### Nitrite Based Corrosion Inhibitor For Water And Glycol Brine

**Description**

Nitrite Corrosion Inhibitor for Chiller Water and Brine system is a nitrite based multi metal corrosion inhibitor. It is combined with other organic compounds with special copper and copper alloys corrosion inhibitor and antiscalant chemical that helps in prevention of scale deposition or also removes adhering loose scale deposits from the heat transfer fluid system.

The disadvantages of not treating the closed loop water can be equally troubling for the system operator:

1. Leakage in PHEs & AHUs due to pin hole corrosion
2. Plugging & clogging of tubes and reduced flow rate
3. Reduced heat transferability
4. Need of regular maintenance jobs that incurs downtime
5. Fouling of brine and chiller water

Nitrite Chemical treatment program helps to remove dissolved oxygen that cause oxidation of metal to metal oxide i.e., Iron + Oxygen = Iron Oxide (Rust)

The chemical also contains a specific corrosion inhibitor to protect copper and its alloys from corrosion and removes / prevents any sort of scale formation in the system.

It outperforms Nalco 8338, Nalco 3275, Indion 5545, Indion 5546, Indion 5547, Nalcool 2000 Diesel Engine Corrosion Inhibitor etc.

**Application**

Engine Jacket Cooling or heating system, Brine system, Chiller Water Circuit, Glycol System, Hot Water system, Engine Coolant, Process chilling & heating system etc.
PRODUCT INFORMATION SHEET
Internet Promotion Version - Not to be treated as original

<table>
<thead>
<tr>
<th>Specification</th>
<th>Chemical Type</th>
<th>Organic Chemical Compound</th>
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</thead>
<tbody>
<tr>
<td>Form</td>
<td>Liquid</td>
<td></td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.1 ± 0.05</td>
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<tr>
<td>pH</td>
<td>12 ± 1</td>
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<tr>
<td>Solubility</td>
<td>Completely Soluble in Water</td>
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**Dosage**
Nitrite Corrosion Inhibitor for Chiller Water and Brine system is normally fed continuously to the recirulating closed system by injection dosing pump or dosed to the expansion tank. The amount of Nitrite based Corrosion Inhibitor for Chiller Water and Brine required to inhibit corrosion depends on the type of system and plant operating conditions. The specific dosage rates will be specified by the CSL's technical representative.

**Major Benefits**
- Negligible loss of metal or corrosion
- Excellent heat transferability and flow rate
- No need of descaling in closed circuit equipments
- Long and extended life of Water without fouling