

# LACTOIL<sup>®</sup>

## SOY MICROEMULSION

CONCENTRATED FORMULATION PROVIDES SAVINGS THROUGH INCREASED DISTRIBUTION, EXTENDED LONGEVITY, HIGH EFFICIENCY

LACTOIL<sup>®</sup> is a thermodynamically stable microemulsion designed to provide the subsurface distribution and remediation performance characteristics of a highly soluble substrate with the longevity of a vegetable oil.



Neat LACTOIL<sup>®</sup>



LACTOIL<sup>®</sup>/Water After 4 Weeks

### INCREASED SUBSURFACE DISTRIBUTION:

- Average particle size < 1 micron
- High emulsion stability allows for greater subsurface transport

### EXTENDED LONGEVITY:

- 98% fermentable emulsion
- Emulsion particles contain both readily soluble and slowly soluble material

### INCREASED DEGRADATION RATES:

- Provides sustained lactate for accelerated metabolism

### HIGHER EFFICIENCY:

- Increased contaminant degradation per unit of fermentable product injected as compared to standard EVO

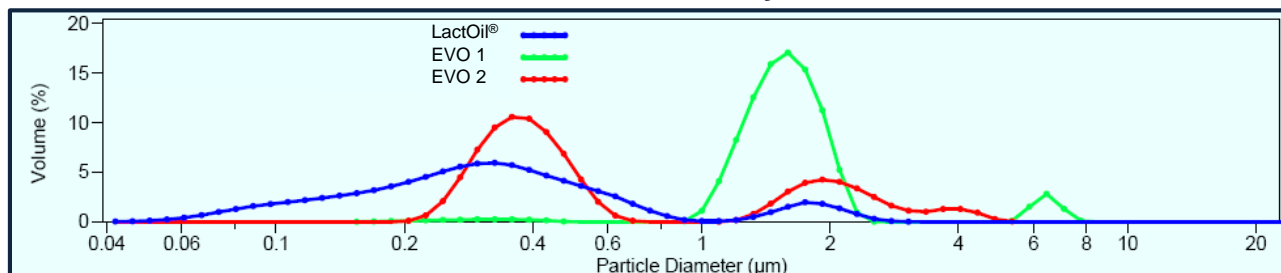
### CONTAMINANTS TREATED:

- Chlorinated solvents, nitrates, perchlorate, RDX, metals, trichloropropane, mine impacted water

### TREATMENT APPLICATIONS:

- Permanent wells, direct push, excavation backfill, bedrock

### Particle Size Analysis



Analysis conducted using 1:10 dilution on a Beckman Coulter Light Scattering Particle Size Analyzer



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