

MARTOL 145 S



METALWORKING



TOTAL

Chlorinated, Drawing and Forming Lubricant for Ferrous and Non-Ferrous Metals.

APPLICATIONS

- **MARTOL 145 S** is a high viscosity, petroleum based, drawing lubricant especially formulated for drawing many different types of metals. It provides a very high film strength, plus a chlorinated chemical boundary agent, which act to provide a resilient film between the die and workpiece.
- **MARTOL 145 S** will not stain copper or aluminum, making it a versatile product to be used on a variety of metals. It can be used for drawing and forming operations on ferrous and non-ferrous metals.
- **MARTOL 145 S** should be used as received for stamping, drawing, and forming applications. It may be applied to blanks or strip by spray, brush, or wiper pads. Parts cleaning is accomplished with vapor degreasing, petroleum or chlorinated solvent dip, or with a hot alkaline wash.

ADVANTAGES

- Very good extreme pressure performance due to the addition of chlorine.
- Increases die life.
- Excellent lubricity properties--Increases the die life on a large scale of parameters maintaining an additive layer on the die and workpiece surfaces.
- Handles a broad spectrum of metals.
- Excellent metal wetting ability.
- Anti-weld agent.

TYPICAL CHARACTERISTICS	MARTOL 145 S
Appearance	Bright and Clear Liquid
Color, ASTM D-1500	< 2.5
Viscosity at 40°C, cSt	220.0
Density @ 60 °F, lbs./gal.	7.83
Specific Gravity @ 60/60 °F	0.938
Flash Point, COC, °F	365
Copper Strip Corrosion	1A - 1B
Lubricity Content, %wt.	< 1.0
Sulfur, %wt.	None
Chlorine, %wt.	< 4.0

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