DOVERPHOS EP-425, developed by Dover Chemical Corporation, is a revolutionary patented polymeric phosphite ester that excels in all metalworking applications. Not only can it be incorporated in neat oils, but due to its strong resistance to hydrolysis, it can be used in various water-soluble coolants and semi-synthetic fluids.

ADVANTAGES AND BENEFITS

- Light color and very low odor
- Stable in a wide variety of mineral oils, synthetic oils, and esters
- Extremely low acidity, thus reducing the possibility of staining to nonferrous alloys
- High Viscosity Index (VI) providing excellent boundary film at elevated temperatures
- Globally registered and REACh registered

PERFORMANCE ASPECTS

- Provides 30% reduced 4-Ball scar diameter compared to sulphurised esters
- Provides 30-40% reduced 4-Ball scar diameter compared to other phosphite and phosphate esters
- Higher efficiency over chlorinated, sulphurised, and other phosphorus-containing additives in drawing of carbon steel and stainless steel
- Can be used as an alternative to chlorinated additives in tapping carbon steel operations
- Can be used as an ashless alternative to ZDDP (Zinc Dialkyldithiophosphate)

For more information, visit us at www.doverchem.com