

FUELS

# AvGuard™ A0 609

Antioxidant



A Versatile Oxidation Inhibitor for Jet Fuels, Gasoline and ULSD

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### Application and Performance Benefits

AvGuard™ AO 609 is a versatile phenolic antioxidant recommended for use in jet fuels, gasoline and ULSD. It is a non-corrosive and non-hydrolysable additive that inhibits fuel decomposition products (gum) during storage.

AvGuard™ AO 609 meets all major civil and military specifications for transportation fuels including the British Ministry of Defense RDE/A/609 requirements.

### Typical Characteristics

Appearance	Yellow Liquid
Specific Gravity @ 15.6°C	0.94
Density, lb/gal	7.84
Viscosity @ 40°C, cSt	6.3
Flash Point, °C (PMCC), min.	100
Freeze Point, °C, min.	17

### Handling Information

AvGuard™ AO 609 should be stored above its freeze point to minimize handling issues. If the product should solidify, it can be gently warmed with low-pressure steam or drum warmers. The maximum handling temperature is 50°C / 122°F.

Please see the Material Safety Data Sheet for specific handling and safety information.

### Recommended Dosage

Contact your Afton representative for gasoline treat rate recommendations.

Fuel Type	Specification	Hydrotreated (mg/L)*	Non Hydrotreated (mg/L)*
Jet A&B	ASTM D1655	24 <sup>2</sup>	24 <sup>2</sup>
Jet A-1 F-35 AVTUR	MOD Def Stan 91-91	17-24 <sup>3</sup>	24 <sup>2</sup>
JP-4 F-40 AVTAG/FSII	MIL-DTL-5624	17.2-24 <sup>3</sup>	24 <sup>2</sup>
JP-5 F-44	MIL-DTL-5624	17.2-24 <sup>3</sup>	17.2-24 <sup>3</sup>
F-44 AVCAT/FSII	MOD Def Stan 91-86	17.2-24 <sup>3</sup>	24 <sup>2</sup>
JP-8 F-34 AVACT/FSII	MIL-DTL-83133	17.2-24 <sup>3</sup>	24 <sup>2</sup>

\*Verify the appropriate requirements by consulting the latest revision of the appropriate specification.

<sup>2</sup>Maximum permitted dosage

<sup>3</sup>Required dosage