

WT-675 Precipitant - Technical Bulletin

DESCRIPTION:

WT675 is a proprietary precipitant for chelated or complexed heavy metals. Containing Thio-Red, a patented reacted sulfide precipitant, and organic and inorganic coagulants, it effectively treats mixed contaminant wastestreams, providing for excellent coagulation and solid/liquid separation while achieving metals removal to below the parts-per-million range. WT675 does not contain any form of DTC.

APPLICATIONS:

Batch treatment, flow-through precipitation, or micro-filtration applications. Performance for micro-filtration applications may be optimized with an additional cationic coagulant. Able to reduce hexavalent chrome to trivalent chrome for precipitation at neutral pH.

OPERATING PARAMETERS:

Contact Time	15 minutes (longer time requirement for hexavalent chrome reduction)
Ventilation	Advised
PH Range:	6.0 to 11.0
ORP Set Point:	-100 to -150 mV (-300 mV for hexavalent chrome reduction)
Dosage:	3-4 parts per part of most metal ions (20 parts for chrome reduction)
Mixing	Medium-speed

PHYSICAL PROPERTIES:

Appearance	Dark orange liquid
pH	<12
Odor	Slight sulfur odor

SAFETY AND STORAGE:

WT675 is alkaline and should be handled with care. Avoid open flames and concentrated acids (generates Sulfur gas). 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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