

Sentinel X300 System Cleaner

System Cleaner for New Hydronic Heating Systems

Features and Benefits

- Removes oils, greases, flux residues etc.
- Prepares and protects metal surfaces
- Helps prevent pin-holing
- Suitable for all metals including aluminum
- Non-acid, non-caustic
- No neutralisation procedure is needed
- Easy to handle
- Manufactured under a quality system conforming to ISO9001

Application

Sentinel X300 has been formulated as a cleansing aid for new hydronic heating systems and those up to 6 months old. It will effectively remove excess flux residues, greases, oily contaminants, sludge and installation debris.

Sentinel X300 passivates the metal surfaces in the system and helps prevent copper deposition, which frequently causes severe pinhole corrosion. Sentinel X300 is a neutral formulation that can be used in all types of indirect heating systems including those containing aluminum components.

Dosing & Feeding

1 quart of Sentinel X300 is sufficient to treat a typical residential system of 25 gallon. Larger systems should be dosed at 1% of system water. If the system is new, this should be at the time it is first filled. For best results, the water should be circulated at normal operating temperature for between 1-2 hours but no longer than 24 hours.

If it is not possible to heat the water, the circulation time must compensated for by



extending the time to at least 24 hours but no longer than one week.

Drain and 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, colourless to pale yellow liquid
- **Specific gravity (77°F):** 1.1 (approx)
- **pH (77°F):** 6.7 (approx.)
- **Freezing Point:** 6.8°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.

Description	System Cleaner for Hydronic Heating Systems An aqueous solution of phosphate, organic heterocyclic compounds, polymers and organic bases.
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. Seek medical attention. Ingestion: Give plenty of water to drink. Do NOT induce vomiting! Seek medical attention.

