

Water Technologies & Solutions fact sheet

MetClear* MR2404

metals precipitating agent

- Completely water soluble
- Precipitates metals over a wide pH range
- Enables wastewater recycling for plant processes
- Can be applied during normal treatment process or as a polishing agent for wastewater treatment
- Effective for various metals, including cadmium, chromium, copper, lead, mercury, nickel, silver, selenium, and zinc

description and use

MetClear MR2404 is a liquid precipitating agent for metals. It is effective in precipitating metal ions to low concentrations in wastewater. A typical application for this product is as a polishing step following conventional metal precipitation processes, such as hydroxide precipitation. It can be considered as an alternative to conventional techniques for precipitation of higher levels of metal ions.

treatment and feeding requirements

MetClear MR2404 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 chemical feed pump capacity. Dilution water should be good quality with 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.

Polypropylene, stainless steel (304 or 316), or high density cross-linked polyethylene (HDCLPE) may be used for tank storage. 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 Norton Co.) Avoid the use of low carbon steel, brass, zinc, and other metals in piping and storage tank construction.

general properties

Physical properties of MetClear MR2404 are listed on the Material Safety Data Sheet, a copy of which is available on request.

packaging information

MetClear MR2404 is a liquid product, available in a variety of containers. Consult your SUEZ representative for packaging options.

storage and handling

MetClear MR2404 should be stored in a cool, dry environment. Keep container closed when not in use. Protect from freezing. If frozen, thaw and mix thoroughly prior to use.

safety precautions

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