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FerSol, the new three-in-one water treatment chemical

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In many wastewater and process-water systems water chemicals are used to control the water quality. Typically a mix of pH control chemicals, herbicides, inhibitors, coagulants and oxidizing agents are used. A newly developed chemical called FerSol, which contains Ferrate (VI), combines several functions as it acts as oxidizing agent, coagulant and, as a side effect, it eliminates certain bacteria, fungi and viruses. These properties of Ferrate were known; the only problem was that the chemical was unstable and would break down in minutes. Ferr-Tech, the company behind Fersol, has solved the stability problem of the Ferrate (VI) and now this product is available for the market.

The benefits are clear; the product is environmentally- and human friendly, the residue of the chemical is $\text{Fe}(\text{OH})_3$, a harmless coagulant, and, due to its very strong oxidizing capacities, (stronger than ozone) it also eliminates biological growth.

Danieli Corus and FerrTech joint forces to introduce this product into the Iron- and Steel Industry (waste) water processing. In this paper the use and benefits of FerSol in the Iron- and Steel Industry is provided.

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