

# WILCLEAR PLUS<sup>®</sup>

## LACTATE w/ACCELERITE<sup>®</sup>

PROVEN ELECTRON DONOR EFFICIENCY AND RAPID DECHLORINATION KINETICS OF SODIUM LACTATE ENHANCED BY ACCELERITE<sup>®</sup> NUTRIENT BLEND

Wilclear Plus<sup>®</sup> lactate with Accelerite<sup>®</sup> is a proprietary blend of neutral pH fatty acids combined with Accelerite<sup>®</sup> nutrient blend for use in enhanced anaerobic reductive dechlorination. Wilclear Plus<sup>®</sup> contains 61% fermentable material providing a high fermentable fraction with minimum amount of water.

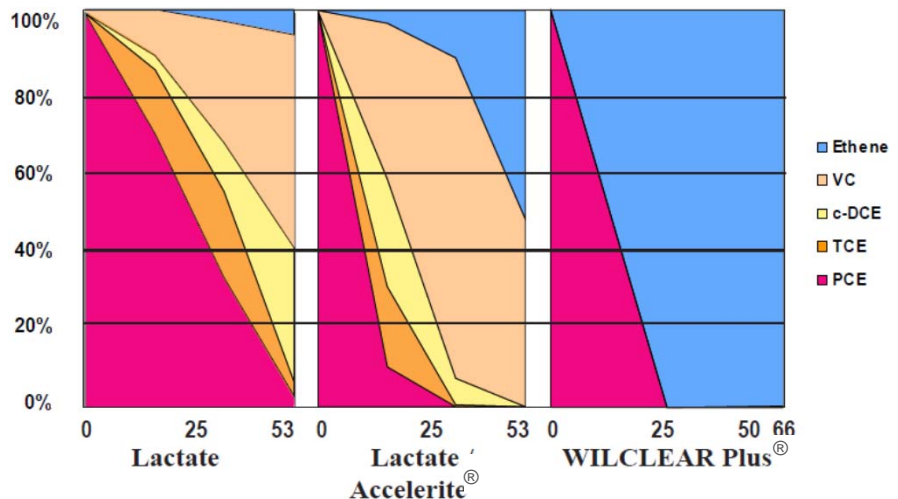
### BENEFITS OF WILCLEAR PLUS<sup>®</sup>

Lactate provides carbon for rapid establishment of anaerobic conditions.

- Volatile fatty acids and fermentables provide a range of material to help promote the growth of an assortment of dechlorinating microbial populations.
- Accelerite<sup>®</sup> provides growth factors to increase efficiency and kinetics.

### RAPID DECHLORINATION KINETICS

Microcosm studies comparing Wilclear Plus<sup>®</sup> to lactate and lactate plus Accelerite<sup>®</sup> showed that Wilclear Plus<sup>®</sup> demonstrated dechlorination kinetics faster than the other substrates. At 25 days, the Wilclear Plus<sup>®</sup> microcosm converted more than 99% of PCE to ethene.



### TYPICAL PROPERTIES

- Sodium lactate: 33-40%
- Sodium propionate: 0-8%
- Sodium acetate: 0-8%
- Sodium butyrate: 0-8%
- Total Sodium Carboxylates: 40-45%
- Carbohydrates/metabolites: 15-20%
- Water: 30-38%

- pH: 7 ±1.0
- Viscosity: < 500cP at 20°C
- Specific gravity: 1.2 - 1.3
- Soluble in water
- Color: light to dark brown



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