

JRW BIOREMEDIATION_{LLC}



Description

JRW Bioremediation's WILCLEAR[®] lactate concentrates for bioremediation (C₃H₅O₃Na or C₃H₅O₃K) are clear, slightly viscous, miscible liquids designed as inexpensive, self-buffering carbon sources for the promotion of reductive dechlorination. WILCLEAR[®] lactate concentrate is an FDA affirmed GRAS food grade sodium or potassium salt of fermented lactic acid. WILCLEAR[®] can also be amended with ACCELERITE[™] bioremediation nutrient to increase metabolic kinetics and overall efficiency.

Typical Properties

	<u>Sodium Lactate</u>	<u>Potassium Lactate</u>
WILCLEAR [®] Lactate, % wt/wt	60 ± 1.2	60 ± 1.2
Assay sodium, % wt/wt	12.3 ± 0.3	-
Assay potassium, % wt/wt	-	18.2 ± 0.4
H ₂ O, % wt/wt	40 ± 1.2	40 ± 1.2
pH	7.5 ± 1.0	7.5 ± 1.0
Color	Clear to Light Straw	Clear to Light Straw
Iron, ppm	<5	<5
Specific Gravity	1.32-1.34	1.32-1.35
Sulfate	none detected	none detected
Sugars	none detected	none detected
Odor	slight, characteristic	slight, characteristic
Viscosity	± 100cP at Ambient	± 100cP at Ambient

Applications

WILCLEAR[®] lactate concentrate is used to enhance in-situ microbial activity for the biodegradation of chlorinated solvents and perchlorates, and the reduction and mineralization of certain metals. Technical support for bioremediation applications is provided by JRW staff and through an exclusive agreement with SRP Technologies, developers of Bioavailability Enhancement Technology (B.E.T.[™]), US Patent 6,783,678 published February 21, 2002, issued August 31, 2004, and US Patent 7,449,114 published May 26, 2005, issued November 11, 2008.

Packaging

606 lb. (275 kg) Polyethylene Drums or 2,899 lb. (1,315 kg) IBC totes.

Storage

Store unopened under dry conditions at ambient temperatures.

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