

Supplier - DOVER  
**Doverphos EP-425**  
*Phosphate Ester*  
*Phosphorus Containing Additives*

### Typical Properties

Appearance	Clear to Slightly Hazy Fluid
Phosphorus Content,%wt	4.5
Specific Gravity(60/60°F)	0.990
Viscosity@100°F(210°F),SUS	3400 (500)
Acid Value meq KOH/g	< 0.5
Viscosity Index	250
Color (ASTM D-1500)	< 0.5

### Product Description

**DOVERPHOS EP-425** is a polymeric phosphite ester suitable for machining/grinding of ferrous and non-ferrous alloys. Can be incorporated in neat oils, as well as water-dilutable coolants.

**DOVERPHOS EP-425** brings both anti-wear (AW) and extreme pressure (EP) to the compounder/blender's formula.

#### Advantages and Benefits:

- Light color and low odor
- Non-chlorinated extreme pressure lubrication extends tool life and improves finishes
- Stable in a wide variety of mineral oils, synthetic oils, and esters
- Extremely low acidity, thus reducing possibility of staining on non-ferrous alloys
- 30% wear scar reduction compared to inactive sulphurised ester
- 30-40% wear scar reduction compared to other phosphorus-containing additives
- Higher efficiency in drawing carbon steel and stainless steel compared to sulphurised additives, chlorinated additives, and other phosphorus-containing additives
- Equal performance to chlorinated, and sulphurised additives in tapping carbon steel
- Globally registered
- HX-1 approved

Print date: 05-07-26

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