

## Buffer CL

## Buffering AGENT

### Description

BUFFER CL is a buffering agent that is used to raise the pH of fracturing fluids systems. A specific pH range of 9.5 – 11.5 can be easily attained and held using Buffer CL.

### Properties

Form: Liquid	Chemical Family: Inorganic
Color: Clear	Solubility: Water
Odor: Mild	Specific Gravity: 1.42

### Application

BUFFER CL application rates can range from 1.0 to 10.0 gal/M gal base fluid. Typical concentrations are 1.0 to 5.0 gals/M gal base fluid . The well conditions and the desired fluid properties in the fracture are the factors that will determine the appropriate concentrations of BUFFER CL to use.

### Compatibility

BUFFER CL is compatible with most stimulation fluid additives such as most cationic, anionic and nonionic surfactants, breakers, foamers and crosslinkers.

### Handling/Storage

BUFFER CL is basic material that can cause skin and respiratory irritation. Severe damage to the eyes may occur if concentrated quantities come in contact with the eyes. Wear protective gloves and eye protection. Flush exposed bodily areas with large quantities of water.

### Packaging

BUFFER CL is available in 55 gallon drums, 330 gallon totes gallon.