



## **K-SYN™ CI-200** **Water Soluble Corrosion Inhibitor**

### **GENERAL DESCRIPTION**

K-Syn™ CI-200 is an economical and highly effective corrosion inhibitor formulated to provide protection to cast iron and steel alloys. K-Syn™ CI-200 is designed for use in synthetic and low oil semi-synthetic metalworking fluids, water-based hydraulic fluids, and industrial cleaners. This amine carboxylate is inherently low foaming and has exceptional hard water stability. K-Syn™ CI-200 will deposit a thin oily-type film, upon the evaporation of water, which will also provide some short-term storage protection. K-Syn™ CI-200 contains no nitrates/nitrites, boron or secondary amines.

### **TYPICAL PROPERTIES (NOT SPECIFICATIONS)**

|                            |            | <b>CI-200</b>      |
|----------------------------|------------|--------------------|
| Appearance @ 25°C          | Visual     | Clear Amber Liquid |
| Specific Gravity @ 15.6°C  | ASTM D1298 | 1.14               |
| pH @ 1% in DI water        | ASTM E70   | 8.7                |
| Total Acid Number, mgKOH/g | ASTM D974  | 41                 |

### **PERFORMANCE PROPERTIES (NOT SPECIFICATIONS)**

|   |            | <b>CI-200</b> |
|---|------------|---------------|
| Cast Iron Chip Protection, 2.0% in DI Water | ASTM D4627 | No Rust       |
| Hard Water Stability, 10% in 3000 ppm Water | Visual     | Clear         |

### **APPLICATIONS**

Treat rates for K-Syn™ CI-200 range from 10% to 30% in a synthetic fluid concentrate depending on the particular machining operation, desired pH of the finished, and the dilution rates of the finished concentrate in water. For additional short-term storage protection, upon completion of the machining operation, K-Syn™ CI-200 concentrations could range from 1.0% to 3.0% depending on the desired length of storage and the environment of the stored parts.

### **AVAILABILITY**

K-Syn™ CI-200 is available in Bulk Shipments, Totes, and 55-Gallon Drums.

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