

MARTOL 235 S



METALWORKING



TOTAL

Chlorine-free, Drawing and Forming Lubricant for Ferrous Metals.

APPLICATIONS

- **MARTOL 235 S** is a new generation, non-chlorinated, extreme pressure fortified drawing lubricant. It combines the latest in additive technologies of synthetic anti-weld and lubricity agents to form a product capable of performing difficult drawing operations with reduced smoke.
- **MARTOL 235 S** works to provide a chemical barrier between the workpiece and the die. This barrier prevents abrasion of the workpiece and the extends the life of the die.
- **MARTOL 235 S** is used on all drawing and forming operations on ferrous and stainless alloy metals.
- **MARTOL 235 S** should be used as received and is generally applied by flooding the workpiece. This product, however, may be applied to strips or blanks by dipping, rolling, or brushing. Parts cleaning is accomplished by solvent degreasers or conventional hot alkaline cleaners.

ADVANTAGES

- Very good extreme pressure performance due to the addition of sulfur.
- 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 ferrous metals.
- Excellent metal wetting ability.
- Anti-weld agent.
- Pleasant odor.

TYPICAL CHARACTERISTICS	MARTOL 235 S
Appearance	Clear Amber Liquid
Color, ASTM D-1500	1.5
Viscosity at 100°C, cSt	11.5 - 14.0
Density @ 60 °F, lbs./gal.	7.54
Specific Gravity @ 60/60 °F	0.899
Flash Point, COC, °F	355
Copper Strip Corrosion	1A - 1B
Lubricity Content, %wt.	> 20.0
Sulfur, %wt.	3.0
Chlorine, %wt.	None

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