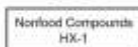


DOVERPHOS EP-425



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

TYPICAL PROPERTIES

Property	Result
Appearance	Clear to slightly hazy
Color (ASTM D-1500)	<0.5
Viscosity @ 100F, SUS	1300
Viscosity @ 210F, SUS	500
Viscosity Index	250
Specific Gravity (60/60F)	0.99
Total Acid Value (mgKOH/g)	<0.5
Phosphorus Content (%)	4.5

To avoid product deterioration, always keep the container tightly sealed. Prevent any frost and water ingress. Store in a cool and dry place away from direct sunlight. It is preferable to store the product indoors.

The information contained on this data sheet is believed to be reliable. Since the conditions of application and use of our products are beyond our control, no warranty is expressed or implied regarding accuracy of the information, the results obtained from the use of the product, or that such use will not infringe on any patent. This information is furnished with the express condition that you will conduct your own tests to determine the suitability of the product for your particular use. (060520)

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