



CRYSTAL 2000 SEMI-SYNTHETIC COOLANT

DESCRIPTION

Crystal 2000 is a low oil content, semi-synthetic, cutting and grinding fluid which can be used for all metals from stainless steel to aluminum. Prism's *Crystal 2000* is blended from the latest generation of boundary lubricity additives that result in maximum cooling, lubricity and stability. It combines the superior cooling properties of water with the lubricating capabilities of oil and it may be used in a variety of machining operations such as milling, drilling, turning, and grinding. *Crystal 2000* provides excellent rust prevention performance and is a clear running, trouble-free coolant with long service life. *Crystal 2000* is low foaming and maintains excellent hard water (600 PPM as CaCO₃) stability.

BENEFITS

- * Environmentally friendly
- * Excellent anti-rust characteristics
- * Contains no sulfur, phosphorous or DEA
- * Good hard water stability
- * Longer service life
- * Excellent operator acceptance

TYPICAL PROPERTIES

Appearance	Clear, green
SPG 60/60 °F	1.01
PH @ concentration	9.4
pH @ 20:1 dilution	8.9
Chip corrosion 24 hours @ 50:1	No Rust
Residue	Liquid

DILUTION RATIOS

Light-duty machining:	2.5 - 5%
Medium-duty machining:	5 - 7%
High-duty machining:	7 - 10%