

Metal-Rec

Heavy Metal Precipitants



The Metal-Rec line of precipitants are formulated to remove heavy metals from the effluents of plating baths, etching solutions, and rinses containing soluble metals. They can reduce the concentration of the following metals to acceptable levels from most waste streams:

Cadmium (Cd)
Cobalt (Co)
Copper (Cu)
Chromium (Cr)

Mercury (Hg)
Iron (Fe)
Lead (Pb)
Manganese (Mn)

Platinum (Pt)
Nickel (Ni)
Silver (Ag)
Zinc (Zn)

Vanadium (V)
Thallium (Tl)
Palladium (Pd)
Molybdenum (Mo)

MR-40

Metal-Rec 40 is a sodium dimethyldithiocarbamate-based formulation that is designed to provide low-cost treatment of circuit board wastewater and other heavily chelated metal waste streams. Additional coagulant generally required when using this product.

MR-500c

Metal-Rec 500c is a calcium dimethyldithiocarbamate-based formulation that has the same metal precipitating power as the sodium DTC, MR-40, but also has the added benefit of the calcium for coagulation. The DTC goes after the metal leaving the calcium ion free to coagulate. The use of this product can eliminate or greatly reduce the need for an additional coagulant.

MR-1000

A blend of sulfide and organo-sulfide precipitants and organic and inorganic coagulants. Metal-Rec 1000 is a proprietary blend designed for use with direct filtration systems such as micro-filtration equipment. This product allows longer filter runs and higher throughput rates than competitive treatments. It also results in reduced filter cleaning frequency, reducing labor and extending filter life. Works great in other systems as well where a 1 drum precipitant / coagulant solution is required.

MR-3500

Metal-Rec 3500 is a blend of sodium hydrosulfide and proprietary coagulating and weighting agents designed to provide a low-cost precipitation solution where additional solids are required for proper coagulation, flocculation, and solids-liquid separation.

MR-3630

Metal-Rec 3630 is one of the strongest Sodium Hydrosulfide based precipitants on the market. Coagulant product usually required when using this product.

MR-3650

Provides the same precipitating strength as the MR-3630 with an additional inorganic coagulant to aide in water clarity. This product can eliminate or greatly reduce the need for an additional coagulant.

These are the most popular of our Metal-Rec line, but are only few of more than one dozen different Metal-Rec treatment chemistries we manufacture. As with our other product lines, custom blends are available if our standard products do not meet all your needs.

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