AcroCide™ biocide is highly effective in controlling microorganisms in water used in frac jobs and production systems. It also helps maintain asset integrity and mitigates potential problems, such as microbiologically influenced corrosion (MIC), biomass accumulation, biogenic sulfide production, oil carryover, and polymer degradation.

The highly reactive biocide works quickly, completely and irreversibly, is water- and oil-soluble, non-corrosive and does not affect the system pH.

AcroCide biocide treats at much lower rates than other specialty chemicals, providing a cost-effective solution with less environmental impact due to its very short half-life. Although it requires special handling, AcroCide biocide degrades rapidly in water to become nontoxic 3-Hydroxypropenal, making it relatively easy to meet environmental requirements for offshore overboard water disposal and air permits.

AcroCide biocide is administered only by trained, Certified AcroCide Technical Specialists (CATS).

**Features**
- Highly effective in controlling micro-organisms in water used in frac jobs and production
- Water- and oil-soluble to penetrate and dissolve oil wet iron sulfide
- Low adverse environmental impact due to rapid degradation

**Benefits**
- Cost-effective solution treats at much lower concentrations than other options
- Protects formation from bacterial contamination and microbiologically induced corrosion
- Controls sour odors in frac pits and cleans up black water
- Helps control both sulfate reducing bacteria (SRB) and acid producing bacteria (APB) populations
Commitment to Safety
AcroCide biocide's primary ingredient, acrolein, is highly reactive and requires special handling and application expertise. Multi-Chem employees receive an annual comprehensive AcroCide biocide treatment awareness training, and our field personnel receive additional in-depth application training. Multi-Chem also provides training to customers to increase awareness of the proper application of AcroCide biocide in mitigating bacteria. In addition, all AcroCide biocide applications are subject to unannounced audits to assure strict adherence to health, safety and environmental (HSE) procedures.

Certified AcroCide Technical Specialist (CATS)
AcroCide biocide is handled only by certified Multi-Chem personnel. Select employees from each region are chosen to become CATS—candidates are highly technical and conscientious individuals with exemplary safety records. Once selected, CATS complete a comprehensive program of field and classroom training to obtain their AcroCide biocide certification.

AcroCide Biocide Tank
The patent pending AcroCide biocide tank design from Multi-Chem incorporates a satellite-based temperature monitoring system that detects polymerization or contamination of the product. In the event of a temperature excursion, the GPS transmitter immediately notifies key Multi-Chem response personnel. The AcroCide biocide tanks are built to meet extremely high quality standards.

- Protective cover and cage to protect valves and connections, minimizing risk of accidental contact
- Internal temperature probe linked to real-time tank tracking system
- Solar powered real-time GPS tracking device
- Lifting lug capacity 3X maximum gross weight
- Tank built to UN T22 specifications, including 10mm thick steel shell
- Integrated fork-lift pockets
- 24/7 emergency contact information

For more information, please contact your local sales representative or e-mail multichem@halliburton.com