



PRODUCT DATA SHEET

ECONOCAP-BR

Delayed Release Oxidizer

DESCRIPTION

EconoCap-Br is an encapsulated oxidizing breaker containing sodium bromate. EconoCap-Br allows the break of the fracturing fluid to be delayed and also allows increased breaker concentrations to be used. The delayed break will improve the proppant transport capabilities of the fracturing fluid, and the higher breaker concentrations will improve the clean-up of the proppant pack enhancing fracture conductivity. The coating used to delay release of sodium bromate allows controlled release rates at temperatures up to and over 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

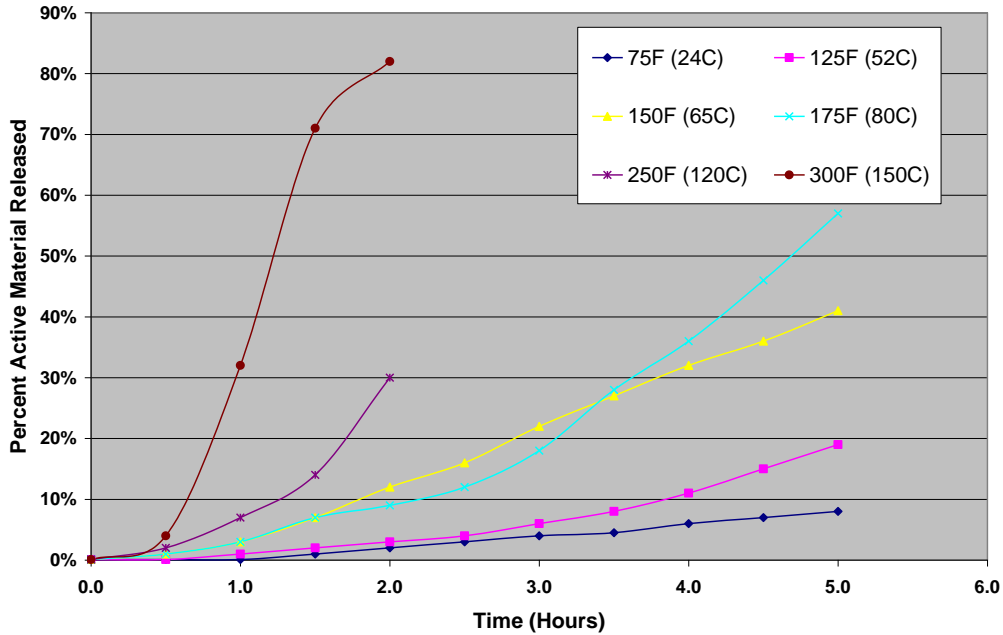
- White to Off-white granules
- Activity-60 to 65%
- Specific Gravity – 2.50
- Bulk Density – 73 lb/ft³
- Faint Organic Odor
- Partially soluble in water



P.O. Box 450246
Houston, TX 77245-0246
USA Toll free: (800) 231-2066
Phone: (713) 723-8416
Fax: (713) 723-1845
URL: www.EconomyPolymers.com
E-mail: economy@economypolymers.com

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FIGURE 1: Release Profile at Various Temperatures



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