

## DOVERLUBE NCEP

### *Chlorine-Free Extreme Pressure Additive*

**Doverlube NCEP** is a novel, patent-pending EP additive derived from vegetable oil. It contains 1-2% nitrogen and no sulfur, phosphorous, chlorine, metal nor complex esters. It is non-corrosive, low in toxicity and works well alone or with conventional sulfurized additives. Unlike chlorinated additives, **Doverlube NCEP** does not promote crack-corrosion because it forms a protective coating on the applied metal surface after processing.

#### TYPICAL PROPERTIES

Property	Typical Result
Nitrogen, %	1.5
Specific Gravity @ 25°C	0.9
Density (lb/gal)	7.8
Viscosity @ 100°F	300
Color, Gardner	>9

#### PERFORMANCE

**Doverlube NCEP** has been proven, both in bench tests and field applications, to successfully replace chlorinated and sulfurized additives in machining stainless steel and other hard-to-machine alloys such as nickel-based and titanium. **Doverlube NCEP's** unique performance with stainless steel parts is demonstrated by these CNC testing results:

	Sulfurized EP	Sulfur-Chlorine	Doverlube NCEP
<b># Holes Tapped</b>	5	400	400

same level of total additives or NCEP 1:1 replacement with chlorinated paraffin

#### STORAGE

**Doverlube NCEP** may be stored in its original container or in a bulk storage tank. Exposure to below 32°F for an extended period will cause some crystallization. To reverse this, drums need to be returned to 80°-90°F. Recommended storing temperatures range from 80°-100°F. Blending should not exceed 130°F. Prolonged exposure to temperatures in excess of 100°F may result in pressure building up inside containers.

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