

ETHANOX[®] 4701

Antioxidant



Application

ETHANOX 4701 antioxidant is an ashless oxidation inhibitor for a variety of lubricant products, including industrial lubricating oils, transformer oils, transmission fluids, transformer fluids, slideway oils, quench oils, greases, and engine oils.

Features

- High hindered phenolic activity
- Low melting point for easy handling
- Excellent oil solubility
- Does not produce a phenolic odor
- Synergistic with zinc dithiophosphates and alkylated diphenylamines
- Effective at controlling deposits and sludge in the ASTM D4310 and the Cincinnatti Machine Thermal Stability Test Method A
- Effective at extending induction time in the RPVOT ASTM D 2272
- Available in custom blends

Recommended Dosage

The use concentration of ETHANOX 4701 lubricant antioxidant is typically 0.15% to 0.75% by weight in lubricating oils and transformer oils. Please contact your Albemarle representative for specific recommendations.

Typical Properties

Appearance	light straw-colored crystalline
Melting point, °F (°C)	97 (36)
Viscosity @ 40 °C, cST	6.64
Specific gravity @ 68 °F (20 °C)	0.914
Weight per gallon (USA), lbs.	7.6
Weight per gallon (Imperial), lbs.	9.1
Pour point, °F (°C)	97 (36)
Assay, wt%	99
Flash point, °F (°C) (TCC)	198 (94)
Composition	-2-6-Di-tertbutylphenol

Shipping information

Standard Containers

Tank cars, tank trucks, 370-gallon intermediate bulk containers and non-returnable lacquer-lined drums containing 410 lbs. (186 kgs) net.

Storage, Handling and Toxicity

ETHANOX 4701 lubricant antioxidant is normally a solid, but it may become partially or completely liquid when exposed to bright sunlight in warm climates. Melting can be accomplished by heating to 100° - 120 °F (38 °C) with electric drum blankets, hot rooms or low-pressure steam. ETHANOX 4701 lubricant antioxidant is readily soluble in mineral oils and fuels. Store at 40 °F-80 °F and avoid aeration. Shelf life recommendation is 24 months from ship date.

For specific safety, handling and toxicity information, please refer to the current material safety data sheet, which is available on request.

SC-1036 (8/03)



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