PRODUCT DATA SHEET

ECONO BUFFER-104
High Temperature Well Cleanup Additive

GENERAL INFORMATION: Econo Buffer-104 is a liquid buffer for application in well cleanup by dissolving the filter cake of guar and guar derivative based fracturing fluids. Econo Buffer-104 works by both deactivating the gel and cutting the polymer chain backbone over time, effectively destroying the filter cake laid down and greatly increasing the permeability of the formation. Econo Buffer-104 also can reduce the effect of “reheal” that occurs as a borate crosslinked fluid cools down. Econo Buffer-104 works best in high temperature wells.

PHYSICAL PROPERTIES:

- Appearance: Colorless to Light Yellow Liquid
- Specific gravity: 0.9930
- Solubility: Not Miscible in Water

RECOMMENDED USES AND LIMITATIONS:
Econo Buffer-104 load rates may vary according to the type of activation system being utilized, downhole temperature, and the desired system pH. As a general rule, a load rate of 2-5 Gallons of Econo Buffer-104 per 1,000 Gallons of fluid is recommended. Econo Buffer-104 works best at fluid temperatures above 210°F. Pilot testing is strongly recommended with the individual cross-linked gel system to provide the desired fluid performance and system pH.

STORAGE AND HANDLING: Econo Buffer-104 is available in 55 gallons drums, 264 & 317 Gallon poly totes and bulk

SHIPPING INFORMATION: DOT SHIPPING: NOT REGULATED

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