Sodium Ascorbate

The anaerobic bioremediation process uses native or introduced microorganisms (*Dehalococcoides*) to degrade chlorinated solvents such as tetrachloroethene (PCE) and trichloroethene (TCE) to innocuous end products including ethene and ethane. Sodium ascorbate or the sodium salt of Vitamin C is used to create anaerobic conditions for the TSI-DC bioaugmentation culture. At loadings of 0.3 to 0.5 g/L of sodium ascorbate, it removed the dissolved oxygen within four hours and reduced the ORP to below -50 mV. This compound is biocompatible and has a neutral pH.

Key Communication Points

- Sodium ascorbate is a soluble, food grade compound used to generate anaerobic water for dilution of the TSI-DC bioaugmentation culture.
- Biocompatible and has a neutral pH

Table I: Sodium Ascorbate Specifications

Ingredient	Percent	Description	Benefit
Sodium Ascorbate	>98.5	Sodium Ascorbate or sodium salt of Vitamin C	Generates anaerobic conditions and removes chlorine from tap water

Application: Terra Systems **Sodium Ascorbate** is used to generate anaerobic water for the introduction of the TSI-DC bioaugmentation culture.

Packaging: Terra Systems Sodium Ascorbate is shipped in 55-pound boxes or in smaller quantities.

130 Hickman Road – Suite 1 – Claymont – Delaware – 19703
For More Information Call Michael Free at 302-798-9553 or Email: mfree@terrasystems.net