



## TECHNICAL DATA

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### #192WND WINTERIZED NEUTRA™ PLUS NO DYE

Winterized Neutra™ Plus No Dye is a highly concentrated multi-functional fuel stabilizer that is specially formulated for use in all types of low sulfur diesel fuel.

Winterized Neutra™ Plus No Dye contains a highly concentrated multi-functional additive package. When used at the recommended treatment level, this multi-functional additive package allows Winterized Neutra™ Plus No Dye to provide the following performance benefits:

1. Improves the fuel's cetane rating.
2. Easier cold weather starting. Minimum starting temperatures are lowered 5°F.
3. Faster warm-up.
4. Reduced misfiring at lower air inlet temperatures.
5. Provides detergency for cleanliness throughout the entire fuel system.
6. Modifies existing injector deposits, allowing for their removal and safe passage into the combustion chamber where they are burned.
7. Improves combustion by completely vaporizing the fuel, thus allowing for better fuel economy and prevention of significant losses in engine power.
8. Neutralizes sulfuric and sulfurous acids as they are formed during combustion. This results in full protection against corrosive wear to the cylinder liners, piston rings, exhaust valve guides and other engine parts.
9. Reduces exhaust smoke and particulates.
10. Disperses insoluble gums and resins present in low quality fuel.
11. Provides rust and corrosion protection to the complete fuel system.
12. Inhibits oxidation of the fuel during storage.
13. Increases storage stability.
14. Provides excellent anti-wear protection for the injectors and fuel pump, especially for those engines burning low sulfur diesel fuel.
15. Allows moisture to rapidly settle out of the fuel so that it can be pumped out of the fuel storage tanks.

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16. Lubrication of upper cylinders, fuel pumps and injectors.
17. Provides supplemental ring and valve train anti-wear protection.
18. Lowers the freeze point of any water or moisture that may be present in the diesel fuel.
19. Dispersion of water present in the diesel fuel to prevent fuel icing and other problems associated with water.
20. Coats internal parts of the fuel system to allow better fuel flow and less internal function.

In addition to the multi-functional additive package, Winterized Neutra Plus No Dye also contains a proprietary wax crystal modifier, cold flow improver, heavy wax modifier polymeric type additive **system that when added to the diesel fuel before the fuel has reached its cloud point**, helps to prevent the formation of wax crystals. The proprietary polymeric additive system modifies the individual wax crystals by encapsulating and dispersing them as they are formed. This not only drastically reduces the size of the wax crystals, but also prevents the growth of larger wax crystals and their adhesion to each other. This in turn allows the wax crystals to flow through the fuel filters and lines and into the combustion chamber with the fuel. **By the addition of Winterized Neutra Plus to the diesel fuel before it has reached its cloud point, the gelling point of the diesel fuel will be lowered an average of 15°F to 25°F below the original gelling point of the untreated diesel fuel.**

## **TREATMENT LEVEL**

One gallon of Winterized Neutra™ Plus No Dye to every 200 gallons of low sulfur diesel fuel.

Winterized Neutra™ Plus No Dye is suitable and meets the US EPA requirements for blending into low sulfur diesel fuels. When used at the recommended treatment ratio Winterized Neutra™ Plus No Dye will not cause a measurable increase in the sulfur content of the diesel fuel and will not have any measurable effect on the cetane index or aromatic content of the fuel.

**THIS DIESEL FUEL ADDITIVE DOES NOT COMPLY WITH FEDERAL ULTRA LOW SULFUR CONTENT REQUIREMENTS FOR USE IN MODEL 2007 AND NEWER ENGINES.**

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### TYPICAL PROPERTIES

Specific Gravity 60°F	.8941
Viscosity SUS @ 100°F (ASTM D-445)	52
Viscosity cSt @ 100°F (ASTM D-445)	7.08
Flash Point °F/°C Pensky Martin Closed Cup (ASTM D-93)	125°/52°
Pour Point °F/°C (ASTM D-97)	-20°/-29°
Ash Content % wt. (ASTM D-482)	0
Copper Corrosion Test (ASTM D-130)	1a