

## Sentinel X400 System Restorer

### System Restorer for Hydronic Heating Systems

#### Features and Benefits

- Effectively removes radiator sludge
- Helps restore circulation
- Restores system effectiveness
- Suitable for all metals including aluminum
- Easy to handle
- Neutral pH - no neutralisation procedure is needed
- Manufactured under a quality system conforming to ISO9001

#### Application

Sentinel X400 has been formulated for the effective cleaning of existing hydronic heating systems where there is a significant amount of corrosion debris.

Sentinel X400 disperses old corrosion products. It is ideal for use where a new boiler or pump is to be fitted to an existing system, or where radiators have cold areas or are partly blocked due to sludge build up.

Sentinel X400 is a non-acid formulation that can be used in all types of indirect heating systems including those containing aluminum components.

#### Dosing & Feeding

1 quart of Sentinel X400 is sufficient to treat a typical residential system of 25 gallon. Larger systems should be dosed at 1% of system water. To clean an existing system, Sentinel X400 should be circulated, preferably at normal operating temperature, with all valves open and the pump turned to maximum flow for a minimum period of 2 hours or until satisfactory performance is restored.

Where systems are badly fouled, a longer period of



circulation (e.g., up to 4 weeks) is recommended, but the product will not clear a completely blocked pipe. There is no limit to the time for which the product can safely be left in the system.

Rapid cleaning may be carried out if Sentinel X400 is used in conjunction with a power-flushing device. Flush the system before refilling and treating with Sentinel X100 inhibitor or Sentinel X500 inhibited antifreeze.

**Open Systems:** Dose via F&E cistern, via a by-pass feeder or use a dosing vessel.

**Sealed Systems:** If the system is empty, add to any convenient point before filling. If full, use a dosing vessel to inject via the filling loop or other access point.

#### Physical Properties

- **Appearance:** Clear yellow to amber liquid
- **Odor:** Mild
- **Specific gravity:** 1.04 (68°F)
- **pH (concentrate):** 7 (approx.)
- **Freezing Point:** 17.6°F



## Packaging

- 1 Quart bottle
- 1 Gallon drum
- 5 Gallon drum

## Safety Precautions

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

<b>Description</b>	<b>System Restorer for Hydronic Heating Systems</b> An aqueous solution of synthetic organic polymers
<b>Health Hazards</b>	Not for use in potable water systems. Not considered hazardous to health.
<b>Handling</b>	Avoid contact with skin and eyes. Keep out of reach of children and animals. Wash out empty container thoroughly with water before disposal.
<b>Storage</b>	Keep container tightly closed. Store in cool, well ventilated area.
<b>Spillage</b>	Flush spillage with plenty of water and wash to waste.
<b>Fire/Explosion Risks</b>	Non-flammable.
<b>First Aid</b>	<b>Skin Exposure:</b> Wash immediately with plenty of water. If irritation develops, seek medical attention.  <b>Eye Exposure:</b> Flush immediately with plenty of running water. Keep eyelids apart. Seek medical attention.  <b>Ingestion:</b> Give plenty of water to drink. Do NOT induce vomiting! Seek medical attention.

---

### Sentinel Performance Solutions Ltd

7650 Daresbury Park, Warrington, Cheshire, WA4 4BS, UK

Tel: +44 (0) 1928 704 330 [www.sentinelprotects.com](http://www.sentinelprotects.com)



@SentinelHQ



SentinelICPM

