

# ETHANOX<sup>®</sup> 4733

## Fuel Antioxidant



### Application

ETHANOX 4733 fuel antioxidant is the prime antioxidant recommendation for jet fuel, and it is also useful for blend components and finished gasoline. It is a 100-percent active phenolic antioxidant that meets all major civil and military specifications for transportation fuels. The product also meets British Ministry of Defense RDE/A/609 requirements.

### Features

- Liquid at room temperature
- Non-corrosive and non-hydrolyzable
- Inhibits decomposition in jet fuels and gasoline during storage

### Specified dosage for jet fuel (mg/L<sup>1,2</sup>)

	Jet A&B	Jet A-1	JP-4
ASTM	D1655		
US Mil Spec.			MIL-DTL-5624
MOD DEF STAN		91-91	
Joint Service Designation		AVTUR	AVTAG/FSII
NATO		F-35	F-40
Hydrotreated	24 <sup>3</sup>	17-24 <sup>4</sup>	17.2-24 <sup>4</sup>
Non-Hydrotreated	24 <sup>3</sup>	24 <sup>3</sup>	24 <sup>3</sup>
	JP-5		JP-8
ASTM			
US Mil Spec.	MIL-DTL-5624		MIL-DTL-83133
MOD DEF STAN		91-86	
Joint Service Designation		AVCAT/FSII	AVCAT/FSII
NATO	F-44	F-44	F-34
Hydrotreated		17.2-24 <sup>4</sup>	17.2-24 <sup>4</sup>
Non-Hydrotreated	17.2-24 <sup>4</sup>	24 <sup>3</sup>	24 <sup>3</sup>

<sup>1</sup>Consult the latest revision of the appropriate specifications for detailed requirements. <sup>2</sup>To convert from mg/L to pounds per thousand barrels, multiply by 0.3505. <sup>3</sup>Maximum permitted dosage. <sup>4</sup>Required dosage.

## Shipping information

Appearance	yellow liquid
Specific gravity	0.94
Viscosity at 104°F (40°C), cSt	6.3
Flash point (PMCC), °F/°C, min.	212/100
Freeze point, °F/°C	63/17

## Safety and handling information

ETHANOX 4733 fuel antioxidant tends to supercool, which may allow it to remain a liquid below its freeze point. We recommend that the product be stored and handled above its freeze point. If the product solidifies, low-pressure steam or drum warmers may be employed.

ETHANOX 4733 fuel antioxidant is available in a variety of dilutions that facilitate handling at low temperatures.

Before handling or using this product, the material safety data sheet (MSDS) should be read and understood. The MSDS can be obtained from your Albemarle sales representative.

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