



Lyden Oil Company

ProGuard Product Data

ProGuard Sparkool SS Semi-Synthetic Machining & Grinding Coolant Product Data Sheet

ProGuard Sparkool SS is a multipurpose, vegetable oil based, semi synthetic machining and grinding coolant. **ProGuard Sparkool SS** has superior cooling and wetting properties and was developed for general purpose turning, milling and grinding operations of steel and high speed steel alloys. It offers the ease of maintenance found in full synthetic fluids while affording the economy of more conventional type soluble oils. **ProGuard Sparkool SS** mixes well with most degrees of water hardness to form a high quality metal working fluid that provides excellent lubricity for maximum tool life and good surface finish. Typical dilution ratios are 5% to 10%. **ProGuard Sparkool SS** is recommended for general purpose metalworking of ferrous and nonferrous metals.

Outstanding Features

- Excellent Cooling & Wetting Properties
- Excellent Lubricity
- Long Sump Life
- Good Corrosion Protection
- Resists Bacterial and Fungal Degradation

Typical Applications Include

- Reaming
- Drilling
- Grinding
- Milling
- Turning
- Sawing

Physical Specifications

Color	Blue
Odor	Characteristic
Appearance	Clear, Liquid
pH 10%, w/ tap water 17 grain hardness	9.15
Density (lbs/gal)	7.74
Pour Point	32°F
Specific Gravity @ 60°F	1.013

Refractometer Readings

10:1	4.5
20:1	2.25
30:1	1.50
40:1	1.125

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