



PRODUCT DATA SHEET

EconoCap-HP Delayed Release Oxidizer

DESCRIPTION

EconoCap-HP is an encapsulated oxidizing breaker used in hydraulic fracturing applications. EconoCap-HP slowly releases the active agent into the fracturing fluid. This allows the break of the fracturing fluid to be delayed or increased breaker concentrations can be used. Higher breaker concentrations will improve the clean-up of the proppant pack enhancing fracture conductivity. EconoCap-HP is designed for use in fluid temperatures of 140°F and above.

ADVANTAGES

- Increased break times can be obtained.
- Higher concentrations can be used without compromising fluid viscosity during proppant placement.
- Solid breaker which will concentrate in the proppant pack during fluid leak-off.
- Increase conductivity of the created fracture by:
 - clean-up of proppant pack
 - breaking of filter cakes from linear or activated fluids.

APPLICATION

EconoCap-HP can be directly substituted into fluids using oxidizing breakers for applications between 130-200°F (actual fluid temperatures). Break guar and derivatized guar based fracturing fluids such as:

- linear gel fluids
- activated gel fluids
- foams

Breaker will concentrate in fracture and break filtercakes from linear or activated fluids.

PROPERTIES

Off-White Granules

Specific Gravity — 1.72

Partially soluble in water

Packaged in 50-lb quantities in lined open top drums

Faint Organic Odor

Bulk Density — 56 to 64 lb/ft³

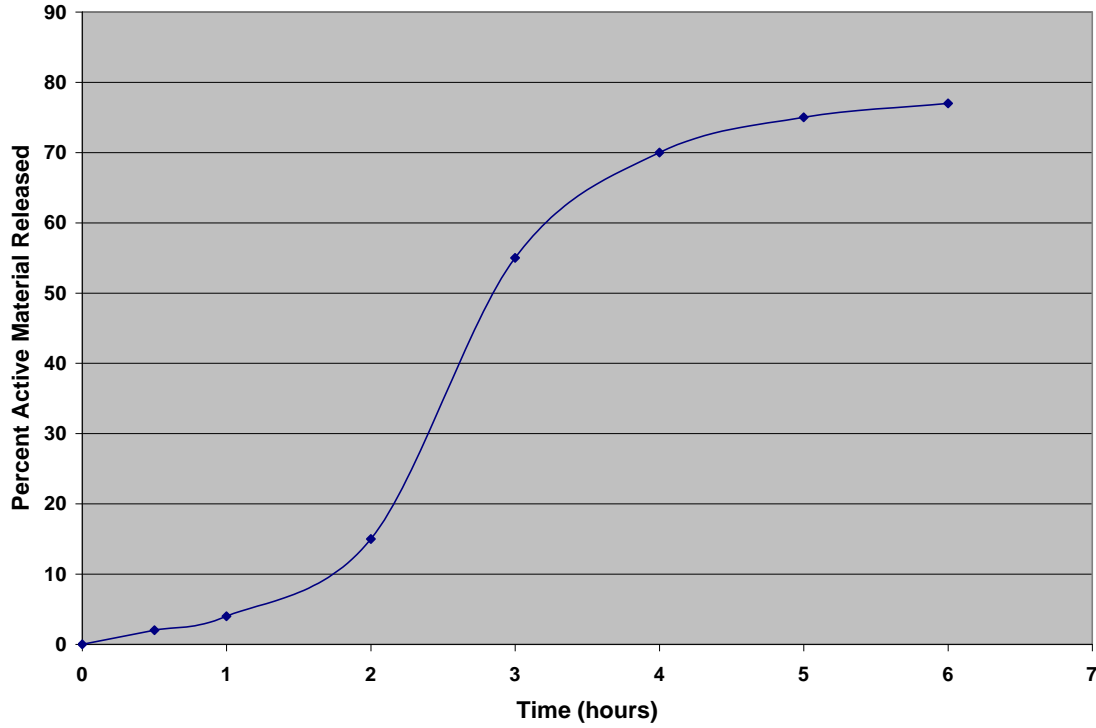


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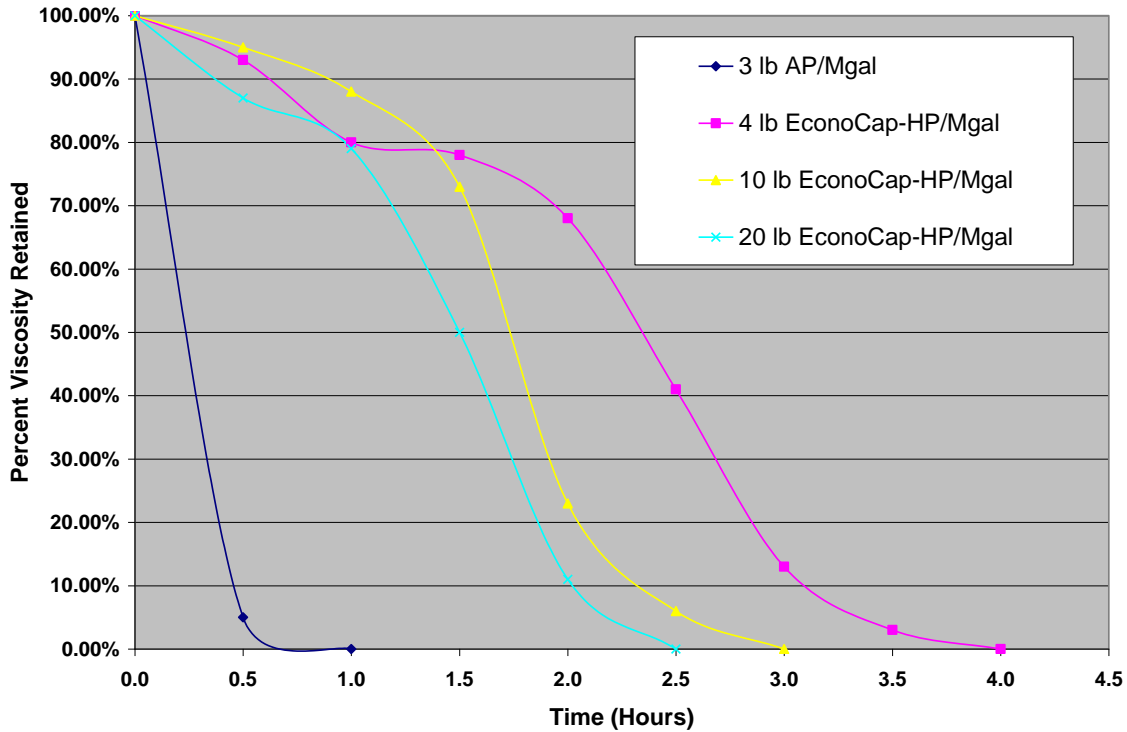
FIGURE 1: Release Profile at 150°F





ECONOCAP-HP

FIGURE 2: Viscosity Profiles at 150°F



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