



WALLA WALLA ENVIRONMENTAL, INC.

CAT-90™

Coagulant

Discover the benefits of our entire family of products for process water treatment:

- CAT-30
- CAT-34
- CAT-90
- FLOC-600
- FLOC-720
- Stat-125
- pH Adjust and Chemical Sludge Conditioner
- Metal Precipitant
- DE
- Clean-In-Place I Cleaner
- Clean-In-Place II Filter Cleaner
- Biocides
- Cleaners
- Specialty Products

Product description: W2E CAT-90 is a highly concentrated solution of cationic polymer and polyaluminum hydroxychloride.

The highly polymerized aluminum species in W2E CAT-90 have much higher cationic charges than the aluminum in standard salts such as alum or aluminum chloride, and even other polyaluminum products. Therefore, W2E CAT-90 can offer both a higher level of performance and lower overall dosages. W2E CAT-90 also effectively coagulates over a broader pH range (as high as 9.5) versus traditional metal salts and lower basicity PACI.

Benefits and applications: W2E CAT-90 is generally employed as the primary coagulant in industrial water treatment plants, replacing the need for other coagulants such as alum, and in many cases also eliminating or at least greatly reducing the need for pH adjustment chemicals, coagulant aids and filter aids. W2E CAT-90 is often employed in an environment where the pH of the receiving stream is higher than 7.5.

Benefits

- Improved turbidity removal
- Improved color removal
- Increased TOC (Total Organic Carbon) removal
- Lower filter turbidities
- Increased filter run length
- Sludge reduction of over 50%
- Simplified operations by eliminating pH and secondary polyelectrolyte feed
- Lower overall treatment costs

Technical data continued on next page

ENVIRONMENTAL, INC.
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TOLL FREE CUSTOMER SERVICE
800-247-9011

CAT-90
Technical data,
continued

Applications

- TSS (Total Suspended Solids) removal
- Metals removal
- Phosphate removal
- COD (Chemical Oxygen Demand) reduction in industrial wastewater treatment
- BOD (Biological Oxygen Demand) and TOC (Total Organic Carbon) removal in process water treatment

Safety: W2E CAT-90 is a corrosive mineral acid that has the following ratings:

NFPA / HMIS : Health 2; Flammability 0; Reactivity 0

Protective Equipment: Goggles, Long Sleeves, Gloves

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