



## **CRYSTAL 1003 SYNTHETIC COOLANT**

### **DESCRIPTION**

Prism's *Crystal 1003* represents modern lubrication technology's most advanced synthetic cutting and grinding fluid. It provides excellent rust protection for machines and parts. *Crystal 1003* is recommended for all methods of general machining applications and is especially suited for grinding processes.

*Crystal 1003* has superior wetting properties which make this product an excellent choice for grinding and polishing glass and ceramic materials also. The special formulation prevents caking of swarf and plugging up of fluid filtering and re-circulating systems

### **BENEFITS**

- \* Clean odor and low foaming
- \* Contains rust protection additives for machines and machined parts
- \* Contains no sulfur, chlorine, phosphorus or DEA
- \* Excellent hard water (600 PPM as CaCO<sub>3</sub>) stability
- \* Extends sump life
- \* Rejects tramp oil for easy skimming
- \* Prevents swarf caking and keeps systems free flowing

### **TYPICAL PROPERTIES**

<b>Appearance</b>	Opaque, light-blue
<b>SPG 60/60 °F</b>	1.00
<b>pH @ 20:1 dilution</b>	9.0
<b>Chip corrosion 24 hours @ 33:1</b>	No Rust
<b>Residue</b>	Liquid

### **DILUTION RATIOS**

<b>Iron and steel Light-duty grinding</b>	33:1
<b>Medium-duty machining and grinding</b>	20:1
<b>Glass and ceramic Grinding and polishing</b>	50:1