Cooling Water Treatment Products

DEW
Chemical Division

COOLPLAN® Complete Solutions for Cooling System

WWW.DEWINDIA.COM
Corrosion, deposition, and microbiological growth in cooling water systems can lead to flow restrictions, reduced operating efficiency, high maintenance costs, and unscheduled outages.

**Scaling and Fouling** are caused by calcium carbonate in addition to calcium phosphate, calcium sulfate, silica with mud and silt.

**Corrosion** has many forms and many causes. In cooling systems, water velocity, dissolved solids, and continual aeration provide optimum conditions for continued corrosion. The type of attack can usually be related to the cause. Certain microbiological organisms like SRB and IRB in a cooling water system produce another type of attack.

**Microbiological Growth/biofouling** cooling systems are dynamic environments and as a result there is frequently something different or unexpected happening that influences the proliferation of microorganisms.

### Application Industries

- **POWER**
- **STEEL**
- **CHEMICALS & FERTILIZERS**
- **GLASS**
- **DG SETS**
- **PETROCHEMICAL**
Corrosion and Scale Control Programs - Tracer® Based
Stabilized Phosphate Programs
Neutral pH-Phosphate and halogen-resistant technology
Alkaline Zinc/Organic Programs
Molybdate based all organic Programs
Closed system treatment
Once through system treatment

Focus of the technology has been the utilization of more thermally stable inhibitors, widening application of crystal modifiers with solubilizing inhibitors, and use of chemicals with new molecular structures.

Microbiological Control Programs
Oxidizing
Non-oxidizing
Biodispersants

The introduction of glutaraldehyde and increased use of isothiazolinone and dibromo-nitriol-propionamide (DBNPA), along with triazine an outstanding algicide lead the newcomers in this category for low-toxicity, high-pH cooling water. While quaternary compounds have provided good macro-organism protection.

To help maintain the reliability and performance of your cooling system, DEW offers a full line of treatment programs that work at various pH levels and with different water chemistries. Regardless of your system type, DEW has a solution.
### Percent of Make-up Water Saved

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### Monitoring Equipments

- **Deposit Monitor**: Diagnosing scaling and fouling the intelligent way.
- **Biofouling Monitor**: The reliable way of keeping your cooling water system going.
- **Corrosion Meter**: The reliable way of measuring instantaneous corrosion rate in water.

### Manufacturing Location:
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