

# 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/m<sup>3</sup>] for reservoir drilling fluid applications and 3–4 lbm/bbl [8.6–11.4 kg/m<sup>3</sup>] 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.

### Physical Properties

Physical appearance	Yellow-to-white powder
Specific gravity	2–2.3

All specifications are subject to change without notice.