



PMC WATER SYSTEMS SERVICES INC.

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C-2026

PROCESS WATER CORROSION INHIBITOR

APPLICATION:

PMC's C-2026 is a concentrated liquid blend corrosion inhibitor for Process water systems. C-2026 offers the performance of Hydroxy Acetic Acid Phosphonate. C-2026 will provide effective corrosion protection for Steel. C-2026 also sequesters / ties up existing metal oxides and thus prevents their deposition on metal surfaces where they might accelerate localized pitting.

BENEFITS:

- HPA forms an inhibitive film involving its trianionic ion and calcium.
- Calcium facilitates transport and adsorption of HPA by the formation of a solution complex of neutral charge.
- The film formed by HPA and calcium inhibits the cathodic oxygen reduction reaction on mild steel.
- The film is self-limiting as the driving force for film growth is high pH due to oxygen reduction.
- The film formed is around 20-80 nm thick - enough to offer excellent protection without interfering with heat transfer.
- Excellent corrosion protection for ferrous metals
- Easy to monitor and control.

FEEDING AND CONTROL:

PMC C-2026 should be fed as required by means of a pot feeder or chemical pump. Product is acidic and will require PH adjustment of the system water to be effective. PH should be controlled in the 7.5 -8.5 range for effective protection.

PMC C-2026 should be added to the system to maintain a concentration of 50 – 200 ppm

PRECAUTIONS:

Study Material Safety Data Sheet.

PACKAGING:

Plastic pails	25 KG
Poly drums	230 KG