

Insolmet®

Patented Metals Removal Technology For
Water Conservation and Recycle



Insolmet®, SWT's Insoluble Sulfide Technology represents the biggest step forward in wastewater treatment technology in decades. The patented Insolmet® Process delivers the metals reduction and precipitation properties of iron sulfides while remaining insoluble and out of the effluent enabling 50 to 90% water recycle. Insolmet® products combine micro- and nano- dispersed iron sulfide slurries with other proprietary ingredients to create products which are able to reduce and react with metals while remaining in a solid phase. See our Insolmet Power Point discussion for more information.

Insolmet® is effective at treating chelated heavy metals including copper, zinc, zinc phosphate, cadmium, silver, nickel, molybdenum, electroless nickel, zinc nickel, and electroless copper. In addition, the Insolmet® products are the most effective hexavalent chrome treatment on the market.

ISS-804

The least concentrated, and therefore most fluid of the Insolmet® product line, ISS-804 provides the ease of use of traditional treatment options combined with excellent results and enhanced worker safety. ISS-804 also functions very well as a stand-alone coagulant when the last 5-15ppm of metals is proving difficult to remove by other methods.

ISS-833

The newest treatment option in the Insolmet® line has quickly become our most popular. It is an ideal product for medium and large volume users who want the safety and handling benefits of Insolmet®. The use of this product will reduce or eliminate the need for an additional coagulant. ISS-833 contains a proprietary ingredient which aids in waste streams with a high organics

ISS-850

ISS-850 includes an additional coagulant in the slurry, which makes it suitable as a "single-drum" treatment program. This is an ideal treatment option for low volume customers who want to minimize the handling and storage issues associated with a traditional treatment program.

In processes where primary metals removal is via hydroxide precipitation, cleaners, degreasers and other organic plating additives can cause difficulties in removing the last 5 – 15ppm of metals. The addition of an Insolmet® solids recycle loop will polish any chelated or dispersed metals enabling total compliance. Think of it as a coagulant that precipitates heavy metals.

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