

Water Technologies & Solutions fact sheet

MetClear* MR2410

- Precipitates metals over a wide pH range
- Effective for various metals, including cadmium, chromium, copper, lead, mercury, nickel, silver, and zinc
- Product can be used during the normal treatment process or as a polishing agent for wastewater treatment
- Enables wastewater recycling for plant processes if desired
- Completely water soluble.

description and use

MetClear MR2410 is a liquid precipitating agent for metals. It is effective in precipitating metal ions to low concentrations in wastewater. Typical application of this product is as a polishing step following conventional metal precipitation processes, such as hydroxide precipitation. It also should be considered as an alternative to conventional techniques for precipitation of much higher levels of metal ions.

treatment and feeding requirements

MetClear MR2410 can be added during the normal treatment process. It is miscible with water in all dilutions; therefore, it may be diluted to any ratio desired to meet the chemical feed pump capacity. Dilution water should have a pH near neutral. The product can be applied neat to an area of high turbulence, such as the suction side of a pump.

In practice, after the addition of MetClear to a batch solution or continuous stream, the treated water should be agitated to allow for reaction before the metal precipitate settles.

High-density cross-linked polyethylene (HDCLPE), polypropylene, or stainless steel (304 or 316) may be used for tank construction. Materials recommended for tubing and fittings are rigid PVC, stainless steel, HDCLPE, polypropylene, Viton, Buna N, and Tygon. (Viton is a registered trademark of DuPont Dow Elastomers. Tygon is a registered trademark of the Norton Company.) Avoid the use of low carbon steel, brass, zinc, and other metals in piping and storage tank construction.

general properties

Physical properties of MetClear MR2410 are shown on the Material Safety Data Sheet, a copy of which is available on request.

packaging information

MetClear MR2410 is a liquid product, available in a variety of containers and delivery methods.

safety precautions

A Material Safety Data Sheet containing detailed information about this product is available on request.



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