

DESCRIPTION

EnCap-BR is an encapsulated oxidizing breaker. The breaker encapsulated in EnCap-BR is sodium bromate. This allows the break of the fracturing fluid to be delayed or increased breaker concentrations can be used. The delayed break will improve the proppant transport capabilities of the fracturing fluid. Higher breaker concentrations will improve the clean-up of the proppant pack enhancing fracture conductivity. The coating used to delay the release of sodium bromate allows controlled release rates at temperature up to 300°F.

ADVANTAGES

- Release of sodium bromate is controlled over time rather than initial complete dissolution allowing increased breaker concentrations without compromising proppant transport.
- The sodium bromate will concentrate in the fracture, rather than losing the sodium bromate to the formation during fluid leak-off.
- Increased conductivity of the created fracture by:
 - clean-up of proppant pack
 - breaking of filter cakes

APPLICATION

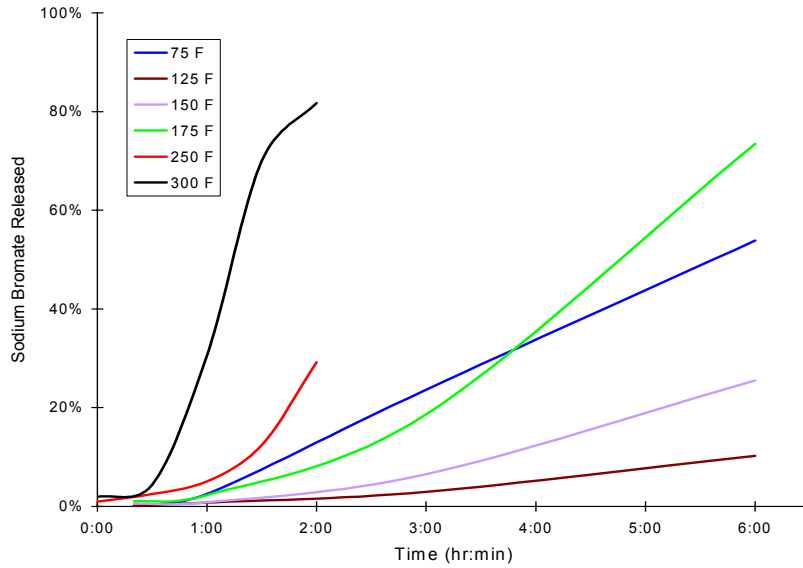
- Can be substituted into fracturing fluids using conventional sodium bromate as breaker.
- Concentration of sodium bromate added to the fluid can be increased without compromising the fluid during the treatment.

PROPERTIES

- White to Off-White Granules
- Activity – 60 to 65%
- Specific Gravity – 2.50
- Bulk Density – 59 to 68 lb./ft.³
- Faint Organic Odor
- Partially soluble in water
- Release profile at various temperatures see FIGURE 1

The information contained herein is based on data considered accurate with representative samples. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. The above data does not imply specifications for this product. Fritz Industries, Inc. assumes no responsibility for personal injury or property damage to vendees, users or third parties, caused by the material. Such vendees or users assume all risks associated with the use of the material. Consult the Material Safety Data Sheet before using this product.

FIGURE 1



The information contained herein is based on data considered accurate with representative samples. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. The above data does not imply specifications for this product. Fritz Industries, Inc. assumes no responsibility for personal injury or property damage to vendees, users or third parties, caused by the material. Such vendees or users assume all risks associated with the use of the material. Consult the Material Safety Data Sheet before using this product.