

WST

PRODUCT INFORMATION

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CM-M MODIFIER CHELATE MODIFIER - DEMULSIFIER - SURFACTANT NEUTRALIZER

CM-M MODIFIER, a pro-environmental liquid reagent, changes selected characteristics of process wastewaters to enable successful treatment of such waters.

APPLICATIONS:

Among the applications for CM-M are the following:

1. As a modifier for chelated and complexed heavy metal waste streams, CM-M substitutes for the heavy metal in the complex and facilitates the precipitation operation.
2. As a demulsifier of aqueous-based coolants and cutting oils, CM-M substitutes for the oil in the complex and facilitates the separation of the oil.
3. As a neutralizer of the dispersing characteristics of surfactants in spent cleaner baths, CM-M assists in the coagulation and flocculation of the heavy metals.

DOSING CRITERIA:

The following information is a guide for using CM-M for the stated 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 samples of CM-M are available for testing and evaluation.

For MODIFYING Chelated Heavy Metal Waste Streams use the following formula:

$$\text{(PPM Chelated Metal Ions) X (Gallons to be treated) X (0.08) =}$$

Milliliters of CM-M required, $\pm 10\%$.

For DEMULSIFYING Coolants/Cutting Oils:

Add 2 gallons of CM-M to each 50 gallons of emulsified oils. Mix vigorously for one hour. Continue mixing and heat the solution to the boiling point - turn off heat and mixer and allow solution to cool. During the cooling process, the oil will float to the surface. If heating is not available - then allow 8 hours for separation.

For NEUTRALIZING Surfactants in Spent Cleaner Baths.

Add at the rate of one(1) gallon CM-M to one hundred(100) gallons of spent cleaner. Mix well for one hour. When metals removal is required, meter to wastewater treatment system at the rate of one (1) gallon treated spent bath per 100 gallon flow rate.

See the Material Safety Data Sheet for further information.