

# CS-1000

## Supplement Aluminum Inhibitor



### Description

Glengarry **CS-1000** supplement is a corrosion inhibitor specifically formulated for protection of aluminium. It is based on sodium silicate chemistry and is to be used in conjunction with a comprehensive closed system treatment. It is compatible with both nitrite and molybdenum inhibitors.

Soluble silicates are effective and environmentally responsible chemicals, which have been used for more than 70 years to protect metals from the corrosive effects of water. They are classified as corrosion inhibitors because they can deposit protective films onto various metal surfaces.

The addition of **CS-1000** will increase the pH of the system water. The pH should be monitored and adjusted to the pH range as specified by the boiler manufacturer.

Glengarry **CS-1000** is a clear to hazy white coloured liquid, with the following characteristics:

-  pH: 11.5 - 12.5
-  S.G.: 1.10 - 1.15

### Application

Closed recirculating water systems are susceptible to corrosion due to many factors such as dissolved oxygen, pH, temperature, dissolved solids, suspended solids and microbial activity. These corrosion by-products can also contribute to premature deterioration of the circulating pump seals. **CS-1000** is recommended for closed recirculating systems such as hot water heating systems, heat pump systems and chilled water systems.

### Directions



When make-up water is added to the closed loop, the concentration of **CS-1000** will be diluted, thus allowing the protective film to be broken. The protection reserves must be re-established by adding sufficient **CS-1000 L** to bring the concentration in the system to the recommended concentration. **CS-1000** can be pumped into the system directly or added through a pot feeder.

Glengarry **CS-1000** can be pumped into the system directly or added through a pot feeder. The normal dosage is 1.0 to 1.5 litres per 1,000 litres of water to maintain a residual of 100 to 150 mg/L SiO<sub>2</sub>. This residual can be easily measured with the use of a HACH silica test kit. Since the dosage is dependent on the conditions of the system, contact your Glengarry Technical Representative.

### Safety Precautions

Please refer to the Safety Data Sheet which contains detailed information about this product and the recommended handling procedures.

### Availability

-  20 Litre pail
-  200 Litre drum

### Terms of Sale

To the best of our knowledge the information contained herein is accurate and true. Any recommendations or suggestions are made without warranty or liability on our part since the conditions of use are beyond our control.