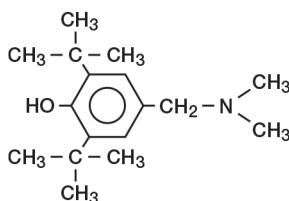


ETHANOX[®] 4703 Lubricant Antioxidant

DESCRIPTION

ETHANOX 4703 lubricant antioxidant is a unique polar molecule containing a hindered phenol structure and an aliphatic amine group. It is effective at high temperatures, which makes it particularly suitable for industrial lubricants. Applications include steam turbine oils, R&O oils, hydraulic fluids, transformer oils, industrial gear oils and grease.



FEATURES AND BENEFITS

- Allows a reduction in corrosion inhibitor dosage
- Ashless TBN source for the neutralization of harmful acidic oxidation byproducts

| TYPICAL PHYSICAL PROPERTIES* | |
|----------------------------------|--------------------|
| Form | Crystalline powder |
| Color | Light yellow |
| Molecular Weight | 263.4 |
| Melting Point, °F (°C) | 201 (94) |
| Boiling Point, at 40 mm, °F (°C) | 354 (179) |
| Flash Point (COC), °F (°C), min | > 200 (> 93) |
| Total Base Number, mg KOH/g | 214 |

**Presented for information purposes only. To obtain a copy of the sales specifications, FDA status, or user guidelines for this product please contact an SI Group representative.*

| SOLUBILITY (Wt% at 20°C) | |
|--------------------------|----------|
| Petroleum Oils | 2.0 |
| Diocetyl Sebacate | 6.8 |
| Toluene | 28 |
| Ethyl Alcohol | 29 |
| Water | < 0.0007 |
| 10% NaOH | < 0.002 |

ETHANOX® 4703 Lubricant Antioxidant

CAS: 88-27-7

MITI: 3-2865

SHIPPING INFORMATION

Shipping Classifications

Proper Shipping Name: Not Regulated for Transportation

SAFETY AND HANDLING INFORMATION

ETHANOX 4703 lubricant antioxidant is slightly toxic when given orally to rats (LD50 is 1.03g/kg) and when applied dermally to rabbits (LD50 is greater than 4.0g/kg). It is a severe, but reversible eye irritant. It is not a skin irritant and, because of its low vapor pressure, does not present a significant hazard. Avoid contact with eyes. Wash thoroughly after handling. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

Crystalline compounds containing phenolic groups are known to have severe dust explosivity ratings.

For specific information on the toxicology and safe handling of this product, please refer to the material safety data sheet (MSDS). Copies are available upon request.