) Stability enhancement in B100 and BXX Blends - Extends bio fuel storage stability.
2. Inhibits peroxide formation - protects against elastomer degradation.
3. Minimizes effects of peroxide degradation - diminishes polymers formation, and formation of malodorous volatile acids.
4. Protects against acid induced degradation - complexes the corrosive acidic by products of bio degradation.
5. Excellent against metal catalyzed degradation - inhibits detrimental effects of metal contamination.
6. Product components have a long history of no harm in fuel applications.
7. Compatible with petroleum fuels and other petroleum fuel additives.
8. Excellent low temperature handling -40°F/°C.
9. The sulfur content of this product does not exceed 15 ppm.

BENEFITS:

1. May be continuously or batch blended into Biodiesel as a concentrate or as a stock solution.
2. Stability enhancement in B100 and BXX Blends - Extends bio fuel storage stability.
3. Minimizes effects of peroxide degradation - diminishes polymers formation, and formation of malodorous volatile acids.

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TYPICAL SPECIFICATION:

**PETRON PLUS™ FORMULA 7
BIO-DIESEL FUEL STABILIZER CONCENTRATE**

Part No.,	20210, 20212, 20214, 20215
Viscosity, cSt @ 100°F.,	2.19
32°F.,	7.08
-40°F.,	97.9
Flash Point, °F.,	107
Pour Point, °F.,	-40
Specific Gravity, @ 60/60°F.,	0.896
lb/US gal.,	7.46
Total Amine Value, mgKOH/g,	80
Ash, wt%,	0.00
Color,	3.0
Appearance,	Clear Amber Liquid

TREATMENT

Petron Plus™ Bio-Diesel Fuel Stabilizer Concentrate may be continuously or batch blended into Biodiesel as a concentrate or as a stock solution. The bio-diesel should be treated with Petron Plus™ Bio-Diesel Fuel Stabilizer Concentrate as early as possible in the Biodiesel production cycle. Treatment rates depend upon the nature of the bio-diesel, but are typically in the range of 600 - 1,000 ppm by volume.

PPM (Parts Per Million):

- 100 ppm = 1 gallon per 10,000 gallons capacity
- 200 ppm = 1 gallon per 5,000 gallons capacity
- 500 ppm = 1 gallon per 2,000 gallons capacity
- 1000 ppm = 1 gallon per 1,000 gallons capacity

Distributed By:

December., 2010

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