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CM-C MODIFIER

CM-C MODIFIER, an inorganic based liquid reagent, changes selected characteristics of process wastewaters to enable successful treatment of such waters.

APPLICATIONS:

Among the applications for using CM-C are the following:

1. As a modifier in chelated and complexed heavy metal waste streams, CM-C substitutes for the heavy metal in the chelate ring and allows subsequent precipitation of the heavy metal.
2. As a deactivator of sequestering agents and phosphates in spent concentrated cleaners.
3. As a co-precipitant in hydroxide precipitation of zinc to help reduce zinc levels and provide a more stable metal hydroxide.
4. As an aid in the clarification and dewatering operations of the treatment process.

DOSING CRITERIA:

The following information is a guide for using CM-C in the stated pretreatment applications. Because of the many variables in process wastewaters that can effect the treatment process, we recommend a series of bench-scale jar tests be performed to evaluate the most effective procedures and dosages. Free sample of CM-C are available for testing and evaluation.

Zinc Hydroxide Co-precipitant - Add to solution at the rate of two gallons per 500 gallons wastewater and mix well. Adjust the pH to exactly 8.0 and add your regular precipitant/polymer/flocculant.

Waste phosphate solutions - collect in a separate holding tank. Adjust pH to 6.0 - 8.0 with acid or caustic. Add CM-C slowly with mild air or mechanical agitation. Mix for one hour. Meter into waste stream ahead of clarifier at an approximate rate of 1 to 25.

Alkaline Zinc Solutions - adjust pH to 9.0 - 9.5 with acid. Add CM-C with slow agitation at rate of 1 gallon per 1,000 gallons waste. Mix for one hour. Stop mixing and pump into main waste water treatment stream. May also be dosed to treatment system prior to the pH adjustment operation.

See Material Safety Data Sheet for further information.