

Dakin's Solution

Dakin's solution is a dilute hypochlorite (bleach) solution that shows effectiveness against Gram-positive bacteria such as strep and staph, as well as a broad spectrum of anaerobic organisms and fungi. It kills the microorganisms, but also harms healthy cells in all concentrations. Considering this cytotoxicity, use on infected wounds only, and no longer than 14 days.

At full strength (1:10 dilution of 5% household bleach: water it is an antiseptic) often used for environmental antisepsis, and for universal precautions for blood spills.

You'll typically use Dakin's at $\frac{1}{4}$ strength, which is 0.125% (full strength is .50%). It can be sprayed on the wound, poured as a wound irrigant, or used in a wet compress. Apply to the wound twice per day (BID) for best results.