



VANLUBE® 692E

Ashless Antiwear and
Extreme Pressure
Additive

TECHNICAL DATA

VANLUBE® 692E Lubricant Additive is an ashless amine phosphate that is used as an antiwear/extreme pressure additive in metal working fluids and a wide range of industrial lubricants.

CHEMICAL COMPOSITION

Amine Phosphate Compound

TYPICAL PROPERTIES

Physical State	Dark amber liquid
Color, ASTM D1500	3.0
Density @ 15.6 °C, Mg/m ³	0.99
Viscosity @ 100 °C, mm ² /s	54.0
Flash Point (PMCC), °C	165.5
Nitrogen Content, %	2.7
Phosphorous Content, %	5.8

* The analytical data listed above are not specifications

APPLICATIONS

- Metal Working Fluids
- Hydraulic Fluids
- Compressor Fluids
- Industrial Gear Oils
- Turbine Oils
- Process Oils
- Circulating Oils
- Greases

RECOMMENDED TREAT RATES

- Recommended treat rates are 1 to 3.0% based on application

ADVANTAGES

- Offers utility as sulfur-free and ashless antiwear additive in metalworking fluids
- Works well with other Vanderbilt Petroleum additives to reduce wear in various industrial formulations for improved 4-Ball wear
- Functions as ashless extreme pressure additive to improve FZG & 4-Ball EP performance
- Incorporates both aryl and long chain alkyl groups to improve solubility in mineral oil
- Enhances extreme pressure properties of sulfurized olefins, chlorinated paraffins, dithiocarbamates and phosphorodithioates

SOLUBILITY

- Has good solubility in petroleum and synthetic base oils

STANDARD PACKAGING

- 400 lb. Metal Drums
- Bulk Loads Available

STORAGE AND HANDLING

- Please refer to section 7 of the SDS for handling and storage information.
- Long Term Storage Temperature is Room Temperature
- Being a highly viscous material, it is recommended that it be heated prior to blending into finished lubricants. Short Term Maximum Temperature is 75°C

REGISTRATION

Please refer to section 15 of the SDS for regulatory information.

CONTACT INFORMATION

For samples, product information and/or technical service please contact Vanderbilt Chemicals, LLC or the Vanderbilt representative in your area:

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