

WILCLEAR PLUS[®]

LACTATE w/ACCELERITE[®]

PROVEN ELECTRON DONOR EFFICIENCY AND RAPID DECHLORINATION KINETICS OF SODIUM LACTATE ENHANCED BY ACCELERITE[®] NUTRIENT BLEND

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

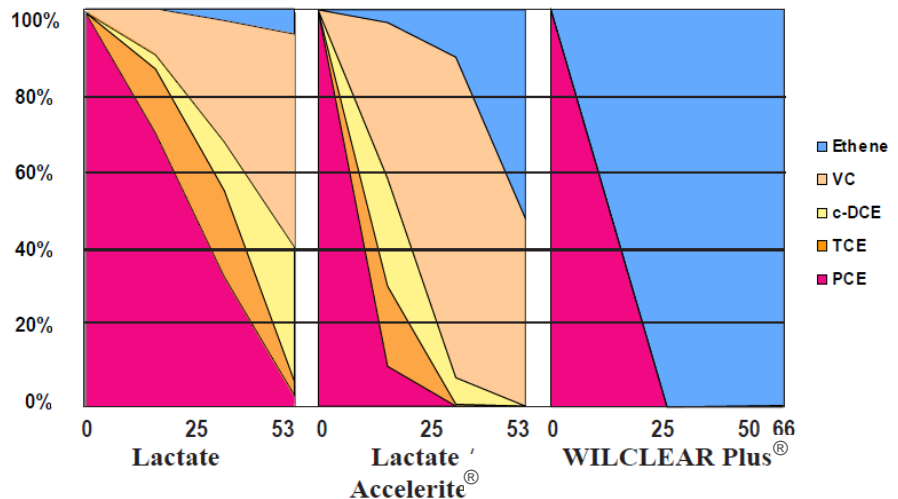
BENEFITS OF WILCLEAR PLUS[®]

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[®] provides growth factors to increase efficiency and kinetics.

RAPID DECHLORINATION KINETICS

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



TYPICAL PROPERTIES

- Sodium lactate (wt/wt): 29-35%
- Sodium propionate (wt/wt): 0-8%
- Sodium acetate (wt/wt): 0-8%
- Sodium butyrate (wt/wt): 0-8%
- Carbohydrates/metabolites (wt/wt): 21-25%
- pH: 7 ±1.0
- Viscosity: 500 - 1000cP at 20°C
- Specific gravity: 1.2 - 1.3
- Soluble in water
- Color: light to dark brown



JRW *BIOREMEDIATION* LLC

www.jrwbioremediation.com
(913)438-5544
info@jrwbiorem.com