



# TETRABreak HA

## ACID PRECURSOR

### Overview

TETRABreak HA is liquid organic acid precursor designed to degrade polymers and starches used in drill-in fluids.

### Features and Benefits

- External breaker of filter cakes deposited by brine base drill in fluids.
- Effective at temperature ranging from 70°F to 300°F.
- Compatible and can be used in fresh water, sea water and clear brine fluids
- Enhanced degradation of polymers and starches in the filtercake by combining with TETRAZyme S1
- Low environmental impact and high biodegradability

### Applicable Information

TETRABreak HA acid precursor is easily mixed in fresh water, sea water and clear brine fluids. The pH of the carrier fluid should be in the range of 6 - 8 prior to mixing with TETRABreak HA acid precursor.

### Physical Properties

Appearance	Clear liquid
Specific gravity	1.18 @ 70°F
Acidity	0.3% maximum
Water Solubility	Soluble

### Packaging Information

TETRABreak HA is supplied in 240 Kg steel drums  
TETRABreak HA is supplied in 1,000 Kg IBC tanks

### Recommended Treatment

The recommended concentration of TETRABreak HA acid precursor is in the range of 5% to 10% wt./vol. in the carrier fluid. The treatment concentration of TETRABreak HA is dependent upon the bottom hole temperature and time interval for degradation. Consult a TETRA representative to discuss specific applications.

### Safety and Handling

Avoid skin and eye contact, inhalation or ingestion. For skin contact, wash with soap and large quantities of water. For eye contact, flush with large quantities of water. Use properly designed respirator if adequate ventilation is not available. Refer to the Safety Data Sheet for specific details.

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