



ADVANCED FUEL SOLUTIONS, INC.

ADVANCED THINKING AND NEXT GENERATION TECHNOLOGY  
ENHANCING THE FUEL THAT POWERS YOUR BUSINESS.

## HEATDOC™ (ODT-21)

ODT-21 is a multifunctional additive package specifically designed to stabilize Ultra Low Sulfur Heating Oil, Biodiesel (B100), and Biodiesel / ULS Heating Oil Blends (Bxx) for long-term storage.

ODT-21 is a synergistic combination of stabilizers, dispersants, a metal deactivator, and a corrosion inhibitor.

ODT-21 retards fuel stability problems such as, rapid fuel blackening, sludge formation and systematically disperses sedimentation to reduce filter, strainer, and nozzle plugging.

### Addition

ODT-21 may be continuously or batch blended into fuel as a concentrate or as a stock solution. Continuous dosing into the fuel is the preferred method of addition. For best results, ODT-21 should be added to the fuel as early in the process as possible.

NOTE: Copper, brass, or bronze (yellow metals) should not be used with neat additive.

*For personal safety, first aid, storage and handling, see the safety data sheet (SDS) for product specific information.*

**ODT-21 is a fuel additive that provides the following functional and performance properties:**

- Inhibits peroxide formation - protects against elastomer degradation
- Protects against acid induced degradation - complexes the corrosive acidic by products of bio degradation
- Stabilizes heating oil, diesel, biodiesel, and blends of both
- Excellent against metal catalyzed degradation - inhibits detrimental effects of metal contamination
- Provides detergency to Bxx blends, inhibits varnishing attributed to fuel instability.



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### AFS Technical Team

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### Typical Properties

Appearance .....	dark red liquid
Specific Gravity, 60/60°F (15.6/15.6°C) .....	0.907
Density, lb./gal, 60°F .....	7.57
Flash Point, PMCC, °F .....	145
Viscosity, cSt @ 100°F .....	21.16
Pour Point °F .....	-40
Recommended Treat Rate .....	1: 20,000