



# TECHNICAL DATA

102 Barton Street, St. Louis, Missouri 63104

In-State (314) 865-4100/Out of State 800-325-9962/Fax (314) 865-4107 <http://www.schaefferoil.com>

## #131 NEUTRA FUEL STABILIZER

Neutra Fuel Stabilizer is a highly concentrated multi-functional, ashless fuel stabilizer that is specially formulated for use in all grades of gasoline including ethanol-blended gasoline, all types of diesel fuel and biodiesel blends.

Neutra Fuel Stabilizer contains a highly concentrated additive package. When used at the recommended treatment levels, this additive package allows Neutra Fuel Stabilizer to provide the following performance benefits:

1. Improved combustion of the fuel by vaporizing the fuel into smaller particles, thus allowing for more power per gallon of fuel and better fuel economy
2. Extended engine life by lubricating the upper cylinders
3. Neutralization of acids that are formed during combustion, thus giving full protection against corrosive wear to the cylinder liners, piston rings, exhaust valve guides and other engine parts
4. Detergency to provide cleanliness to fuel lines, tanks, pumps, injectors and carburetors
5. Clean-up and modification of existing injector deposits, intake valve deposits and fuel system deposits allowing for their removal and safe passage into the combustion chamber where they can be burned
6. Helps control and prevent phase separation in ethanol blended gasoline
7. Dispersion of insoluble gums often present in low quality fuels
8. Helps control and prevent the formation of gums and the build-up or varnish deposits associated with ethanol-blended fuels
9. Excellent rust and corrosion protection to prevent fuel system corrosion that can be associated with the use of low quality fuels or ethanol-blended fuels
10. Excellent corrosion inhibition to prevent the corrosive effects of ethanol and moisture
11. Excellent anti-wear protection of the injectors and fuel pumps especially from those engines burning low sulfur diesel fuels, reformulated gasoline, oxygenated gasoline or ethanol blended gasoline
12. Lubrication of upper cylinders, fuel pumps, injectors and carburetors
13. Supplemental ring and valve-train anti-wear protection
14. Lowers the freeze point of any water that may be present in the fuel.
15. Dispersion of water present in the fuel to prevent fuel icing and other problems associated with water
16. Excellent control of moisture and the prevention of corrosion problems associated with moisture
17. Excellent stabilization of the fuel during storage
18. Prevention of breakdown and oxidation of regular and ethanol blended gasoline especially during long-term storage
19. Coating of the internal parts of the fuel system in order to allow better fuel flow and less internal friction

Continued on Next Page

TD-131 (Rev 08/2012)

20. Inhibition of oxidation of the fuel during storage
21. Reduced emission and exhaust smoke
22. Lead replacement for reduced exhaust valve seat wear (recession) for both non-hardened and hardened exhaust valve seat and seat inserts

Neutra Fuel Stabilizer is suitable and meets the US EPA requirements for blending into low sulfur diesel fuels. When used at the recommended treatment ratios Neutra Fuel Stabilizer will not cause a measurable increase in the sulfur content of the diesel fuel and will not have any measurable effect on cetane index or aromatic content of the diesel fuel.

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

**TREATMENT LEVEL**

1. For gasoline: Add 2 to 3 quarts of Neutra to every 200 gallons.
2. For diesel fuel: Add ½ to 1 gallon of Neutra to every 200 gallons of fuel.
3. One 12 ounce bottle to every 10 to 20 gallons of fuel

**EQUIPMENT PURGE**

Neutra Fuel Stabilizer can also be used as a flushing fluid to purge and remove equipment of varnish and carbon deposits that may have built up over time.

**Gas and Diesel Engines, Fluid Powered Transmissions, Differentials**

Use one ounce to every quart of engine oil. Run the engine for 500 miles or for 4 to 12 hours prior to change out.

**Gear Boxes, Hydraulic Systems, Air Compressors**

Neutra may be used to gently purge industrial equipment (hydraulics, pumps, compressors, gear boxes) of varnish and carbon deposits by adding it to the oil during the last 25-50 hours prior to change-out.

1 ounce to 1 quart of oil  
4 ounces to 1 gallon of oil  
1 gallon to 32 gallons of oil

**TYPICAL PROPERTIES**

API Gravity 60°F (ASTM D-287)	27
Specific Gravity 60°F	.8927
Viscosity SUS at 100°F (ASTM D-445)	49
Viscosity Cst at 100°F (ASTM D-445)	7.08
Flash Point °F/°C (ASTM D-92)	125°/51.67°
Flash Point °F/°C Pensky Martin (ASTM D-93)	104°/40°
Pour Point °F/°C (ASTM D-97)	<-50°/<-45.66°
Ash Content % wt. (ASTM D-482)	0
Copper Strip Corrosion Test (ASTM D-130)	1a