

MetClear* MR2431

heavy metal precipitant

- Directly precipitates copper
- Can be applied during normal treatment process or as a polishing agent for wastewater treatment
- Effective coagulant properties promoting maximum water clarity
- Forms a compact, low volume sludge
- Applicable over wide pH range

description and use

MetClear MR2431 is a unique metals removal product with coagulant properties. It is designed to function in a total SUEZ treatment program as a metals precipitant with characteristic coagulation performance for removal of soluble metals and colloidal suspended solids from industrial wastewater. Due to a high affinity to copper, precipitation of both soluble and insoluble copper can be expected.

MetClear MR2431 is designed to also effectively destabilize oil-in-water emulsions for treatment in either gravity or air flotation units when both emulsified oils and metals require removal. It functions over a wider pH range compared to inorganic coagulants, thus reducing the need for pH adjustment.

This product produces excellent water quality in clarification systems which is often critical to optimized metals removal efficiency. When used in a wastewater treatment system, it can eliminate or reduce the need for inorganic coagulants

Jar testing to determine treatment efficacy is recommended for all applications.

treatment and feeding requirements

MetClear MR2431 is miscible with water in all dilutions and may be diluted with good quality water to any ratio to meet the chemical feed pump capacity. For optimal product distribution, it should be diluted to 10% or less

Water Technologies & Solutions fact sheet

with clean water. The product may also be applied neat (undiluted) to an area of high turbulence. For best results, MetClear MR2431 should be applied at a point where vigorous agitation is ensured, such as the suction side of a water/wastewater pump.

Avoid using unlined mild steel and aluminum in selecting tanks and piping, and for wetted surfaces of pumps to feed the product. Corrosion-resistant materials of construction, such as Incoloy, Hastelloy, polyethylene, HDCLPE, and PVC, are recommended. Consult your SUEZ representative for more information in the selection of tanks, piping, and fittings.

general properties

Physical properties of MetClear MR2431 are shown on the Material Safety Data Sheet, a copy of which is available on request.

packaging information

MetClear MR2431 is a liquid product, available in a variety of containers. Consult your SUEZ representative for delivery and packaging options.

storage and handling

MetClear MR2431 should be stored at moderate temperatures of 40 to 80°F (4 to 26.7°C). Avoid temperatures higher than 80°F (26.7°C) and protect from freezing. If frozen, thaw and mix thoroughly prior to use.

For bulk tank storage, a periodic tank clean-out frequency of every 4 to 6 months is highly recommended to eliminate accumulated aged material that could promote product gelling.

safety precautions

A Material Safety Data Sheet with detailed information about this product is available upon request.