

# New Economical Environmentally Safe Corrosion Inhibitor For Multiple Applications!



VpCI®-649 BD is a unique, concentrated liquid formulation that protects ferrous and non-ferrous metals from corrosive solutions. In addition, this product is designed to provide long-term protection in fresh water, steam and glycol closed loop systems. VpCI®-649 BD also includes preservatives against biogrowth. It is effective as a replacement for nitrite / chromate-based formulations. The product combines contact and volatile corrosion inhibitors along with anti-scalants in a non-toxic formulation.

This readily water-soluble liquid for easy application helps solve the problem of disposal, particularly for large quantities of water. It is effective for a broad range of multimetal applications to stop aggressive corrosion in systems containing fresh

water, glycol coolants, etc. The product is very cost convenient since low concentration effectiveness provides economical treatment. Being environmentally safe VpCI®-649 BD does not contain nitrites, phosphates, chromates or heavy metals.

VpCI®-649 BD contains molybdate tracer (for product without molybdate order VpCI-649 BD MF). The product contains an acrylic polymer to prevent scale formation.

## TYPICAL APPLICATIONS

- Inhibitor for Close loop cooling systems
- Fire extinguishing systems
- Inhibitor for hydrostatic testing of pipelines, casings, tanks and valves
- Inhibitor for packer fluid applications

- Prevents water-bottom corrosion in oil storage tanks
- Alkanolamine sweeteners
- Pulp and paper process equipment
- Mines, mining and earth moving equipment
- Inhibitor for lay-up application of cooling towers



Abu Dhabi Reem Island has more than 100 towers consisting of 1.4 million square meters of office space and 850,000 square meters of retail and community facilities. Four district cooling plants with a capacity greater than 1,000 m<sup>3</sup> are proposed for the site, two are completed, but the towers they are to support are not. The customer required a mothballing solution for the facility for up to two years.



Cortec's VpCI®-649 BD was proposed providing an environmentally friendly, cost effective solution. Dosage was 0.4% to achieve the 24 month protection required. Tabreed – Cooltech Energy adopted Cortec's VpCI® technology preservation (Wet Lay-up) as it provided the long-term corrosion protection solution they required. Giving the customer and environmentally safe option that significantly minimized costs.

