

## *WT-300 Coagulant- Technical Bulletin*

### **DESCRIPTION:**

WT300 is a proprietary coagulant used in combination with WT-430 for batch treatment of spent aqueous and semi-aqueous resist stripper. It effectively “detackifies” resist particles in the solution which can then be coagulated with WT430. The treated solution can be sent to a filterpress without concern for “blinding” the press. The combination of WT300 and WT430 are *not* intended for metals removal

### **APPLICATIONS:**

1. Add 2-3% of WT300 for fully aqueous resist. Add around 6% for semi-aqueous resist.
2. Add 2-3% of WT430 for fully aqueous resist. Add around 6% for semi-aqueous resist.
3. pH adjust with Sulfuric Acid to a pH of approximately 7. Dilute Sulfuric Acid (not more than 50% v/v) works better in minimizing the clumping of the photoresist.
4. Precipitate metals by adding approximately 0.5% v/v of a metal precipitant and mixing for 15 minutes.
5. Add approximately 0.1% v/v of an anionic polymer, to achieve desired flocculation.
6. Send to the filter press.

### **OPERATING PARAMETERS:**

Mixing Speed:	Medium
Contact Time	10 minutes after each addition and pH adjustment
Ventilation	Advised
PH Range:	6.5 to 7.5 for final pH

### **PHYSICAL PROPERTIES:**

Specific gravity	1.35
Appearance	Clear murky white liquid
pH	Neutral
Odor	None
Flash Point	>200F

### **SAFETY AND STORAGE:**

Avoid open flames and acids. Do not store in direct sunlight, high temperature or below freezing.

### **MISCELLANEOUS**

Packaging comes in 5-gallon pails and 55-gallon drums. Consult MSDS sheet for additional information.

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