



Lyden Oil Company

ProGuard Product Data

ProGuard Sparsol HD Plus Machining, Grinding, Cutting & Roll Forming Coolant Product Data Sheet

ProGuard Sparsol HD Plus represents a new chemistry in the formulation of water soluble metalworking oils. This product has been developed using the most modern vegetable based oils, designed to form a versatile, tight emulsion with most severe hard water sources. **ProGuard Sparsol HD Plus** contains a chlorinated extreme pressure additive and will provide excellent cooling and lubricity for medium to severe heavy duty applications. It can be used for machining and grinding of ferrous and nonferrous metals. Anti-wear and anti-weld properties of **ProGuard Sparsol HD Plus** provide extra protection in heavy duty/severe applications. **ProGuard Sparsol HD Plus** has been developed to provide excellent results as a medium to severe duty soluble oil. When properly mixed with water it will provide the user a versatile, long lasting and economical metalworking fluid.

Outstanding Features

- Excellent Cooling & Lubricity
- Emulsifies Easily With Water
- Excellent Rust Protection
- Bacteria & Fungus Inhibited for Long Sump Life

Typical Applications Include

- Light to moderate Drawing and Stamping
- Drilling
- Grinding
- Milling
- Roll Forming
- Sawing

Physical Specifications

Color	Amber
Odor	Characteristic
Appearance	Hazy, Liquid
Viscosity @ 40°C Cst	120-170
Viscosity @ 100°F Sus	556-788
Flash Point	310°F
Specific Gravity @ 60°F	0.9727
Density (lbs/gal)	8.10

Refractometer Readings

5%	5.0
6%	6.0
7%	7.0
8%	8.0
9%	9.0
10%	10.0

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