

Gel-Breaker

Breakers are added to fracturing fluids to reduce the molecular weight of the various polymers used. This reduces the viscosity and facilitates the blowback of residual polymer which allows for cleanup of the proppant pack conductivity of the created fracture.

While encapsulation slowly releases over time/temperature, which allows for more efficient proppant transport and placement without premature viscosity degradation.



Select from our range of chemistry, temperature and instant/delayed breakers to optimize your gel performance:

Product	Activity	Chemistry	Temperature Range
SHI-031BR	Instant	Ammonium Persulfate	>150°F
SHI-032BR	Delayed	Encapsulated Ammonium Persulfate	>200°F
SHI-037BR	Instant	Sodium Bromate	>250°F
SHI-033BR	Delayed	Encapsulated Sodium Bromate	>300°F

ADVANTAGES

- Delayed and instant solid breakers will concentrate in the proppant pack during fluid leak-off
- Increase fracture conductivity with:
 - Clean-up of proppant pack
 - Breaking of filter cakes from linear or borate crosslinked fluids.
- High concentrations can be used without compromising fluid viscosity during proppant placement.



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