Multi-functional Cooling Water Treatment for FILTERSORB SP3 Water Systems

Product Name
INSTANT I-SOFT® NB (Based on PAA/DBNPA)

Application
Cooling water, Air Conditioners and Heat exchangers

Brief description
Multi-functional scale and corrosion inhibitor with dispersant and non-oxidizing biocide. Perfect for water containing very high sulfates and silica. It contains biodegradable tolyltriazole as corrosion inhibitor.

Availability
INSTANT POWDER is available in 5 kg bags. One 5 kg bag is equivalent to 100 kg of competitive or conventional products.

Description
INSTANT I-SOFT® NB is a very high performance product formulated without any Phosphates and Phosphonates (click here for literature on Eutrophication).
INSTANT I-SOFT® NB prevents any scale and corrosion problems. It is formulated with one of the best fast acting non-oxidizing biocide available in the water treatment industry. This biocide has outstanding environmental properties because it is non-persistent and degradable to naturally occurring products.
INSTANT I-SOFT® NB uses most advanced polymer anti-scalant and dispersant and tolyltriazole as corrosion inhibitor. All cooling towers and heat exchangers need very little dosage of INSTANT I-SOFT® NB and the maximum protection of the systems.

Product application

Test rate/Dosing

Dosage in Cooling waters Open Loop

<table>
<thead>
<tr>
<th>Dosing in feed water (ml/m³)</th>
<th>Test in circulation water (ml)</th>
<th>pH</th>
<th>SiO₂ (mg)</th>
<th>Tolyltriazole (mg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>50</td>
<td>20 - 40</td>
<td>8 - 8.5</td>
<td>300</td>
<td>5</td>
</tr>
<tr>
<td>25</td>
<td>10 - 25</td>
<td>8 - 8.5</td>
<td>200</td>
<td>5</td>
</tr>
</tbody>
</table>

Dosage in Cooling water, Heat exchangers Closed Loop

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- Test kits for pH, SiO₂ and Tolyltriazole are available from WATCH® distributors
Feeding

**INSTANT I-SOFT® NB** dosing powder should be dissolved and dosed with WATCH® Watch-DOS dosing systems.

**Important:** When **INSTANT I-SOFT® NB** is dosed into cooling water or heat exchangers, operators should attempt to find a high flow area in the sump of the cooling tower of inside the feed water line.

**Very Important for operators:**

Although **INSTANT I-SOFT® NB** is formulated with tolyltriazole to protect copper corrosion, they react with **cheap oxidizing halogens** such as chlorine and bromine. Their hypohalous acids or alkaline solutions (i.e solutions of hypochlorite or hypobromite ions). The presence of such halogens leads to very aggressive copper corrosion rates. Having copper salt in water is a big environmental concern. Soluble copper is very toxic and needs to be properly controlled in any discharge stream. Every cooling water system should immediately stop dosing chlorine or bromine.

WATCH® has a fundamental concern for all who distribute and its products and the environment in which we live.

Packaging & Storage

**INSTANT I-SOFT® NB** is packed 4 x 5 kg Bags in a Box. Other packaging could be available on request.

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**Proportional Dosing Unit for **INSTANT **Products**

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**Watch-DOS COMPACT Version**

- **Water Meter**
- **Dosing pump**
- **Models:**
  - **IDC 5**: 5 m³/h
  - **IDC 10**: 11 m³/h
  - **IDC 20**: 16 m³/h
  - **IDC 30**: 27 m³/h

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**Watch-DOS SPLIT Version**

- **Water Meter**
- **Dosing pump**
- **Models:**
  - **IDS 5**: 5 m³/h
  - **IDS 10**: 11 m³/h
  - **IDS 20**: 16 m³/h
  - **IDS 30**: 27 m³/h