



# PROCOR CHEMICALS, INC.



## Technical Data Sheet PRO CL (Clay-Loxx)

### DESCRIPTION

**PRO CL** is a formation damage inhibitor. It is a replacement for Potassium Chloride in Drilling, Frac and Completion Fluids. Potassium Chloride (KCl) is typically used at a minimum three percent (3%) concentration, although it is common to use much higher concentrations depending on the clay content and the clay characteristics of the formation being treated. A three percent (3%) solution requires~ 1070 Lbs. of KCl per 100 bbls. of water (21.4 fifty pound. Bags or 19.4 twenty-five kilo Bags).

Because KCl is mined from mineral deposits, its' quality, purity, and consistency can vary widely with each lot purchased, The quality of **PRO CL (Clay-Loxx)** , however, does not vary, and only 5 Gals. of **PRO CL (Clay-Loxx)** per 100 bbls. of water drastically out performs a 3% KCl solution.

Replacing bagged KCl with **PRO CL (Clay-Loxx)** results in large savings in terms of freight and warehousing costs, inventory space, and mixing time and labor, as well as maintenance, costs savings on pumps and equipment caused by damage from the various granular contaminant materials often present in dry KCl.

In international markets, the savings are more dramatic, simplifying logistics while providing significant savings in transportation costs.

**PRO CL (Clay-Loxx)** can also be used with heavier brine solutions without causing precipitation of the salts while providing the necessary clay stabilization.

Replacing KCL with **PRO CL (Clay-Loxx)** yields obvious savings while giving far superior performance.

### TYPICAL PROPERTIES

<b>Appearance</b>	Light Amber Liquid
<b>Ionic Character</b>	Ionic/Anionic
<b>Specific Gravity</b>	1.01
<b>pH (1% Solution)</b>	12.5
<b>Flash Point</b>	None
<b>LC 50 Testing</b>	

### APPLICATIONS

5 gallons of easy-to-mix **PRO CL (Clay-Loxx)** per 100 bbls of water produces a working fluid that provides far superior inhibition compared to a 3% solution of KCL: 10 gallons of **PRO CL (Clay-Loxx)** per 100 bbls of water produces a working fluid with far superior inhibition compared to 6% KCL. For example:

For 3% KCL  
5/gal of PRO CL / CLAY-LOXX /100 bbls of water  
and 2% by volume in WBM system  
Outperforms 3% KCL

For 6% KCL  
10/gal of PRO CL / CLAY-LOXX /100 bbls of water  
and 2% by volume in WBM system  
Outperforms 6% KCL

**HANDLING** Observe warning labels on product containers. Normal precautions/ PPE for industrial chemicals apply.

### PACKAGING

**PRO CL** is packaged in 275/gal totes.