

CAIROX®-CR  
Extruded Potassium Permanganate

Fact Sheet

CAIROX®-CR extruded potassium permanganate is a new form of controlled release permanganate. Classified as an oxidizing solid, this product is specifically formulated for applications at municipal and industrial wastewater sites where the use of feed equipment may not be practical. It is used primarily for the control of odors and corrosion associated with hydrogen sulfide. Additional uses of the CAIROX®-CR product have been identified including applications in acid mine drainage and other industrial settings.

CAIROX®-CR extruded potassium permanganate is applied through a specially designed polyester mesh bag (available through Carus Chemical Company). The bag is filled with the CAIROX®-CR extrusions and then lowered into the waste stream. The amount of product fed into the system is increased by lowering more of the bag into the wastewater. As original material dissolves, the amount of product consumed can be measured by loss in weight and additional product can be added to the bag.

Benefits

- Effective for hydrogen sulfide, mercaptans, and other odor compounds
- Prevents sulfide-based corrosion
- Treats locations that lack adequate utilities
- Simple to feed, no pumps or mechanical equipment needed
- Long lasting, requires less manpower
- Eliminates health risks associated with hydrogen sulfide exposure



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