

DOVERLUBE 31700

Polymeric Ester

Doverlube 31700 is a polymeric ester that imparts lubricity and can be utilized to enhance or replace EP additives in formulations. **Doverlube 31700** can be used synergistically with sulfur and phosphorus to enhance performance or reduce their usage levels. **Doverlube 31700** can also be used as a substitute for blown or oxidized oils, as well as fats to improve thermal and hydrolytic stability. **Doverlube 31700** is soluble in both naphthenic and paraffinic base oil and can be used in soluble and semi synthetic Metalworking fluid formulations. Additionally, **Doverlube 31700** exhibits excellent thermal & hydrolytic stability, oxidative resistance, and is low residue. Alternatively it can reduce or replace chloroparaffins in some formulations.

Recommended use levels are:

	% Treat
Cutting Oils (Ferrous Metals)	3-10*
Machining (Heavy Duty Ferrous)	3-8**
Drawing and Stamping (Aluminum)	5-20
Machining (Aluminum)	5-8
Solubles / Semi-synthetics	3-6

* Medium duty used in combination with EM-706 (6:1 ratio)

* Heavy duty used in combination with Mayco Base 1540 (2-5%)

** In combination with Mayco Base 1540 (1-4%)

TYPICAL PROPERTIES

Property	Result
Appearance	Clear, Viscous Liquid
Viscosity Index	209
Density, lb/gal	7.64
Viscosity, SUS @ 100°F (210°F)	16,700 (1150)
Viscosity, cSt @ 40°C (100°C)	2,900 (227)
Color, ASTM	3.5
Flash Point, PMCC, °F (°C)	390 (199)
Pour Point, °F (°C)	28 (-2) No Cloud at Pour Point
Acid Value, mgKOH/g	5

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. (030821)

CHLOREZ®, CHLOROWAX®, CHLOROWAX 50®, DOVERHIB®, DOVERLUBE®, DOVERNOX®, DOVERPHOS®, DOVERPHOS® HIPURE®, DOVERPHOS LGP-11®, DOVERPHOS S-9228®, LUBE-BOOSTER®, MAYCO®, PAROIL®, SUL-PERM®, and SYNKAD® are federally registered trademarks of Dover Chemical Corporation.

3676 Davis Road NW, Dover, OH 44622

330-343-7711 · 800-321-8805 · Facsimile 330-365-3926 · www.doverchem.com