



## **ADICO SP**

### **Silicate phosphate based corrosion inhibitor**

#### **Description:**

**ADICO SP** is a liquid based on sodium silicate and food grade phosphate for inhibiting corrosion and hardness scale formation in domestic hot and cold water systems including the treatment of sodium "base" exchange softened or desalinated water.

Also it is suitable for other cooling water systems operating under low to medium hardness water conditions.

**ADICO SP**'s formulation prevents corrosion against: iron, copper, aluminum and its alloys.

It is not toxic since it does not contain elements such as nitrites and chromates therefore it is suitable for potable water.

#### **Features and benefits:**

Deposits on metal surfaces and electrolytic corrosion are prevented, cooling system component life is prolonged, maintenance and repair needs are reduced.

Effective against red water appearance in closed and once through systems.

Constant pH levels are maintained even when overdosed.

Dose levels are independent from cooling water dissolved oxygen levels.

Suitable for potable water.

#### **Physical and chemical properties:**

Appearance:	Liquid
Solubility in water:	Complete
Specific gravity:	1.36 ± 0,05 g/cm <sup>3</sup>
pH (neat):	> 12
Silicate content as SiO <sub>2</sub> :	> 21%
Flash point:	Non-flammable

#### **Dosage:**

The initial dosage depends on the type of system, the quality of the water, if it is for potable water, etc.

Initial dosage: 70 ml/m<sup>3</sup> of water.

Maintain this dosage for 30-60 days in order to create a thin protective film to inhibit corrosion.

Afterwards reduce the dosage to 25 ml/ m<sup>3</sup> of water.

Thereafter the dosage rate of **ADICO SP** is based on the silicates concentration in the system.

#### **Caution:**

Harmful if swallowed. May cause irritation to eyes and skin. Avoid contact. Wear suitable protective gloves and goggles for eye protection (refer to M.S.D.S. for further instructions).

#### **Packaging:**

Non-returnable 25 liter plastic pails and 250 kg drums.

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