Sentinel X100

Inhibitor for Commercial Heating and Closed Cooling Systems

Features & Benefits

- Effectively controls scale and corrosion
- Complex pH stabilisation pack
- Helps prevent the formation of hydrogen gas
- Suitable for all metals including aluminium
- Easy to handle
- Non-toxic and biodegradable
- Concentration is easily checked with a Sentinel Test Kit or a conductivity meter
- Manufactured under a quality system conforming to ISO9001

Sentinel Test Kit

Simply take a sample of water from the system, add the test tablets and shake. After 5 minutes compare the colour with the panel. Each kit contains sufficient tablets for 10 tests.

Description

Sentinel X100 has been formulated as a multipurpose treatment to inhibit corrosion, scale, boiler noise and hydrogen gassing in small and large indirect heating and closed-circuit cooling systems including those containing aluminium components. Its unique formulation controls and stabilises system water to neutral or near neutral pH.

Sentinel X100 is suitable for use in all types of clean supply water, including hard, soft, base exchange softened and demineralised. The formulation is non-hazardous and completely non-toxic.

Application

Sentinel X100 should be dosed at 1% of system volume, i.e. 1 litre per 100 litres of system water. For optimum results, systems should be cleaned and thoroughly flushed in accordance with standard cleaning and commissioning protocols such as BSRIA Guide "Pre-Commission Cleaning of Pipework Systems" or similar Water Treatment Guidelines from industry organisations such as the Industrial & Commercial Energy Association (ICOM).

Ideally, as part of such protocols, new systems and those up to 6 months old should be cleaned with Sentinel X300 and older systems with Sentinel X400 or Senticlene 8500. If the system is already noisy due to limescale deposits in the heat exchanger, Sentinel X200 should be added together with Sentinel X100. In systems which operate below 65ºC or spend extended periods out of commission, the addition of Senticide 7500 should be considered for complete protection.

Feed the product as follows

Open heating systems: Feed the product into an area of adequate flow or use a by-pass feeder.

Closed heating & cooling systems: If the system is empty, add the product to any convenient point before filling. If the system is full, use a pressure dosing vessel to inject the product into the system. Systems which are subject to the continual addition of make-up water need to be periodically replenished with Sentinel X100 to ensure that the recommended dose level is maintained.

Physical Properties

- Appearance: Clear colourless to pale green or pale yellow liquid
- Odour: Mild
- Specific gravity: 1.10 (20°C)
- pH (neat): 6.5 (approx)
- Freezing point: -2.5°C

Packaging

- 10 litre cubitainer
- 20 litre cubitainer

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Safety Precautions

The information provided below enables compliance with the Control of Substances Hazardous to Health Regulations. A full Safety Data Sheet is available upon request.

Inhibitor for Commercial Heating and Closed Cooling Systems	An aqueous solution of inorganic and organic corrosion and scale inhibitors.
Health Hazards	Not for use in potable water systems. Not considered hazardous to health.
Handling	Avoid contact with skin and eyes. Keep out of reach of children and animals. Wash out empty container thoroughly with water before disposal.
Storage	Keep container tightly closed. Store in cool, well ventilated area.
Spillage	Flush spillage with plenty of water and wash to waste.
Fire/Explosion Risks	Non-flammable
First Aid	**Skin Exposure :** Wash immediately with plenty of water. If irritation develops, seek medical attention. **Eye Exposure :** Flush immediately with plenty of running water. Keep eyelids apart. Seek medical advice. **Ingestion :** Rinse mouth with water. Do NOT induce vomiting! Seek medical advice.

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