D-STROYER polymer-coated oxidizing breaker
Enhances cleanup efficiency of residual filtercake

Applications
- Polymer-based reservoir drilling and completion fluids
- Lost circulation pills used during completion or workover operations

How it improves wells
D-STROYER* polymer-coated oxidizing breaker is an internal filtercake breaker added at the surface to the selected system and is subsequently deposited as an inert particle in the filtercake. During completion cleanup, a mild acidic solution activates the D-STROYER breaker, resulting in a more thorough destruction of the filtercake. During activation, D-STROYER breaker is released slowly. It oxidizes polymers and other organic components (e.g. lubricants). This process enhances cleanup efficiency of the residual filtercake.

Treatment levels are normally 0.5 to 2 lbm/bbl [1.5–5.7 kg/m³] for reservoir drilling fluid applications and 3–4 lbm/bbl [8.6–11.4 kg/m³] for lost circulation pill applications. Bottomhole temperature can impact the required concentration and activation rate.

How it works
D-STROYER breaker can be used in biopolymer-based reservoir drilling fluids with a pH >9, especially FLOPRO NT* water-based reservoir drill-in fluid and DIPRO* high-density divalent reservoir drill-in fluid. It is most effective at temperatures <190 degF [<88 degC]. Applications for relatively elevated bottomhole temperatures (>190 degF [88 degC]) should be pilot tested.

Weak or organic acids such as D-SOLVER* brine-soluble chelating agent and naturally produced low pH fluids such as carbonic acid can activate the decomposition process. D-STROYER breaker aids in destroying xanthan and lubricant components in the filtercake.

Limitations
- Exposure of this dry material to the atmosphere reduces the activity level of the product.
- Do not add to fluids with a pH below neutral.
- Temperatures above 190 degF [88 degC] limit the allowable exposure time.

Toxicity and handling
Bioassay information is available upon request.

Handle as an industrial chemical, wearing protective equipment and observing precautions described in the safety datasheet.

Packaging and storage
D-STROYER breaker is available in 40-lbm [18.2 kg] drums.

Store in a dry, well-ventilated area. Keep container closed. Store away from incompatibles. Follow safe warehousing practices regarding palletizing, banding, shrink-wrapping, and stacking.

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<td>Physical appearance</td>
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<td>Specific gravity</td>
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All specifications are subject to change without notice.