

Product Facts



Sentinel X400 Concentrate

System Restorer for Hydronic Heating Systems

Features & Benefits

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

Application

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

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

Dosing & Feeding

One cartridge of Sentinel X400 Concentrate is sufficient to treat a typical residential system of 25 gallons. For larger systems use more cartridges. To clean an existing system, Sentinel X400 Concentrate 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 Concentrate 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.

The product may be added directly to the heating system either via an air bleed valve, or via the fill loop using the appropriate adaptor and a suitable caulk gun.

Physical Properties

- **Appearance:** Amber – brown liquid
- **Odor:** Mild
- **Specific gravity:** 1.12 (68°F)
- **pH (1% solution):** 6.8 (approx)
- **Freezing point:** 39.2°F

Packaging

Cylindrical application cartridge. Approx dimensions:

- Length:** 21.5 cm
- Diameter:** 5.0 cm
- Volume:** 275 ml/9.3fl oz



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.

Description	System Restorer for Hydronic Heating Systems An aqueous solution of synthetic organic polymers.
Health Hazards	Not for use in potable water systems. Not considered hazardous to health.
Handling	Avoid contact with skin and eyes. Avoid breathing vapours. Keep out of reach of children and animals. Wash out empty container thoroughly with water before disposal.
Storage	Keep container tightly closed. Store in a cool, ventilated area. Protect from freezing.
Spillage	Flush spillage with plenty of water and wash to waste. Not considered harmful to the environment.
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 attention. Ingestion: Rinse mouth with water Do NOT induce vomiting. Seek medical attention.

