



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

This information is provided with the best of our knowledge and belief. It is user's responsibility to satisfy himself as to the suitability of such information for his own particular use. However, no representation, warranty or guarantee is made as to its accuracy, reliability. We do not accept liability for any loss or damage that may occur from the used of this information nor do we offer any warranty against any patent infringement.



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