



HYBRID CHEMICAL  
TECHNOLOGIES

# HVFR BREAKER

## HVFRB-LT

HVFRB-LT is a cost effective oxidizing breaker designed to reduce viscosity of HVFR (High Viscosity Friction Reducer) and Slickwater systems during hydraulic fracturing treatments. The HVFRB-LT breaking mechanism relies on the oxidation of the carbon bonds in the polyacrylamide chain, chopping up the molecule into shorter segments.

## APPLICATION

HVFRB-LT can be used at loadings of 0.05 -0.1 kg/m<sup>3</sup> for Slickwater systems and HVFR treatments.

## PROPERTIES

<b>Appearance</b>	Solid white powder
<b>Odour</b>	Mild
<b>pH</b>	10
<b>Solubility</b>	Soluble in water
<b>Relative Density</b>	1.3

## HANDLING & STORAGE

Handle wearing appropriate PPE. Ensure adequate ventilation. Store out of direct sunlight. Refer to SDS for more information.

## OPERATIONAL BENEFITS

- It is a non-regulated product (WHMIS and TDG)
- It maintains optimal performance over a wide range of temperatures and TDS content.
- Effective at minimal loadings (0.05 kg/m<sup>3</sup>).
- Effective at ambient temperatures, without the addition of breaker accelerators.