



## **PRODUCT DATA SHEET**

### **CL2213 – Phosphonic Acid (Scale Inhibitor)**

#### **DESCRIPTION**

CL2213 *Phosphonic Acid* is a scale inhibitor that will provide inhibition of Calcium Carbonate and Calcium Sulfate scales at concentrations between 0.5 to 5.0 ppm., depending on the type and severity of the scale problem.

#### **PHYSICAL PROPERTIES**

Density (Lbs./Gal.): 9.193  
Specific Gravity: 1.103  
Flash Point: >200°F  
Pour Point: -20°F  
pH: 1.0 to 2.0

#### **SOLUBILITY**

Fresh Water: Soluble  
High TDS Brine: Soluble (depending on calcium content)  
Calcium Tolerance: Less than 8,000 mg./L.  
Diesel Oil: Insoluble  
Heavy Aromatic Solvent: Insoluble  
Crude Oil: Insoluble

#### **USAGE**

CL2213 may be used in water based drilling fluids either in addition to or in place of CL9390 when Calcium Carbonate or Calcium Sulfate scaling is problematic. Typically 5-10 gallons of CL2213 added at the suction pit daily is sufficient.

#### **HANDLING PRECAUTIONS**

CL2213 is shipped in 55 gallon plastic drums. For information regarding safety precautions in handling, health hazards, and exposure, please refer to the safety data sheet. In case of an emergency, please call 800-669-8023.