

WT-140 Precipitant - Technical Bulletin

DESCRIPTION:

WT-140 is a heavy-metal precipitant ideally suited for treatment of a nickel-bearing waste, especially if heavily chelated. It contains sodium dimethyldithiocarbamate at a 40% concentration. It is not effective for metal reduction purposes and does not work well in treatment of lead or chromium.

APPLICATIONS:

Batch treatment of wastestreams containing chelated nickel where residual nickel at less than 3 ppm is required. Is not ideally suited for flow-through or micro-filtration application without use of additional coagulants. Not for use in municipalities where residual N-DMA is of concern.

OPERATING PARAMETERS:

Contact Time	10 minutes
Ventilation	Advised
PH Range:	4.0 to 11.0
ORP Set Point:	-50 mV approximately
Dosage:	10-12 parts per part of most metal ions
Mixing	Medium-speed

PHYSICAL PROPERTIES:

Appearance	Dark orange liquid
pH	<12
Odor	Slight amine odor

SAFETY AND STORAGE:

WT-140 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 55-gallon drums or 5-gallon pails. Consult MSDS sheet for additional information.

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